SOCH Input Files, Steady State

Melton Hill_Calibrate_May2003-61 sections.out

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SOCH - QA REV1.0 - 03/24/2009

1-----------------------------------------------------
May 2003 Flood - Melton Hill - Local Inflow Hydrographs
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 THIS RUN STARTS ON  4-29-2003 AT TIME  0.000

      IT ENDS ON  5-18-2003 AT TIME  0.000

 ALL THE HYDROGRAPHS
       START ON  4-29-2003 AT TIME  0.000

  THE COMPUTATION TIME STEP IS   5. SECONDS
      THE PRINT INTERVAL IS  60. MINUTES
      THE COMPLETE RUN LASTS 19.0 DAY(S)


+    THE NON-BOUNDARY LINE POINTS ARE NOT PRINTED


 SOCH INPUT DATA ARE READ FROM FILE F:\34\34107\3410702\SOCH Calibrations\Melton Hill SOCH
Calibration\Calibration-05-06-09\May 2003\Melton Hill_Calibrate_May2003-61 sections.dat

 SOCH OUTPUT LISTING IS WRITTEN TO FILE F:\34\34107\3410702\SOCH Calibrations\Melton Hill SOCH
Calibration\Calibration-05-06-09\May 2003\Melton Hill_Calibrate_May2003-61 sections.out

 ALL LOCAL INFLOWS ARE READ FROM FILE F:\34\34107\3410702\SOCH Calibrations\Melton Hill SOCH
Calibration\Calibration-05-06-09\May 2003\May2003LocalInflowHydrograph_Melton Hill-61sections.loc

 THE MOST D.S. HYDROGRAPH IS SAVED TO FILE F:\34\34107\3410702\SOCH Calibrations\Melton Hill SOCH
Calibration\Calibration-05-06-09\May 2003\Melton Hill_Calibrate_May2003-61 sections.sto

 THE GEOMETRY IS READ FROM FILE F:\34\34107\3410702\SOCH Calibrations\Melton Hill SOCH
Calibration\Calibration-05-06-09\May 2003\Melton Hill Rev4.geo


 NUMBER OF CHANNEL(S):  1   NUMBER OF JUNCTION(S):  0
+_____________________   _____________________

  31 CROSS SECTIONS IN GEOMETRY FILE, EACH WITH 21 ENTRIES
    THE COMPUTED ELEVATION FIRST ESTIMATED ABOVE ENTRY  0
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CHANNEL 1 HAS 61 NODES, IT IS CHARACTERIZED BY:
+_____

BOUNDARY CONDITIONS PRESCRIBED (AT THE BEGINNING OF RUN):
UPSTREAM: KUBC= 1 (0:ELEVATION; 1:DISCHARGE; 2:RATING TABLE; 3:JUNCTION)
DOWNSTRM: KDBC= 0 (IF A TABLE IS USED, IT IS TABLE NO. 0)
KRULE= 0 (0:NO FIXED RULE OPERATION; 1:FIXED RULE REGULAR; 2:FIXED RULE PMF)

IF A FAILURE OCCURS ,IT IS OF TYPE KTOTFL= 0 (0:FOR PARTIAL FAILURE THEN USE TABLE 4, IF NOT PRESENT, THE RUN WILL STOP;
1:FOR TOTAL FAILURE, DOWNSTREAM CHANNEL NEEDED)

KODEN= 0 (0:MANNING N CONSTANT; 1:VARY WITH ELEVATION; 2:VARY WITH DISCHARGE)

NUTP= 0 (NUMBER OF POINTS IN THE UPSTREAM RATING TABLE)
NDTP= 0 (NUMBER OF POINTS IN THE DOWNSTRM RATING TABLE)
NDTP2= 0 (NO. OF PTS IN THE 2 ND DOWNSTRM RATING TABLE)
NDTP3= 0 (NO. OF PTS IN THE 3 RD DOWNSTRM RATING TABLE)
NDTP4= 0 (NO. OF PTS IN THE 4 TH DOWNSTRM RATING TABLE)

KUFAX= 1 KDFAX= 0 (HOURLY FAX SHEETS DISCHARGES USED RESPECTIVELY US & DS IF KUFAX=1 & KDFAX=1)
KSTRT= 0 (0:STARTING LINES READ WITH DATA; 1:READ FROM FILE NA)
KEND= 0 (0:ENDING LINE NOT SAVED; 1:SAVED IN FILE NA)

THE MODEL HAS A TOTAL NUMBER OF 61 COMPUTATION NODES
+_____

CHANNEL 1 UPSTREAM MILE: 79.80
REACH LENGTH US TO DS IN FEET

REACH	DX
1	5544.00
2	5544.00
3	5544.00
4	5544.00
5	5544.00
6	5544.00
7	5544.00
8	5544.00
9	5544.00
10	5544.00
11	5544.00

12	5544.00
13	5544.00
14	5544.00
15	5544.00
16	5544.00
17	5544.00
18	5544.00
19	5544.00
20	5544.00
21	4752.00
22	4752.00
23	5280.00
24	5280.00
25	5016.00
26	5016.00
27	5544.00
28	5544.00
29	7128.00
30	7128.00
31	5544.00
32	5544.00
33	5544.00
34	5544.00
35	1056.00
36	1056.00
37	4488.00
38	4488.00
39	7656.00
40	7656.00
41	5544.00
42	5544.00
43	2640.00
44	2640.00
45	3696.00
46	3696.00
47	2640.00
48	2640.00
49	5544.00
50	5544.00
51	3696.00
52	3696.00
53	2904.00
54	2904.00
55	4488.00
56	4488.00
57	5544.00
58	5544.00
59	5544.00
60	5544.00

1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 1 & 2
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 2 & 3
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 3 & 4
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 4 & 5
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 5 & 6
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 6 & 7
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 7 & 8
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 8 & 9
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 9 & 10
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 10 & 11
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 11 & 12
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 12 & 13
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 13 & 14
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 14 & 15
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 15 & 16
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 16 & 17
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 17 & 18
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 18 & 19
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 19 & 20
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 20 & 21
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 21 & 22
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 22 & 23
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 23 & 24
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 24 & 25
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 25 & 26
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 26 & 27
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 27 & 28
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 28 & 29
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 29 & 30
1 INTERPOLATED SECTIONS INSERTED BETWEEN GEOMETRY SECTIONS 30 & 31

A TOTAL OF 30 INTERPOLATED SECTIONS ARE ADDED AS SHOWN ABOVE AND ARE PART OF 61 NODES

SELECTED HYDROGRAPH FILES ARE SAVED TO FILE F:\34\34107\3410702\SOCH Calibrations\Melton Hill SOCH Calibration\Calibration-05-06-09\May 2003\Melton Hill_Calibrate_May2003-61 sections.prt

ALL THE HYDROGRAPHS START ON 4-29-2003 AT TIME 0.000 SKIP 0.0 HOURS
+_____

UPSTREAM BOUNDARY DISCHARGES OF CHANNEL 1 GIVEN AS HOURLY AVERAGES FOR 19 DAYS:

DAY HOUR1 HOUR2 HOUR3 HOUR4 HOUR5 HOUR6 HOUR7 HOUR8 HOUR9 HOUR10 HOUR11 HOUR12

1	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.
	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.
2	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.
	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.
3	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.
	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.
4	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.
	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.	6749.
5	6749.	6744.	6753.	6759.	6764.	6754.	6748.	6756.	6745.	6750.	6746.	6748.
	6750.	6749.	6748.	6742.	6751.	6741.	6752.	6765.	6753.	6749.	6756.	6743.
6	6750.	6755.	6745.	6747.	6736.	6750.	6763.	6769.	6761.	6752.	6766.	6758.
	6767.	6763.	6767.	6766.	6763.	6713.	6743.	6763.	6764.	6766.	6764.	6766.
7	6768.	6758.	6762.	6761.	6764.	6728.	6705.	6689.	6688.	6683.	6689.	6691.
	6694.	6694.	6691.	6691.	6690.	6687.	6690.	6692.	6692.	6692.	6690.	6692.
8	6690.	6688.	6695.	6690.	6691.	6692.	6693.	6695.	3011.	2000.	2000.	2000.
	2000.	2000.	2000.	2000.	2000.	2000.	2012.	4297.	2236.	2000.	2000.	2000.
9	2000.	2000.	2000.	2000.	2000.	2000.	2000.	2000.	4266.	2000.	2000.	2000.
	2000.	2000.	2000.	2000.	2000.	2000.	2000.	2000.	4792.	2000.	2000.	2000.
10	2000.	2000.	2000.	2000.	2000.	2000.	2000.	2000.	2000.	2000.	2000.	2012.
	5162.	5441.	5436.	5433.	5411.	2237.	2000.	2000.	2000.	2000.	2000.	2000.
11	2000.	2000.	2000.	2014.	4516.	2000.	2000.	2000.	2000.	2000.	2000.	2000.
	2000.	2011.	2000.	2004.	5363.	5432.	5433.	5421.	2202.	2000.	2009.	2000.
12	2000.	2000.	2000.	2000.	2000.	2000.	2014.	4569.	2000.	2000.	2000.	2000.
	2000.	2012.	5091.	5430.	5420.	5427.	2243.	2000.	2000.	2000.	2000.	2000.
13	2000.	2000.	2000.	2000.	2012.	4531.	2000.	2000.	2000.	2000.	2000.	2000.
	2000.	2000.	2012.	5180.	5431.	5433.	5433.	2229.	2000.	2000.	2000.	2000.
14	2000.	2000.	2000.	2000.	2013.	5162.	5426.	5424.	5406.	5424.	5407.	5412.
	8219.	11652.	12063.	12020.	11975.	11925.	11871.	11869.	11870.	11849.	11811.	11785.
15	11752.	11717.	11682.	11647.	11606.	11568.	11524.	11489.	11363.	11342.	11309.	11271.
	11231.	11199.	11354.	11368.	11319.	11257.	11224.	11199.	11171.	11165.	11156.	11121.
16	11079.	11058.	11024.	10983.	10957.	10912.	10876.	10852.	10812.	10793.	10743.	10723.
	10709.	10658.	10632.	10686.	10645.	10580.	10472.	10457.	10442.	10419.	10393.	10368.
17	10340.	10322.	10289.	10257.	10229.	10199.	10144.	10109.	10095.	10092.	10091.	10069.
	10044.	10047.	10117.	10033.	10006.	8601.	5325.	5330.	5280.	5270.	5321.	6123.

18	6723.	6719.	6716.	6738.	6725.	6716.	6739.	6733.	6709.	6744.	5661.	5502.
	6678.	6722.	6741.	6725.	6757.	6730.	6727.	6748.	6735.	6718.	6735.	6742.
19	6710.	6723.	6709.	6737.	6729.	6730.	6734.	6716.	6730.	6737.	6730.	6726.
	6727.	6731.	6768.	6746.	6745.	6745.	6745.	6745.	6745.	6745.	6745.	6745.

PRESCRIBED DOWNSTREAM BOUNDARY, CHANNEL 1

ELEVATION	HOURS	DAY	TIME
793.72	0.00	29	0.00
793.72	96.00	2	24.00
793.72	97.00	3	1.00
793.76	98.00	3	2.00
793.86	99.00	3	3.00
793.67	100.00	3	4.00
793.82	101.00	3	5.00
793.76	102.00	3	6.00
793.85	103.00	3	7.00
793.71	104.00	3	8.00
793.68	105.00	3	9.00
793.62	106.00	3	10.00
793.60	107.00	3	11.00
793.54	108.00	3	12.00
793.50	109.00	3	13.00
793.44	110.00	3	14.00
793.40	111.00	3	15.00
793.34	112.00	3	16.00
793.30	113.00	3	17.00
793.26	114.00	3	18.00
793.21	115.00	3	19.00
793.16	116.00	3	20.00
793.13	117.00	3	21.00
793.30	118.00	3	22.00
793.31	119.00	3	23.00
793.38	120.00	3	24.00
793.49	121.00	4	1.00
793.60	122.00	4	2.00
793.64	123.00	4	3.00
793.68	124.00	4	4.00
793.75	125.00	4	5.00
793.85	126.00	4	6.00
793.93	127.00	4	7.00
794.01	128.00	4	8.00
794.10	129.00	4	9.00
794.16	130.00	4	10.00
794.25	131.00	4	11.00
794.09	132.00	4	12.00
794.20	133.00	4	13.00
794.09	134.00	4	14.00
794.18	135.00	4	15.00

794.05	136.00	4	16.00
794.01	137.00	4	17.00
793.96	138.00	4	18.00
793.90	139.00	4	19.00
793.85	140.00	4	20.00
793.78	141.00	4	21.00
793.96	142.00	4	22.00
793.86	143.00	4	23.00
793.99	144.00	4	24.00
793.93	145.00	5	1.00
794.10	146.00	5	2.00
794.16	147.00	5	3.00
794.23	148.00	5	4.00
794.29	149.00	5	5.00
794.13	150.00	5	6.00
794.14	151.00	5	7.00
794.17	152.00	5	8.00
794.06	153.00	5	9.00
794.00	154.00	5	10.00
793.92	155.00	5	11.00
793.93	156.00	5	12.00
793.85	157.00	5	13.00
793.80	158.00	5	14.00
793.68	159.00	5	15.00
793.67	160.00	5	16.00
793.66	161.00	5	17.00
793.60	162.00	5	18.00
793.69	163.00	5	19.00
793.84	164.00	5	20.00
793.83	165.00	5	21.00
793.83	166.00	5	22.00
793.83	167.00	5	23.00
793.81	168.00	5	24.00
794.08	169.00	6	1.00
794.15	170.00	6	2.00
794.27	171.00	6	3.00
794.31	172.00	6	4.00
794.36	173.00	6	5.00
794.30	174.00	6	6.00
794.36	175.00	6	7.00
794.31	176.00	6	8.00
794.34	177.00	6	9.00
794.41	178.00	6	10.00
794.46	179.00	6	11.00
794.53	180.00	6	12.00
794.62	181.00	6	13.00
794.61	182.00	6	14.00
794.60	183.00	6	15.00
794.56	184.00	6	16.00
794.52	185.00	6	17.00
794.50	186.00	6	18.00

794.47	187.00	6	19.00
794.42	188.00	6	20.00
794.36	189.00	6	21.00
794.30	190.00	6	22.00
794.23	191.00	6	23.00
794.16	192.00	6	24.00
794.07	193.00	7	1.00
793.97	194.00	7	2.00
793.87	195.00	7	3.00
793.84	196.00	7	4.00
793.80	197.00	7	5.00
793.72	198.00	7	6.00
793.63	199.00	7	7.00
793.55	200.00	7	8.00
793.47	201.00	7	9.00
793.40	202.00	7	10.00
793.30	203.00	7	11.00
793.21	204.00	7	12.00
793.15	205.00	7	13.00
793.10	206.00	7	14.00
793.01	207.00	7	15.00
792.92	208.00	7	16.00
792.85	209.00	7	17.00
792.76	210.00	7	18.00
792.68	211.00	7	19.00
792.60	212.00	7	20.00
792.73	213.00	7	21.00
792.79	214.00	7	22.00
792.74	215.00	7	23.00
792.86	216.00	7	24.00
792.92	217.00	8	1.00
793.05	218.00	8	2.00
793.15	219.00	8	3.00
793.18	220.00	8	4.00
793.24	221.00	8	5.00
793.35	222.00	8	6.00
793.41	223.00	8	7.00
793.46	224.00	8	8.00
793.50	225.00	8	9.00
793.54	226.00	8	10.00
793.62	227.00	8	11.00
793.69	228.00	8	12.00
793.74	229.00	8	13.00
793.79	230.00	8	14.00
793.84	231.00	8	15.00
793.59	232.00	8	16.00
793.67	233.00	8	17.00
793.89	234.00	8	18.00
793.76	235.00	8	19.00
793.96	236.00	8	20.00
794.03	237.00	8	21.00

794.24	238.00	8	22.00
794.29	239.00	8	23.00
794.28	240.00	8	24.00
794.31	241.00	9	1.00
794.36	242.00	9	2.00
794.42	243.00	9	3.00
794.46	244.00	9	4.00
794.51	245.00	9	5.00
794.54	246.00	9	6.00
794.59	247.00	9	7.00
794.65	248.00	9	8.00
794.65	249.00	9	9.00
794.66	250.00	9	10.00
794.70	251.00	9	11.00
794.76	252.00	9	12.00
794.80	253.00	9	13.00
794.57	254.00	9	14.00
794.60	255.00	9	15.00
794.42	256.00	9	16.00
794.47	257.00	9	17.00
794.31	258.00	9	18.00
794.20	259.00	9	19.00
794.03	260.00	9	20.00
793.86	261.00	9	21.00
794.06	262.00	9	22.00
793.95	263.00	9	23.00
793.87	264.00	9	24.00
793.91	265.00	10	1.00
794.08	266.00	10	2.00
794.16	267.00	10	3.00
794.24	268.00	10	4.00
794.23	269.00	10	5.00
794.23	270.00	10	6.00
794.25	271.00	10	7.00
794.31	272.00	10	8.00
794.31	273.00	10	9.00
794.31	274.00	10	10.00
794.35	275.00	10	11.00
794.37	276.00	10	12.00
794.41	277.00	10	13.00
794.24	278.00	10	14.00
794.26	279.00	10	15.00
794.12	280.00	10	16.00
794.16	281.00	10	17.00
794.03	282.00	10	18.00
793.97	283.00	10	19.00
793.83	284.00	10	20.00
793.72	285.00	10	21.00
793.69	286.00	10	22.00
793.81	287.00	10	23.00
793.84	288.00	10	24.00

793.85	289.00	11	1.00
793.91	290.00	11	2.00
793.95	291.00	11	3.00
793.98	292.00	11	4.00
794.04	293.00	11	5.00
793.96	294.00	11	6.00
794.00	295.00	11	7.00
794.09	296.00	11	8.00
794.20	297.00	11	9.00
794.26	298.00	11	10.00
794.25	299.00	11	11.00
794.26	300.00	11	12.00
794.24	301.00	11	13.00
794.30	302.00	11	14.00
794.29	303.00	11	15.00
794.19	304.00	11	16.00
794.11	305.00	11	17.00
794.11	306.00	11	18.00
794.02	307.00	11	19.00
793.97	308.00	11	20.00
793.87	309.00	11	21.00
793.87	310.00	11	22.00
793.91	311.00	11	23.00
794.06	312.00	11	24.00
794.01	313.00	12	1.00
794.08	314.00	12	2.00
794.07	315.00	12	3.00
794.13	316.00	12	4.00
794.16	317.00	12	5.00
794.18	318.00	12	6.00
794.18	319.00	12	7.00
794.21	320.00	12	8.00
793.93	321.00	12	9.00
793.83	322.00	12	10.00
793.83	323.00	12	11.00
793.73	324.00	12	12.00
793.63	325.00	12	13.00
793.56	326.00	12	14.00
793.45	327.00	12	15.00
793.39	328.00	12	16.00
793.25	329.00	12	17.00
793.20	330.00	12	18.00
793.20	331.00	12	19.00
793.23	332.00	12	20.00
793.21	333.00	12	21.00
793.24	334.00	12	22.00
793.25	335.00	12	23.00
793.27	336.00	12	24.00
793.27	337.00	13	1.00
793.28	338.00	13	2.00
793.29	339.00	13	3.00

793.30	340.00	13	4.00
793.31	341.00	13	5.00
793.31	342.00	13	6.00
793.31	343.00	13	7.00
793.32	344.00	13	8.00
793.32	345.00	13	9.00
793.31	346.00	13	10.00
793.28	347.00	13	11.00
793.33	348.00	13	12.00
793.30	349.00	13	13.00
793.30	350.00	13	14.00
793.29	351.00	13	15.00
793.32	352.00	13	16.00
793.31	353.00	13	17.00
793.31	354.00	13	18.00
793.31	355.00	13	19.00
793.31	356.00	13	20.00
793.31	357.00	13	21.00
793.30	358.00	13	22.00
793.31	359.00	13	23.00
793.31	360.00	13	24.00
793.60	361.00	14	1.00
793.67	362.00	14	2.00
793.84	363.00	14	3.00
794.00	364.00	14	4.00
793.97	365.00	14	5.00
793.91	366.00	14	6.00
793.96	367.00	14	7.00
793.88	368.00	14	8.00
793.91	369.00	14	9.00
793.92	370.00	14	10.00
793.95	371.00	14	11.00
793.95	372.00	14	12.00
793.95	373.00	14	13.00
793.92	374.00	14	14.00
793.90	375.00	14	15.00
793.87	376.00	14	16.00
793.89	377.00	14	17.00
793.88	378.00	14	18.00
793.88	379.00	14	19.00
793.88	380.00	14	20.00
793.87	381.00	14	21.00
793.86	382.00	14	22.00
793.85	383.00	14	23.00
793.84	384.00	14	24.00
794.12	385.00	15	1.00
794.28	386.00	15	2.00
794.27	387.00	15	3.00
794.41	388.00	15	4.00
794.31	389.00	15	5.00
794.23	390.00	15	6.00

794.39	391.00	15	7.00
794.32	392.00	15	8.00
794.41	393.00	15	9.00
794.36	394.00	15	10.00
794.39	395.00	15	11.00
794.34	396.00	15	12.00
794.31	397.00	15	13.00
794.31	398.00	15	14.00
794.26	399.00	15	15.00
794.27	400.00	15	16.00
794.29	401.00	15	17.00
794.69	402.00	15	18.00
794.68	403.00	15	19.00
794.69	404.00	15	20.00
794.69	405.00	15	21.00
794.84	406.00	15	22.00
794.77	407.00	15	23.00
794.73	408.00	15	24.00
794.73	409.00	16	1.00
794.68	410.00	16	2.00
794.68	411.00	16	3.00
794.61	412.00	16	4.00
794.59	413.00	16	5.00
794.58	414.00	16	6.00
794.54	415.00	16	7.00
794.55	416.00	16	8.00
794.52	417.00	16	9.00
794.50	418.00	16	10.00
794.47	419.00	16	11.00
794.41	420.00	16	12.00
794.38	421.00	16	13.00
794.26	422.00	16	14.00
794.27	423.00	16	15.00
794.17	424.00	16	16.00
794.11	425.00	16	17.00
794.04	426.00	16	18.00
794.13	427.00	16	19.00
794.14	428.00	16	20.00
794.10	429.00	16	21.00
793.97	430.00	16	22.00
793.97	431.00	16	23.00
794.09	432.00	16	24.00
794.04	433.00	17	1.00
794.18	434.00	17	2.00
794.13	435.00	17	3.00
794.34	436.00	17	4.00
794.38	437.00	17	5.00
794.39	438.00	17	6.00
794.35	439.00	17	7.00
794.35	440.00	17	8.00
794.39	441.00	17	9.00

794.31	442.00	17	10.00
794.32	443.00	17	11.00
794.32	444.00	17	12.00
794.30	445.00	17	13.00
794.27	446.00	17	14.00
794.24	447.00	17	15.00
794.24	448.00	17	16.00
794.27	449.00	17	17.00
794.30	450.00	17	18.00
794.34	451.00	17	19.00
794.34	452.00	17	20.00
794.30	453.00	17	21.00
794.32	454.00	17	22.00
794.33	455.00	17	23.00
794.35	456.00	17	24.00

ROUGHNESS FACTORS IN CHANNEL 1

0.0290	0.0250	0.0400	0.0400	0.0400	0.0400	0.0330	0.0330
0.0400	0.0360	0.0340	0.0340	0.0340	0.0400	0.0320	0.0320
0.0400	0.0450	0.0450	0.0450	0.0400	0.0200	0.0200	0.0200
0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
0.0200	0.0200	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
0.0230	0.0230	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280
0.0290	0.0290	0.0250	0.0250	0.0200	0.0200	0.0200	0.0200
0.0230	0.0230	0.0230	0.0230	0.0230	0.0000		

NUMBER OF CONCENTRATED LOCALS: 1; NUMBER OF DISTRIBUTED LOCALS: 2

CONCENTRATED LOCAL NO. 1 COMES IN CHANNEL 1 AT MILE 58.900

DISTRIBUTED LOCAL NO. 1 COMES IN CHANNEL 1 BETWEEN MILES 79.800 & 23.100

DISTRIBUTED LOCAL NO. 2 COMES IN CHANNEL 1 BETWEEN MILES 68.000 & 23.100

CONCENTRATED LOCAL INFLOW NO. 1 THIS LOCAL INFLOW OCCURS IN REACH 20

DISCHARGE	HOURS	DAY	TIME
-2000.	0.00	29	0.00
-2000.	1.00	29	1.00
-2000.	2.00	29	2.00
-2000.	3.00	29	3.00
-2000.	4.00	29	4.00
-2000.	5.00	29	5.00
-2000.	6.00	29	6.00
-2000.	7.00	29	7.00
-2000.	8.00	29	8.00
-2000.	9.00	29	9.00

-2000.	10.00	29	10.00
-2000.	11.00	29	11.00
-2000.	12.00	29	12.00
-2000.	13.00	29	13.00
-2000.	14.00	29	14.00
-2000.	15.00	29	15.00
-2000.	16.00	29	16.00
-2000.	17.00	29	17.00
-2000.	18.00	29	18.00
-2000.	19.00	29	19.00
-2000.	20.00	29	20.00
-2000.	21.00	29	21.00
-2000.	22.00	29	22.00
-2000.	23.00	29	23.00
-2000.	24.00	29	24.00
-2000.	25.00	30	1.00
-2000.	26.00	30	2.00
-2000.	27.00	30	3.00
-2000.	28.00	30	4.00
-2000.	29.00	30	5.00
-2000.	30.00	30	6.00
-2000.	31.00	30	7.00
-2000.	32.00	30	8.00
-2000.	33.00	30	9.00
-2000.	34.00	30	10.00
-2000.	35.00	30	11.00
-2000.	36.00	30	12.00
-2000.	37.00	30	13.00
-2000.	38.00	30	14.00
-2000.	39.00	30	15.00
-2000.	40.00	30	16.00
-2000.	41.00	30	17.00
-2000.	42.00	30	18.00
-2000.	43.00	30	19.00
-2000.	44.00	30	20.00
-2000.	45.00	30	21.00
-2000.	46.00	30	22.00
-2000.	47.00	30	23.00
-2000.	48.00	30	24.00
-2000.	49.00	1	1.00
-2000.	50.00	1	2.00
-2000.	51.00	1	3.00
-2000.	52.00	1	4.00
-2000.	53.00	1	5.00
-2000.	54.00	1	6.00
-2000.	55.00	1	7.00
-2000.	56.00	1	8.00
-2000.	57.00	1	9.00
-2000.	58.00	1	10.00
-2000.	59.00	1	11.00
-2000.	60.00	1	12.00

-2000.	61.00	1	13.00
-2000.	62.00	1	14.00
-2000.	63.00	1	15.00
-2000.	64.00	1	16.00
-2000.	65.00	1	17.00
-2000.	66.00	1	18.00
-2000.	67.00	1	19.00
-2000.	68.00	1	20.00
-2000.	69.00	1	21.00
-2000.	70.00	1	22.00
-2000.	71.00	1	23.00
-2000.	72.00	1	24.00
-2000.	73.00	2	1.00
-2000.	74.00	2	2.00
-2000.	75.00	2	3.00
-2000.	76.00	2	4.00
-2000.	77.00	2	5.00
-2000.	78.00	2	6.00
-2000.	79.00	2	7.00
-2000.	80.00	2	8.00
-2000.	81.00	2	9.00
-2000.	82.00	2	10.00
-2000.	83.00	2	11.00
-2000.	84.00	2	12.00
-2000.	85.00	2	13.00
-2000.	86.00	2	14.00
-2000.	87.00	2	15.00
-2000.	88.00	2	16.00
-2000.	89.00	2	17.00
-2000.	90.00	2	18.00
-2000.	91.00	2	19.00
-2000.	92.00	2	20.00
-2000.	93.00	2	21.00
-2000.	94.00	2	22.00
-2000.	95.00	2	23.00
-2000.	96.00	2	24.00
-2000.	97.00	3	1.00
-2000.	98.00	3	2.00
-2000.	99.00	3	3.00
-2000.	100.00	3	4.00
-2000.	101.00	3	5.00
-2000.	102.00	3	6.00
-2000.	103.00	3	7.00
-2000.	104.00	3	8.00
-2000.	105.00	3	9.00
-2000.	106.00	3	10.00
-2000.	107.00	3	11.00
-2000.	108.00	3	12.00
-2000.	109.00	3	13.00
-2000.	110.00	3	14.00
-2000.	111.00	3	15.00

-2000.	112.00	3	16.00
-2000.	113.00	3	17.00
-2000.	114.00	3	18.00
-2000.	115.00	3	19.00
-2000.	116.00	3	20.00
-2000.	117.00	3	21.00
-2000.	118.00	3	22.00
-2000.	119.00	3	23.00
-2000.	120.00	3	24.00
-2000.	121.00	4	1.00
-2000.	122.00	4	2.00
-2000.	123.00	4	3.00
-2000.	124.00	4	4.00
-2000.	125.00	4	5.00
-2000.	126.00	4	6.00
-2000.	127.00	4	7.00
-2000.	128.00	4	8.00
-2000.	129.00	4	9.00
-2000.	130.00	4	10.00
-2000.	131.00	4	11.00
-2000.	132.00	4	12.00
-2000.	133.00	4	13.00
-2000.	134.00	4	14.00
-2000.	135.00	4	15.00
-2000.	136.00	4	16.00
-2000.	137.00	4	17.00
-2000.	138.00	4	18.00
-2000.	139.00	4	19.00
-2000.	140.00	4	20.00
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-2000.	143.00	4	23.00
-2000.	144.00	4	24.00
-2000.	145.00	5	1.00
-2000.	146.00	5	2.00
-2000.	147.00	5	3.00
-2000.	148.00	5	4.00
-2000.	149.00	5	5.00
-2000.	150.00	5	6.00
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-2000.	153.00	5	9.00
-2000.	154.00	5	10.00
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-2000.	156.00	5	12.00
-2000.	157.00	5	13.00
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-2000.	160.00	5	16.00
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-2000.	163.00	5	19.00
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-2000.	165.00	5	21.00
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-2000.	167.00	5	23.00
-2000.	168.00	5	24.00
-2000.	169.00	6	1.00
-2000.	170.00	6	2.00
-2000.	171.00	6	3.00
-2000.	172.00	6	4.00
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-2000.	178.00	6	10.00
-2000.	179.00	6	11.00
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-2000.	184.00	6	16.00
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-2000.	191.00	6	23.00
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-2000.	202.00	7	10.00
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-2000.	207.00	7	15.00
-2000.	208.00	7	16.00
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-2000.	241.00	9	1.00
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-2000.	336.00	12	24.00
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-2000.	338.00	13	2.00
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-2000.	375.00	14	15.00
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-2000.	380.00	14	20.00
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-2000.	383.00	14	23.00
-2000.	384.00	14	24.00
-2000.	385.00	15	1.00
-2000.	386.00	15	2.00
-2000.	387.00	15	3.00
-2000.	388.00	15	4.00
-2000.	389.00	15	5.00
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-2000.	392.00	15	8.00
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-2000.	401.00	15	17.00
-2000.	402.00	15	18.00
-2000.	403.00	15	19.00
-2000.	404.00	15	20.00
-2000.	405.00	15	21.00
-2000.	406.00	15	22.00
-2000.	407.00	15	23.00
-2000.	408.00	15	24.00
-2000.	409.00	16	1.00
-2000.	410.00	16	2.00
-2000.	411.00	16	3.00
-2000.	412.00	16	4.00
-2000.	413.00	16	5.00
-2000.	414.00	16	6.00
-2000.	415.00	16	7.00
-2000.	416.00	16	8.00
-2000.	417.00	16	9.00

-2000.	418.00	16	10.00
-2000.	419.00	16	11.00
-2000.	420.00	16	12.00
-2000.	421.00	16	13.00
-2000.	422.00	16	14.00
-2000.	423.00	16	15.00
-2000.	424.00	16	16.00
-2000.	425.00	16	17.00
-2000.	426.00	16	18.00
-2000.	427.00	16	19.00
-2000.	428.00	16	20.00
-2000.	429.00	16	21.00
-2000.	430.00	16	22.00
-2000.	431.00	16	23.00
-2000.	432.00	16	24.00
-2000.	433.00	17	1.00
-2000.	434.00	17	2.00
-2000.	435.00	17	3.00
-2000.	436.00	17	4.00
-2000.	437.00	17	5.00
-2000.	438.00	17	6.00
-2000.	439.00	17	7.00
-2000.	440.00	17	8.00
-2000.	441.00	17	9.00
-2000.	442.00	17	10.00
-2000.	443.00	17	11.00
-2000.	444.00	17	12.00
-2000.	445.00	17	13.00
-2000.	446.00	17	14.00
-2000.	447.00	17	15.00
-2000.	448.00	17	16.00
-2000.	449.00	17	17.00
-2000.	450.00	17	18.00
-2000.	451.00	17	19.00
-2000.	452.00	17	20.00
-2000.	453.00	17	21.00
-2000.	454.00	17	22.00
-2000.	455.00	17	23.00
-2000.	456.00	17	24.00

DISTRIBUTED LOCAL INFLOW NO. 1 THIS LOCAL INFLOW OCCURS IN 60 REACHES: 1 THRU 60, 56.70 MILES

DISCHARGE	HOURS	DAY	TIME
588.	0.00	29	0.00
588.	2.00	29	2.00
588.	4.00	29	4.00
588.	6.00	29	6.00
588.	8.00	29	8.00
588.	10.00	29	10.00

588.	12.00	29	12.00
588.	14.00	29	14.00
588.	16.00	29	16.00
588.	18.00	29	18.00
588.	20.00	29	20.00
588.	22.00	29	22.00
588.	24.00	29	24.00
588.	26.00	30	2.00
588.	28.00	30	4.00
588.	30.00	30	6.00
588.	32.00	30	8.00
588.	34.00	30	10.00
588.	36.00	30	12.00
588.	38.00	30	14.00
588.	40.00	30	16.00
588.	42.00	30	18.00
588.	44.00	30	20.00
588.	46.00	30	22.00
588.	48.00	30	24.00
588.	50.00	1	2.00
588.	52.00	1	4.00
588.	54.00	1	6.00
588.	56.00	1	8.00
588.	58.00	1	10.00
588.	60.00	1	12.00
588.	62.00	1	14.00
588.	64.00	1	16.00
588.	66.00	1	18.00
588.	68.00	1	20.00
588.	70.00	1	22.00
588.	72.00	1	24.00
588.	74.00	2	2.00
588.	76.00	2	4.00
588.	78.00	2	6.00
588.	80.00	2	8.00
588.	82.00	2	10.00
588.	84.00	2	12.00
588.	86.00	2	14.00
588.	88.00	2	16.00
588.	90.00	2	18.00
588.	92.00	2	20.00
588.	94.00	2	22.00
588.	96.00	2	24.00
588.	98.00	3	2.00
588.	100.00	3	4.00
588.	102.00	3	6.00
588.	104.00	3	8.00
588.	106.00	3	10.00
588.	108.00	3	12.00
588.	110.00	3	14.00
588.	112.00	3	16.00

588.	114.00	3	18.00
588.	116.00	3	20.00
588.	118.00	3	22.00
588.	120.00	3	24.00
588.	122.00	4	2.00
588.	124.00	4	4.00
588.	126.00	4	6.00
588.	128.00	4	8.00
588.	130.00	4	10.00
588.	132.00	4	12.00
588.	134.00	4	14.00
588.	136.00	4	16.00
588.	138.00	4	18.00
588.	140.00	4	20.00
588.	142.00	4	22.00
588.	144.00	4	24.00
608.	146.00	5	2.00
628.	148.00	5	4.00
648.	150.00	5	6.00
668.	152.00	5	8.00
688.	154.00	5	10.00
708.	156.00	5	12.00
728.	158.00	5	14.00
882.	160.00	5	16.00
1560.	162.00	5	18.00
2998.	164.00	5	20.00
3150.	166.00	5	22.00
3552.	168.00	5	24.00
3656.	170.00	6	2.00
3615.	172.00	6	4.00
3700.	174.00	6	6.00
4702.	176.00	6	8.00
6565.	178.00	6	10.00
7905.	180.00	6	12.00
7410.	182.00	6	14.00
6876.	184.00	6	16.00
6320.	186.00	6	18.00
5826.	188.00	6	20.00
5391.	190.00	6	22.00
4979.	192.00	6	24.00
4753.	194.00	7	2.00
5201.	196.00	7	4.00
7153.	198.00	7	6.00
7309.	200.00	7	8.00
6805.	202.00	7	10.00
6448.	204.00	7	12.00
7522.	206.00	7	14.00
7336.	208.00	7	16.00
6881.	210.00	7	18.00
6426.	212.00	7	20.00
6107.	214.00	7	22.00

5666.	216.00	7	24.00
5195.	218.00	8	2.00
4658.	220.00	8	4.00
4181.	222.00	8	6.00
3839.	224.00	8	8.00
3541.	226.00	8	10.00
3271.	228.00	8	12.00
3078.	230.00	8	14.00
2956.	232.00	8	16.00
2840.	234.00	8	18.00
2739.	236.00	8	20.00
2653.	238.00	8	22.00
2567.	240.00	8	24.00
2462.	242.00	9	2.00
2343.	244.00	9	4.00
2244.	246.00	9	6.00
2185.	248.00	9	8.00
2134.	250.00	9	10.00
2081.	252.00	9	12.00
2047.	254.00	9	14.00
2029.	256.00	9	16.00
2014.	258.00	9	18.00
2001.	260.00	9	20.00
1991.	262.00	9	22.00
1981.	264.00	9	24.00
1976.	266.00	10	2.00
1981.	268.00	10	4.00
1991.	270.00	10	6.00
1995.	272.00	10	8.00
2000.	274.00	10	10.00
2004.	276.00	10	12.00
2008.	278.00	10	14.00
2011.	280.00	10	16.00
2014.	282.00	10	18.00
2017.	284.00	10	20.00
2024.	286.00	10	22.00
2043.	288.00	10	24.00
2043.	290.00	11	2.00
2043.	292.00	11	4.00
2043.	294.00	11	6.00
2043.	296.00	11	8.00
2043.	298.00	11	10.00
2043.	300.00	11	12.00
2043.	302.00	11	14.00
2043.	304.00	11	16.00
2043.	306.00	11	18.00
2043.	308.00	11	20.00
2043.	310.00	11	22.00
2043.	312.00	11	24.00
2043.	314.00	12	2.00
2043.	316.00	12	4.00

2043.	318.00	12	6.00
2043.	320.00	12	8.00
2043.	322.00	12	10.00
2043.	324.00	12	12.00
2043.	326.00	12	14.00
2043.	328.00	12	16.00
2043.	330.00	12	18.00
2043.	332.00	12	20.00
2043.	334.00	12	22.00
2043.	336.00	12	24.00
2043.	338.00	13	2.00
2043.	340.00	13	4.00
2043.	342.00	13	6.00
2043.	344.00	13	8.00
2043.	346.00	13	10.00
2043.	348.00	13	12.00
2043.	350.00	13	14.00
2043.	352.00	13	16.00
2043.	354.00	13	18.00
2043.	356.00	13	20.00
2043.	358.00	13	22.00
2043.	360.00	13	24.00
2043.	362.00	14	2.00
2043.	364.00	14	4.00
2043.	366.00	14	6.00
2043.	368.00	14	8.00
2043.	370.00	14	10.00
2043.	372.00	14	12.00
2043.	374.00	14	14.00
2043.	376.00	14	16.00
2043.	378.00	14	18.00
2043.	380.00	14	20.00
2043.	382.00	14	22.00
2043.	384.00	14	24.00
2043.	386.00	15	2.00
2043.	388.00	15	4.00
2043.	390.00	15	6.00
2043.	392.00	15	8.00
2043.	394.00	15	10.00
2043.	396.00	15	12.00
2043.	398.00	15	14.00
2043.	400.00	15	16.00
2043.	402.00	15	18.00
2043.	404.00	15	20.00
2043.	406.00	15	22.00
2043.	408.00	15	24.00
2043.	410.00	16	2.00
2043.	412.00	16	4.00
2043.	414.00	16	6.00
2043.	416.00	16	8.00
2043.	418.00	16	10.00

2043.	420.00	16	12.00
2043.	422.00	16	14.00
2043.	424.00	16	16.00
2043.	426.00	16	18.00
2043.	428.00	16	20.00
2043.	430.00	16	22.00
2043.	432.00	16	24.00
2043.	434.00	17	2.00
2043.	436.00	17	4.00
2043.	438.00	17	6.00
2043.	440.00	17	8.00
2043.	442.00	17	10.00
2043.	444.00	17	12.00
2043.	446.00	17	14.00
2043.	448.00	17	16.00
2043.	450.00	17	18.00
2043.	452.00	17	20.00
2043.	454.00	17	22.00
2043.	456.00	17	24.00

DISTRIBUTED LOCAL INFLOW NO. 2 THIS LOCAL INFLOW OCCURS IN 49 REACHES: 12 THRU 60, 44.90 MILES

DISCHARGE	HOURS	DAY	TIME
0.	0.00	29	0.00
0.	2.00	29	2.00
0.	4.00	29	4.00
0.	6.00	29	6.00
0.	8.00	29	8.00
0.	10.00	29	10.00
0.	12.00	29	12.00
0.	14.00	29	14.00
0.	16.00	29	16.00
0.	18.00	29	18.00
0.	20.00	29	20.00
0.	22.00	29	22.00
0.	24.00	29	24.00
0.	26.00	30	2.00
0.	28.00	30	4.00
0.	30.00	30	6.00
0.	32.00	30	8.00
0.	34.00	30	10.00
0.	36.00	30	12.00
0.	38.00	30	14.00
0.	40.00	30	16.00
0.	42.00	30	18.00
0.	44.00	30	20.00
0.	46.00	30	22.00
0.	48.00	30	24.00
0.	50.00	1	2.00

0.	52.00	1	4.00
0.	54.00	1	6.00
0.	56.00	1	8.00
0.	58.00	1	10.00
0.	60.00	1	12.00
0.	62.00	1	14.00
0.	64.00	1	16.00
0.	66.00	1	18.00
0.	68.00	1	20.00
0.	70.00	1	22.00
0.	72.00	1	24.00
0.	74.00	2	2.00
0.	76.00	2	4.00
0.	78.00	2	6.00
0.	80.00	2	8.00
0.	82.00	2	10.00
0.	84.00	2	12.00
0.	86.00	2	14.00
0.	88.00	2	16.00
0.	90.00	2	18.00
0.	92.00	2	20.00
0.	94.00	2	22.00
0.	96.00	2	24.00
0.	98.00	3	2.00
0.	100.00	3	4.00
0.	102.00	3	6.00
0.	104.00	3	8.00
0.	106.00	3	10.00
0.	108.00	3	12.00
0.	110.00	3	14.00
0.	112.00	3	16.00
0.	114.00	3	18.00
0.	116.00	3	20.00
0.	118.00	3	22.00
0.	120.00	3	24.00
0.	122.00	4	2.00
0.	124.00	4	4.00
0.	126.00	4	6.00
0.	128.00	4	8.00
0.	130.00	4	10.00
0.	132.00	4	12.00
0.	134.00	4	14.00
0.	136.00	4	16.00
0.	138.00	4	18.00
0.	140.00	4	20.00
0.	142.00	4	22.00
0.	144.00	4	24.00
0.	146.00	5	2.00
169.	148.00	5	4.00
282.	150.00	5	6.00
564.	152.00	5	8.00

818.	154.00	5	10.00
113.	156.00	5	12.00
0.	158.00	5	14.00
226.	160.00	5	16.00
959.	162.00	5	18.00
1015.	164.00	5	20.00
113.	166.00	5	22.00
282.	168.00	5	24.00
141.	170.00	6	2.00
28.	172.00	6	4.00
85.	174.00	6	6.00
451.	176.00	6	8.00
564.	178.00	6	10.00
451.	180.00	6	12.00
0.	182.00	6	14.00
0.	184.00	6	16.00
0.	186.00	6	18.00
0.	188.00	6	20.00
0.	190.00	6	22.00
0.	192.00	6	24.00
0.	194.00	7	2.00
197.	196.00	7	4.00
367.	198.00	7	6.00
113.	200.00	7	8.00
28.	202.00	7	10.00
28.	204.00	7	12.00
197.	206.00	7	14.00
56.	208.00	7	16.00
0.	210.00	7	18.00
0.	212.00	7	20.00
0.	214.00	7	22.00
0.	216.00	7	24.00
0.	218.00	8	2.00
0.	220.00	8	4.00
0.	222.00	8	6.00
0.	224.00	8	8.00
0.	226.00	8	10.00
0.	228.00	8	12.00
0.	230.00	8	14.00
0.	232.00	8	16.00
0.	234.00	8	18.00
0.	236.00	8	20.00
0.	238.00	8	22.00
0.	240.00	8	24.00
0.	242.00	9	2.00
0.	244.00	9	4.00
0.	246.00	9	6.00
0.	248.00	9	8.00
0.	250.00	9	10.00
0.	252.00	9	12.00
0.	254.00	9	14.00

0.	256.00	9	16.00
0.	258.00	9	18.00
0.	260.00	9	20.00
0.	262.00	9	22.00
0.	264.00	9	24.00
0.	266.00	10	2.00
0.	268.00	10	4.00
0.	270.00	10	6.00
0.	272.00	10	8.00
0.	274.00	10	10.00
0.	276.00	10	12.00
0.	278.00	10	14.00
0.	280.00	10	16.00
0.	282.00	10	18.00
0.	284.00	10	20.00
0.	286.00	10	22.00
0.	288.00	10	24.00
0.	290.00	11	2.00
0.	292.00	11	4.00
0.	294.00	11	6.00
0.	296.00	11	8.00
0.	298.00	11	10.00
0.	300.00	11	12.00
0.	302.00	11	14.00
0.	304.00	11	16.00
0.	306.00	11	18.00
0.	308.00	11	20.00
0.	310.00	11	22.00
0.	312.00	11	24.00
0.	314.00	12	2.00
0.	316.00	12	4.00
0.	318.00	12	6.00
0.	320.00	12	8.00
0.	322.00	12	10.00
0.	324.00	12	12.00
0.	326.00	12	14.00
0.	328.00	12	16.00
0.	330.00	12	18.00
0.	332.00	12	20.00
0.	334.00	12	22.00
0.	336.00	12	24.00
0.	338.00	13	2.00
0.	340.00	13	4.00
0.	342.00	13	6.00
0.	344.00	13	8.00
0.	346.00	13	10.00
0.	348.00	13	12.00
0.	350.00	13	14.00
0.	352.00	13	16.00
0.	354.00	13	18.00
0.	356.00	13	20.00

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0.  358.00   13  22.00
0.  360.00   13  24.00
0.  362.00   14   2.00
0.  364.00   14   4.00
0.  366.00   14   6.00
0.  368.00   14   8.00
0.  370.00   14  10.00
0.  372.00   14  12.00
0.  374.00   14  14.00
0.  376.00   14  16.00
0.  378.00   14  18.00
0.  380.00   14  20.00
0.  382.00   14  22.00
0.  384.00   14  24.00
0.  386.00   15   2.00
0.  388.00   15   4.00
0.  390.00   15   6.00
0.  392.00   15   8.00
0.  394.00   15  10.00
0.  396.00   15  12.00
0.  398.00   15  14.00
0.  400.00   15  16.00
0.  402.00   15  18.00
0.  404.00   15  20.00
0.  406.00   15  22.00
0.  408.00   15  24.00
0.  410.00   16   2.00
0.  412.00   16   4.00
0.  414.00   16   6.00
0.  416.00   16   8.00
0.  418.00   16  10.00
0.  420.00   16  12.00
0.  422.00   16  14.00
0.  424.00   16  16.00
0.  426.00   16  18.00
0.  428.00   16  20.00
0.  430.00   16  22.00
0.  432.00   16  24.00
0.  434.00   17   2.00
0.  436.00   17   4.00
0.  438.00   17   6.00
0.  440.00   17   8.00
0.  442.00   17  10.00
0.  444.00   17  12.00
0.  446.00   17  14.00
0.  448.00   17  16.00
0.  450.00   17  18.00
0.  452.00   17  20.00
0.  454.00   17  22.00
0.  456.00   17  24.00
0THIRD LINE LOCAL INFLOWS
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10.89	10.89	10.89	10.89	10.89	10.89	10.89	10.89
10.89	10.89	10.89	10.89	10.89	10.89	10.89	10.89
10.89	10.89	10.89	-1989.11	9.33	9.33	10.37	10.37
9.85	9.85	10.89	10.89	14.00	14.00	10.89	10.89
10.89	10.89	2.07	2.07	8.81	8.81	15.04	15.04
10.89	10.89	5.19	5.19	7.26	7.26	5.19	5.19
10.89	10.89	7.26	7.26	5.70	5.70	8.81	8.81
10.89	10.89	10.89	10.89				

THE INITIAL CONDITIONS ARE:

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0DATE 4-29-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 0.0000	ELEVATION	DISCHARGE	VELOCITY	AREA	WIDTH	R(2/3)
MILE 79.80	826.10	6749.	3.88	1740.	336.	3.30
MILE 77.70	820.60	6771.	3.21	2112.	294.	3.43
MILE 75.60	815.05	6793.	3.12	2180.	271.	3.94
MILE 73.50	810.47	6814.	3.30	2063.	218.	3.79
MILE 71.40	808.24	6836.	2.63	2599.	278.	3.46
MILE 69.30	804.63	6858.	3.18	2154.	335.	2.92
MILE 67.20	799.93	6880.	2.86	2402.	389.	2.78
MILE 65.10	796.53	6901.	2.32	2971.	422.	3.83
MILE 63.00	795.30	6923.	1.78	3884.	369.	4.86
MILE 60.90	794.39	6945.	1.47	4735.	360.	5.81
MILE 58.80	793.95	4967.	0.87	5722.	353.	6.13
MILE 57.00	793.87	4985.	0.79	6312.	394.	5.99
MILE 55.00	793.84	5006.	0.78	6416.	456.	6.48
MILE 53.10	793.82	5026.	0.57	8811.	561.	5.96
MILE 51.00	793.80	5048.	0.53	9537.	911.	6.09
MILE 48.30	793.78	5076.	0.40	12756.	1608.	4.92
MILE 46.20	793.76	5097.	0.33	15332.	1799.	6.69
MILE 44.10	793.76	5119.	0.19	27321.	1494.	8.00
MILE 43.70	793.76	5123.	0.36	14171.	1352.	8.25
MILE 42.00	793.74	5141.	0.28	18416.	1318.	6.16
MILE 39.10	793.73	5171.	0.29	17858.	1340.	7.83
MILE 37.00	793.73	5193.	0.17	31375.	1109.	7.20
MILE 36.00	793.72	5203.	0.27	19487.	892.	8.32
MILE 34.60	793.72	5218.	0.18	29711.	1215.	9.59
MILE 33.60	793.72	5228.	0.09	61179.	2121.	8.05
MILE 31.50	793.72	5250.	0.17	30207.	1740.	10.33
MILE 30.10	793.72	5264.	0.17	31777.	874.	9.86
MILE 29.00	793.72	5276.	0.15	35475.	1044.	10.73
MILE 27.30	793.72	5293.	0.14	36830.	1044.	11.13
MILE 25.20	793.72	5315.	0.12	45666.	1042.	11.96
MILE 23.10	793.72	5337.	0.14	37565.	1073.	11.38

TIME 0.0014 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3)

MILE	78.75	822.28	6760.	4.24	1594.	293.	3.01
MILE	76.65	817.67	6782.	3.24	2091.	278.	3.63
MILE	74.55	812.71	6803.	3.15	2160.	250.	3.80
MILE	72.45	809.24	6825.	2.88	2369.	245.	3.62
MILE	70.35	806.64	6847.	2.71	2530.	308.	3.25
MILE	68.25	802.18	6869.	3.11	2211.	357.	2.84
MILE	66.15	798.27	6891.	2.49	2763.	402.	3.33
MILE	64.05	795.75	6912.	2.02	3425.	415.	4.40
MILE	61.95	794.82	6934.	1.60	4339.	402.	5.30
MILE	59.85	794.08	6956.	1.34	5188.	378.	6.08
MILE	57.90	793.89	4976.	0.83	6007.	374.	6.06
MILE	56.00	793.86	4996.	0.79	6363.	425.	6.24
MILE	54.05	793.83	5016.	0.66	7612.	509.	6.22
MILE	52.05	793.82	5037.	0.54	9333.	739.	6.13
MILE	49.65	793.79	5062.	0.45	11174.	1260.	5.52
MILE	47.25	793.77	5087.	0.35	14513.	1744.	5.76
MILE	45.15	793.76	5108.	0.24	20999.	1701.	7.38
MILE	43.90	793.76	5121.	0.24	21680.	1425.	8.50
MILE	42.85	793.75	5132.	0.31	16305.	1335.	7.20
MILE	40.55	793.74	5156.	0.28	18150.	1329.	7.00
MILE	38.05	793.73	5182.	0.21	24599.	1225.	7.52
MILE	36.50	793.73	5198.	0.20	26490.	1004.	7.94
MILE	35.30	793.72	5210.	0.21	24599.	1054.	8.95
MILE	34.10	793.72	5223.	0.12	43404.	1621.	8.78
MILE	32.55	793.72	5239.	0.11	47940.	1934.	9.28
MILE	30.80	793.72	5257.	0.17	31221.	1259.	10.14
MILE	29.55	793.72	5270.	0.16	33727.	941.	10.31
MILE	28.15	793.72	5285.	0.15	36153.	1044.	10.93
MILE	26.25	793.72	5304.	0.13	41135.	1032.	11.58
MILE	24.15	793.72	5326.	0.13	41615.	1057.	11.67

0DATE 4-29-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	826.16	6749.	3.84	1759.	337.	3.32	0.0290	22.	7.	0.30
MILE	77.70	821.28	6827.	2.92	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.03	6475.	2.98	2172.	271.	3.93	0.0400	22.	9.	0.19
MILE	73.50	810.69	6241.	2.94	2124.	222.	3.85	0.0330	22.	11.	0.17
MILE	71.40	808.51	6123.	2.26	2710.	284.	3.55	0.0400	22.	11.	0.13
MILE	69.30	804.93	6070.	2.64	2298.	345.	3.01	0.0340	22.	6.	0.18
MILE	67.20	800.02	6062.	2.47	2458.	394.	2.80	0.0340	22.	9.	0.17
MILE	65.10	795.86	6154.	2.28	2701.	391.	3.62	0.0320	22.	9.	0.15
MILE	63.00	795.05	6520.	1.72	3796.	357.	4.80	0.0400	22.	14.	0.09

MILE	60.90	794.25	6830.	1.46	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	5042.	0.89	5681.	352.	6.11	0.0400	-1980.	21.	0.04
MILE	57.00	793.82	5164.	0.82	6290.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.80	5322.	0.83	6402.	455.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.81	5452.	0.62	8801.	561.	5.96	0.0200	21.	21.	0.03
MILE	51.00	793.78	5653.	0.59	9524.	911.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.77	5743.	0.45	12752.	1608.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.77	5557.	0.36	15334.	1799.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.76	5497.	0.20	27326.	1494.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.76	5513.	0.39	14173.	1352.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.75	5525.	0.30	18425.	1319.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.74	5547.	0.31	17867.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.74	5555.	0.18	31392.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.73	5557.	0.29	19495.	893.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.73	5541.	0.19	29720.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.73	5527.	0.09	61200.	2122.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.73	5503.	0.18	30214.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.73	5496.	0.17	31784.	875.	9.86	0.0200	13.	53.	0.01
MILE	29.00	793.73	5496.	0.15	35481.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.73	5502.	0.15	36834.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5529.	0.12	45668.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5560.	0.15	37565.	1073.	11.38	0.0230	22.	64.	0.00

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TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	826.21	6749.	3.80	1775.	338.	3.34	0.0290	22.	8.	0.29
MILE	77.70	821.28	6740.	2.88	2343.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.26	6756.	3.02	2239.	277.	3.99	0.0400	22.	9.	0.19
MILE	73.50	811.02	6732.	3.03	2219.	229.	3.93	0.0330	22.	12.	0.17
MILE	71.40	808.85	6686.	2.35	2850.	290.	3.66	0.0400	22.	11.	0.13
MILE	69.30	805.21	6589.	2.71	2431.	350.	3.10	0.0340	22.	7.	0.18
MILE	67.20	800.16	6399.	2.53	2531.	398.	2.85	0.0340	22.	9.	0.18
MILE	65.10	795.69	6241.	2.37	2633.	384.	3.57	0.0320	22.	9.	0.16
MILE	63.00	794.85	6318.	1.70	3725.	352.	4.76	0.0400	22.	14.	0.09
MILE	60.90	794.11	6399.	1.38	4642.	357.	5.74	0.0450	22.	18.	0.07
MILE	58.80	793.77	4440.	0.78	5658.	351.	6.11	0.0400	-1980.	21.	0.03
MILE	57.00	793.75	4470.	0.71	6258.	393.	5.96	0.0200	20.	19.	0.03
MILE	55.00	793.73	4526.	0.71	6376.	454.	6.47	0.0200	20.	20.	0.03
MILE	53.10	793.74	4545.	0.52	8758.	559.	5.94	0.0200	21.	20.	0.02
MILE	51.00	793.73	4638.	0.49	9501.	909.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.73	4825.	0.38	12705.	1606.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.73	5098.	0.33	15307.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5289.	0.19	27299.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5349.	0.38	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.74	5520.	0.30	18407.	1318.	6.16	0.0300	24.	44.	0.01

MILE	39.10	793.73	5899.	0.33	17858.	1340.	7.83	0.0230	26.	43.	0.02
MILE	37.00	793.73	6035.	0.19	31378.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.73	6080.	0.31	19489.	893.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.73	6115.	0.21	29714.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.73	6121.	0.10	61188.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	6118.	0.20	30210.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	6117.	0.19	31780.	874.	9.86	0.0200	13.	53.	0.01
MILE	29.00	793.72	6122.	0.17	35477.	1044.	10.73	0.0200	15.	54.	0.01
MILE	27.30	793.72	6141.	0.17	36831.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	6164.	0.13	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	6178.	0.16	37565.	1073.	11.38	0.0230	22.	64.	0.00

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TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	826.11	6749.	3.87	1744.	337.	3.31	0.0290	22.	7.	0.30
MILE	77.70	821.33	6831.	2.89	2361.	316.	3.68	0.0400	22.	11.	0.19
MILE	75.60	815.40	6915.	3.03	2281.	280.	4.03	0.0400	22.	9.	0.19
MILE	73.50	811.21	6945.	3.05	2277.	233.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.04	6931.	2.37	2930.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.36	6861.	2.74	2502.	352.	3.16	0.0340	22.	7.	0.18
MILE	67.20	800.30	6725.	2.58	2611.	402.	2.90	0.0340	22.	10.	0.18
MILE	65.10	795.75	6535.	2.46	2661.	387.	3.59	0.0320	22.	9.	0.17
MILE	63.00	794.89	6424.	1.72	3737.	352.	4.77	0.0400	22.	14.	0.09
MILE	60.90	794.14	6376.	1.37	4650.	357.	5.75	0.0450	22.	18.	0.07
MILE	58.80	793.79	4350.	0.77	5664.	351.	6.11	0.0400	-1980.	21.	0.03
MILE	57.00	793.76	4385.	0.70	6265.	393.	5.97	0.0200	20.	19.	0.03
MILE	55.00	793.74	4385.	0.69	6380.	454.	6.47	0.0200	20.	20.	0.03
MILE	53.10	793.73	4411.	0.50	8753.	559.	5.94	0.0200	21.	20.	0.02
MILE	51.00	793.71	4473.	0.47	9490.	909.	6.07	0.0200	25.	24.	0.03
MILE	48.30	793.70	4648.	0.37	12670.	1604.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.69	4758.	0.31	15271.	1795.	6.68	0.0200	22.	32.	0.02
MILE	44.10	793.69	4843.	0.18	27245.	1491.	7.99	0.0300	13.	38.	0.01
MILE	43.70	793.69	4881.	0.35	14138.	1349.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.69	4931.	0.27	18354.	1316.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.69	5057.	0.28	17825.	1338.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.69	5208.	0.17	31315.	1108.	7.19	0.0280	16.	42.	0.01
MILE	36.00	793.69	5266.	0.27	19459.	891.	8.31	0.0280	12.	45.	0.01
MILE	34.60	793.69	5324.	0.18	29680.	1213.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.69	5363.	0.09	61099.	2119.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.70	5450.	0.18	30185.	1739.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.70	5474.	0.17	31757.	874.	9.85	0.0200	13.	53.	0.01
MILE	29.00	793.71	5486.	0.15	35460.	1043.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.71	5505.	0.15	36820.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5534.	0.12	45661.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5576.	0.15	37565.	1073.	11.38	0.0230	22.	64.	0.00

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TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.99	6749.	3.95	1709.	335.	3.27	0.0290	22.	7.	0.31
MILE	77.70	821.32	6821.	2.89	2357.	316.	3.68	0.0400	22.	11.	0.19
MILE	75.60	815.43	6910.	3.02	2289.	281.	4.04	0.0400	22.	9.	0.19
MILE	73.50	811.27	6966.	3.04	2294.	234.	4.00	0.0330	22.	12.	0.17
MILE	71.40	809.11	6987.	2.36	2957.	295.	3.74	0.0400	22.	11.	0.13
MILE	69.30	805.43	6976.	2.75	2534.	352.	3.18	0.0340	22.	7.	0.18
MILE	67.20	800.41	6926.	2.60	2669.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	795.89	6800.	2.50	2715.	393.	3.63	0.0320	22.	9.	0.17
MILE	63.00	794.98	6682.	1.77	3769.	354.	4.79	0.0400	22.	14.	0.10
MILE	60.90	794.17	6646.	1.43	4662.	357.	5.75	0.0450	22.	18.	0.07
MILE	58.80	793.79	4658.	0.82	5663.	351.	6.11	0.0400	-1980.	21.	0.04
MILE	57.00	793.76	4667.	0.75	6264.	393.	5.97	0.0200	20.	19.	0.03
MILE	55.00	793.74	4676.	0.73	6377.	454.	6.47	0.0200	20.	20.	0.03
MILE	53.10	793.73	4672.	0.53	8752.	559.	5.94	0.0200	21.	20.	0.02
MILE	51.00	793.71	4686.	0.49	9490.	909.	6.07	0.0200	25.	24.	0.03
MILE	48.30	793.70	4689.	0.37	12672.	1604.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.70	4601.	0.30	15275.	1795.	6.68	0.0200	22.	32.	0.02
MILE	44.10	793.70	4432.	0.16	27251.	1491.	7.99	0.0300	13.	39.	0.01
MILE	43.70	793.70	4428.	0.31	14141.	1349.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.70	4334.	0.24	18363.	1316.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.70	4203.	0.24	17836.	1339.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.70	4035.	0.13	31341.	1108.	7.20	0.0280	16.	42.	0.00
MILE	36.00	793.71	3977.	0.20	19473.	892.	8.31	0.0280	12.	45.	0.01
MILE	34.60	793.71	3890.	0.13	29697.	1214.	9.59	0.0280	12.	45.	0.00
MILE	33.60	793.71	3806.	0.06	61146.	2120.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.71	3630.	0.12	30198.	1739.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.71	3603.	0.11	31769.	874.	9.85	0.0200	13.	53.	0.00
MILE	29.00	793.71	3603.	0.10	35468.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	3617.	0.10	36825.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	3636.	0.08	45663.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	3642.	0.10	37565.	1073.	11.38	0.0230	22.	64.	0.00

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TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.94	6749.	3.98	1695.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.29	6791.	2.89	2347.	315.	3.67	0.0400	22.	11.	0.19

MILE	75.60	815.39	6849.	3.01	2278.	280.	4.03	0.0400	22.	9.	0.19
MILE	73.50	811.25	6906.	3.02	2288.	233.	3.99	0.0330	22.	12.	0.17
MILE	71.40	809.10	6949.	2.35	2954.	295.	3.74	0.0400	22.	11.	0.13
MILE	69.30	805.44	6979.	2.75	2539.	353.	3.19	0.0340	22.	7.	0.18
MILE	67.20	800.46	6991.	2.60	2694.	407.	2.96	0.0340	22.	10.	0.18
MILE	65.10	795.99	6950.	2.52	2754.	397.	3.66	0.0320	22.	9.	0.17
MILE	63.00	795.05	6878.	1.81	3797.	357.	4.80	0.0400	22.	14.	0.10
MILE	60.90	794.21	6837.	1.46	4675.	358.	5.76	0.0450	22.	18.	0.07
MILE	58.80	793.81	4805.	0.85	5672.	351.	6.11	0.0400	-1980.	21.	0.04
MILE	57.00	793.79	4769.	0.76	6275.	393.	5.97	0.0200	20.	19.	0.03
MILE	55.00	793.77	4721.	0.74	6389.	455.	6.47	0.0200	20.	20.	0.03
MILE	53.10	793.76	4643.	0.53	8772.	560.	5.95	0.0200	21.	20.	0.02
MILE	51.00	793.75	4535.	0.48	9509.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.74	4258.	0.33	12719.	1606.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	3959.	0.26	15315.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	3800.	0.14	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	3788.	0.27	14162.	1351.	8.25	0.0300	11.	41.	0.01
MILE	42.00	793.74	3705.	0.20	18409.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	3582.	0.20	17862.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.73	3576.	0.11	31383.	1109.	7.20	0.0280	16.	42.	0.00
MILE	36.00	793.73	3584.	0.18	19492.	893.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.73	3597.	0.12	29717.	1215.	9.59	0.0280	12.	45.	0.00
MILE	33.60	793.73	3600.	0.06	61193.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.73	3612.	0.12	30212.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.73	3615.	0.11	31782.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	3617.	0.10	35479.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	3619.	0.10	36833.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	3626.	0.08	45667.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	3652.	0.10	37565.	1073.	11.38	0.0230	22.	64.	0.00

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TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.94	6749.	3.99	1693.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6775.	2.89	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.36	6807.	3.00	2268.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.22	6849.	3.01	2277.	233.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.07	6891.	2.34	2941.	294.	3.73	0.0400	22.	11.	0.13
MILE	69.30	805.43	6933.	2.74	2531.	352.	3.18	0.0340	22.	7.	0.18
MILE	67.20	800.46	6975.	2.59	2696.	407.	2.96	0.0340	22.	10.	0.18
MILE	65.10	796.04	6990.	2.52	2776.	400.	3.68	0.0320	22.	9.	0.17
MILE	63.00	795.12	6940.	1.82	3820.	360.	4.82	0.0400	22.	14.	0.10
MILE	60.90	794.28	6874.	1.46	4699.	359.	5.78	0.0450	22.	18.	0.07
MILE	58.80	793.89	4806.	0.84	5699.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.86	4770.	0.76	6306.	394.	5.99	0.0200	20.	19.	0.03
MILE	55.00	793.83	4731.	0.74	6413.	456.	6.48	0.0200	20.	20.	0.03

MILE	53.10	793.82	4702.	0.53	8806.	561.	5.96	0.0200	21.	21.	0.02
MILE	51.00	793.80	4652.	0.49	9535.	911.	6.09	0.0200	25.	25.	0.03
MILE	48.30	793.78	4525.	0.35	12762.	1609.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.77	4508.	0.29	15341.	1800.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.77	4412.	0.16	27332.	1494.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.77	4398.	0.31	14176.	1352.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.76	4345.	0.24	18434.	1319.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.74	4330.	0.24	17871.	1341.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.74	4323.	0.14	31395.	1110.	7.20	0.0280	16.	42.	0.00
MILE	36.00	793.74	4320.	0.22	19496.	893.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.73	4306.	0.14	29721.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.73	4279.	0.07	61202.	2122.	8.06	0.0290	16.	51.	0.00
MILE	31.50	793.73	4227.	0.14	30215.	1741.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.73	4231.	0.13	31785.	875.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.73	4243.	0.12	35481.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	4267.	0.12	36834.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	4298.	0.09	45668.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	4320.	0.12	37565.	1073.	11.38	0.0230	22.	64.	0.00

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.94	6749.	3.98	1694.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6769.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.34	6791.	3.00	2263.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.19	6821.	3.00	2270.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.05	6854.	2.34	2931.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.41	6893.	2.73	2522.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.45	6935.	2.58	2689.	406.	2.96	0.0340	22.	10.	0.18
MILE	65.10	796.07	6969.	2.50	2788.	401.	3.69	0.0320	22.	9.	0.17
MILE	63.00	795.16	6964.	1.82	3835.	362.	4.83	0.0400	22.	14.	0.10
MILE	60.90	794.31	6968.	1.48	4710.	359.	5.79	0.0450	22.	18.	0.07
MILE	58.80	793.90	4998.	0.88	5704.	353.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.87	5034.	0.80	6310.	394.	5.99	0.0200	20.	19.	0.04
MILE	55.00	793.84	5069.	0.79	6415.	456.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.82	5093.	0.58	8811.	561.	5.96	0.0200	21.	21.	0.03
MILE	51.00	793.81	5123.	0.54	9539.	912.	6.09	0.0200	25.	25.	0.03
MILE	48.30	793.79	5195.	0.41	12769.	1609.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.78	5159.	0.34	15349.	1800.	6.70	0.0200	22.	32.	0.02
MILE	44.10	793.78	5188.	0.19	27344.	1495.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.78	5189.	0.37	14181.	1352.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.77	5224.	0.28	18444.	1319.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.75	5249.	0.29	17877.	1341.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.75	5255.	0.17	31409.	1110.	7.21	0.0280	16.	42.	0.01
MILE	36.00	793.74	5266.	0.27	19503.	893.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.74	5286.	0.18	29728.	1215.	9.59	0.0280	12.	45.	0.01

MILE	33.60	793.74	5310.	0.09	61221.	2122.	8.06	0.0290	16.	51.	0.00
MILE	31.50	793.74	5375.	0.18	30219.	1741.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.73	5407.	0.17	31788.	875.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.73	5427.	0.15	35484.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.73	5452.	0.15	36835.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5472.	0.12	45668.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5486.	0.15	37565.	1073.	11.38	0.0230	22.	64.	0.00

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1696.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6769.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6790.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6813.	3.00	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.04	6840.	2.34	2927.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.39	6869.	2.73	2516.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.43	6901.	2.57	2681.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.07	6939.	2.49	2786.	401.	3.69	0.0320	22.	9.	0.17
MILE	63.00	795.15	6977.	1.82	3832.	362.	4.82	0.0400	22.	14.	0.10
MILE	60.90	794.30	7021.	1.49	4704.	359.	5.78	0.0450	22.	18.	0.07
MILE	58.80	793.87	5064.	0.89	5695.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.85	5096.	0.81	6301.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.82	5137.	0.80	6409.	456.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.81	5191.	0.59	8801.	561.	5.96	0.0200	21.	21.	0.03
MILE	51.00	793.79	5274.	0.55	9530.	911.	6.08	0.0200	25.	25.	0.03
MILE	48.30	793.78	5395.	0.42	12754.	1608.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.77	5581.	0.36	15336.	1800.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.76	5734.	0.21	27327.	1494.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.76	5750.	0.41	14173.	1352.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.75	5842.	0.32	18428.	1319.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.74	5981.	0.33	17866.	1340.	7.83	0.0230	26.	43.	0.02
MILE	37.00	793.73	6088.	0.19	31388.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.73	6128.	0.31	19493.	893.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.73	6176.	0.21	29717.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.73	6212.	0.10	61194.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.73	6293.	0.21	30212.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.73	6327.	0.20	31782.	874.	9.86	0.0200	13.	53.	0.01
MILE	29.00	793.72	6347.	0.18	35479.	1044.	10.73	0.0200	15.	54.	0.01
MILE	27.30	793.72	6377.	0.17	36833.	1044.	11.13	0.0230	20.	57.	0.01
MILE	25.20	793.72	6406.	0.14	45667.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	6430.	0.17	37565.	1073.	11.38	0.0230	22.	64.	0.01

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1696.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6770.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6791.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6812.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6834.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6857.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6882.	2.57	2675.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.05	6917.	2.49	2779.	400.	3.68	0.0320	22.	9.	0.17
MILE	63.00	795.13	6966.	1.82	3825.	361.	4.82	0.0400	22.	14.	0.10
MILE	60.90	794.27	7019.	1.49	4696.	358.	5.78	0.0450	22.	18.	0.07
MILE	58.80	793.85	5076.	0.89	5685.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.82	5135.	0.82	6289.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.79	5206.	0.81	6397.	455.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.77	5272.	0.60	8782.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5356.	0.56	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.74	5535.	0.44	12720.	1606.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.74	5706.	0.37	15310.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5844.	0.21	27296.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5857.	0.41	14160.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5952.	0.32	18399.	1318.	6.16	0.0300	24.	44.	0.02
MILE	39.10	793.72	6082.	0.34	17850.	1340.	7.83	0.0230	26.	43.	0.02
MILE	37.00	793.72	6149.	0.20	31363.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	6174.	0.32	19481.	892.	8.31	0.0280	12.	45.	0.01
MILE	34.60	793.72	6206.	0.21	29705.	1214.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	6231.	0.10	61163.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	6293.	0.21	30203.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	6322.	0.20	31773.	874.	9.86	0.0200	13.	53.	0.01
MILE	29.00	793.72	6340.	0.18	35472.	1044.	10.73	0.0200	15.	54.	0.01
MILE	27.30	793.72	6367.	0.17	36828.	1044.	11.13	0.0230	20.	57.	0.01
MILE	25.20	793.72	6393.	0.14	45665.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	6412.	0.17	37565.	1073.	11.38	0.0230	22.	64.	0.01

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TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1696.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6770.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6791.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6811.	3.01	2266.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6832.	2.34	2924.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6853.	2.73	2512.	352.	3.17	0.0340	22.	7.	0.18

MILE	67.20	800.42	6875.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.03	6906.	2.49	2771.	399.	3.68	0.0320	22.	9.	0.17
MILE	63.00	795.11	6959.	1.82	3815.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.24	7016.	1.50	4685.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.81	5073.	0.89	5673.	352.	6.11	0.0400	-1980.	21.	0.04
MILE	57.00	793.79	5114.	0.81	6275.	393.	5.97	0.0200	20.	19.	0.04
MILE	55.00	793.76	5156.	0.81	6387.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.75	5201.	0.59	8766.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.74	5265.	0.55	9503.	909.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.72	5369.	0.42	12698.	1605.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.72	5430.	0.36	15296.	1797.	6.68	0.0200	22.	32.	0.02
MILE	44.10	793.72	5503.	0.20	27278.	1492.	7.99	0.0300	13.	39.	0.01
MILE	43.70	793.72	5509.	0.39	14152.	1350.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.72	5563.	0.30	18384.	1317.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.71	5600.	0.31	17844.	1339.	7.83	0.0230	26.	43.	0.02
MILE	37.00	793.71	5623.	0.18	31353.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.71	5633.	0.29	19477.	892.	8.31	0.0280	12.	45.	0.01
MILE	34.60	793.71	5646.	0.19	29701.	1214.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.71	5657.	0.09	61153.	2120.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.71	5676.	0.19	30200.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.71	5690.	0.18	31771.	874.	9.85	0.0200	13.	53.	0.01
MILE	29.00	793.72	5700.	0.16	35470.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5716.	0.16	36826.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5733.	0.13	45664.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5750.	0.15	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-29-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6770.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6790.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6810.	3.01	2266.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6830.	2.34	2924.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6851.	2.73	2511.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.41	6872.	2.57	2670.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.01	6901.	2.50	2764.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.09	6942.	1.82	3808.	358.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.23	6978.	1.49	4680.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.81	4998.	0.88	5671.	351.	6.11	0.0400	-1980.	21.	0.04
MILE	57.00	793.78	5011.	0.80	6273.	393.	5.97	0.0200	20.	19.	0.04
MILE	55.00	793.76	5028.	0.79	6385.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.75	5042.	0.58	8764.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.73	5048.	0.53	9502.	909.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.72	5033.	0.40	12698.	1605.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.72	5030.	0.33	15295.	1797.	6.68	0.0200	22.	32.	0.02

MILE	44.10	793.72	5011.	0.18	27277.	1492.	7.99	0.0300	13.	39.	0.01
MILE	43.70	793.72	5006.	0.35	14152.	1350.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.72	5006.	0.27	18386.	1317.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.71	4999.	0.28	17846.	1339.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.71	5009.	0.16	31356.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.71	5014.	0.26	19479.	892.	8.31	0.0280	12.	45.	0.01
MILE	34.60	793.71	5023.	0.17	29703.	1214.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5028.	0.08	61157.	2120.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5030.	0.17	30202.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5037.	0.16	31772.	874.	9.85	0.0200	13.	53.	0.00
MILE	29.00	793.72	5043.	0.14	35472.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5054.	0.14	36827.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5071.	0.11	45664.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5091.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-29-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6770.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6789.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6809.	3.01	2266.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6830.	2.34	2923.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6851.	2.73	2511.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.41	6874.	2.57	2670.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.01	6898.	2.50	2762.	398.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.09	6920.	1.82	3808.	358.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.23	6931.	1.48	4683.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.82	4934.	0.87	5676.	352.	6.11	0.0400	-1980.	21.	0.04
MILE	57.00	793.80	4936.	0.79	6279.	393.	5.97	0.0200	20.	19.	0.03
MILE	55.00	793.77	4933.	0.77	6391.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.76	4926.	0.56	8774.	560.	5.95	0.0200	21.	20.	0.02
MILE	51.00	793.75	4907.	0.52	9509.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.74	4858.	0.38	12713.	1606.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.73	4801.	0.31	15307.	1797.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.73	4748.	0.17	27291.	1493.	7.99	0.0300	13.	39.	0.01
MILE	43.70	793.73	4740.	0.33	14158.	1350.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	4721.	0.26	18397.	1317.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.72	4687.	0.26	17853.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	4679.	0.15	31367.	1109.	7.20	0.0280	16.	42.	0.00
MILE	36.00	793.72	4675.	0.24	19484.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	4674.	0.16	29708.	1214.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	4668.	0.08	61171.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	4649.	0.15	30205.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	4652.	0.15	31776.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	4659.	0.13	35474.	1044.	10.73	0.0200	15.	54.	0.00

MILE	27.30	793.72	4672.	0.13	36829.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	4693.	0.10	45665.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	4715.	0.13	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-29-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.97	1698.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6770.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6790.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6811.	3.01	2266.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6832.	2.34	2924.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6854.	2.73	2512.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.41	6877.	2.57	2671.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.01	6897.	2.50	2764.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.09	6907.	1.81	3811.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6912.	1.47	4688.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4915.	0.86	5683.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.82	4916.	0.78	6288.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	4916.	0.77	6398.	455.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.78	4912.	0.56	8784.	560.	5.95	0.0200	21.	20.	0.02
MILE	51.00	793.77	4899.	0.51	9518.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	4859.	0.38	12730.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.75	4802.	0.31	15320.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.75	4761.	0.17	27307.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.75	4758.	0.34	14165.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.74	4748.	0.26	18412.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	4732.	0.26	17861.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.73	4725.	0.15	31380.	1109.	7.20	0.0280	16.	42.	0.00
MILE	36.00	793.73	4724.	0.24	19490.	893.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.73	4728.	0.16	29715.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.73	4734.	0.08	61187.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	4742.	0.16	30210.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	4753.	0.15	31780.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	4762.	0.13	35477.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	4776.	0.13	36831.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	4795.	0.11	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	4815.	0.13	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-29-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.96	6749.	3.97	1698.	334.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6792.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2266.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2924.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6879.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6898.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.11	6907.	1.81	3815.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.26	6915.	1.47	4693.	358.	5.78	0.0450	22.	18.	0.07
MILE	58.80	793.85	4924.	0.87	5688.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.83	4933.	0.78	6293.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.80	4944.	0.77	6402.	455.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.79	4956.	0.56	8791.	561.	5.95	0.0200	21.	21.	0.03
MILE	51.00	793.78	4967.	0.52	9523.	911.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.76	4967.	0.39	12740.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.76	4983.	0.33	15326.	1799.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.75	4992.	0.18	27315.	1494.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.75	4997.	0.35	14168.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.75	5005.	0.27	18418.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5030.	0.28	17863.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.73	5065.	0.16	31384.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.73	5078.	0.26	19491.	893.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.73	5096.	0.17	29716.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.73	5109.	0.08	61190.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.73	5129.	0.17	30211.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5143.	0.16	31781.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5155.	0.15	35479.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5174.	0.14	36832.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5199.	0.11	45667.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5226.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-29-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1698.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6794.	3.00	2262.	279.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6816.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6838.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6860.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6881.	2.57	2673.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.03	6900.	2.49	2769.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.11	6914.	1.81	3817.	360.	4.82	0.0400	22.	14.	0.10
MILE	60.90	794.27	6933.	1.48	4694.	358.	5.78	0.0450	22.	18.	0.07

MILE	58.80	793.86	4957.	0.87	5688.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.83	4982.	0.79	6293.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.80	5011.	0.78	6402.	455.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.79	5039.	0.57	8790.	560.	5.95	0.0200	21.	21.	0.03
MILE	51.00	793.77	5072.	0.53	9522.	911.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.76	5137.	0.40	12736.	1607.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.75	5190.	0.34	15323.	1799.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.75	5237.	0.19	27312.	1494.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.75	5249.	0.37	14167.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.74	5286.	0.29	18415.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5352.	0.30	17861.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.73	5383.	0.17	31380.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.73	5394.	0.28	19490.	893.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.73	5415.	0.18	29714.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.73	5433.	0.09	61186.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5475.	0.18	30209.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5499.	0.17	31779.	874.	9.86	0.0200	13.	53.	0.01
MILE	29.00	793.72	5515.	0.16	35477.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5539.	0.15	36831.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5563.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5583.	0.15	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-29-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6772.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.34	6794.	3.00	2262.	279.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6817.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6839.	2.34	2926.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6861.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6882.	2.57	2673.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.03	6902.	2.49	2770.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.11	6926.	1.81	3817.	359.	4.82	0.0400	22.	14.	0.10
MILE	60.90	794.26	6955.	1.48	4692.	358.	5.78	0.0450	22.	18.	0.07
MILE	58.80	793.84	4990.	0.88	5684.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.82	5019.	0.80	6288.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.79	5053.	0.79	6398.	455.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.78	5088.	0.58	8784.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5136.	0.54	9517.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5211.	0.41	12727.	1607.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.74	5277.	0.34	15316.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5346.	0.20	27303.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5359.	0.38	14163.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.74	5399.	0.29	18407.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5457.	0.31	17856.	1340.	7.83	0.0230	26.	43.	0.01

MILE	37.00	793.72	5501.	0.18	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5519.	0.28	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5542.	0.19	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5561.	0.09	61176.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5597.	0.19	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5615.	0.18	31777.	874.	9.86	0.0200	13.	53.	0.01
MILE	29.00	793.72	5628.	0.16	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5648.	0.15	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5670.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5693.	0.15	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-29-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6794.	3.00	2262.	279.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6816.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6838.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6859.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6881.	2.57	2673.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.03	6903.	2.49	2768.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.11	6932.	1.82	3815.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6964.	1.49	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.83	4995.	0.88	5680.	352.	6.11	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	5022.	0.80	6284.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.78	5055.	0.79	6394.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5086.	0.58	8778.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5123.	0.54	9512.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.74	5181.	0.41	12718.	1606.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.74	5239.	0.34	15310.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5281.	0.19	27295.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.73	5290.	0.37	14160.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5319.	0.29	18400.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.72	5372.	0.30	17853.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5400.	0.17	31367.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5413.	0.28	19484.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5430.	0.18	29708.	1214.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5443.	0.09	61170.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5471.	0.18	30205.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5488.	0.17	31775.	874.	9.86	0.0200	13.	53.	0.01
MILE	29.00	793.72	5501.	0.16	35474.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5520.	0.15	36829.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5542.	0.12	45665.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5562.	0.15	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-29-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6903.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6931.	1.82	3813.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6958.	1.48	4687.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.83	4984.	0.88	5679.	352.	6.11	0.0400	-1980.	21.	0.04
MILE	57.00	793.80	5005.	0.80	6282.	393.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.78	5027.	0.79	6393.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.76	5047.	0.58	8776.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.75	5071.	0.53	9511.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.74	5103.	0.40	12715.	1606.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.74	5117.	0.33	15308.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.73	5140.	0.19	27292.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.73	5145.	0.36	14159.	1350.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5161.	0.28	18398.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.72	5182.	0.29	17852.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5201.	0.17	31366.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5210.	0.27	19483.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5223.	0.18	29707.	1214.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5230.	0.09	61169.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5246.	0.17	30205.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5257.	0.17	31775.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5268.	0.15	35474.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5283.	0.14	36829.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5304.	0.12	45665.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5325.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-29-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6770.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6792.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19

MILE	73.50	811.18	6813.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6835.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6857.	2.73	2512.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6879.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6902.	2.50	2766.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6926.	1.82	3812.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6947.	1.48	4687.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.83	4965.	0.87	5679.	352.	6.11	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4979.	0.79	6283.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.78	4994.	0.78	6394.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5008.	0.57	8777.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5019.	0.53	9512.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.74	5022.	0.39	12718.	1606.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5023.	0.33	15310.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5021.	0.18	27295.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5022.	0.35	14160.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5027.	0.27	18402.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.72	5040.	0.28	17854.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5049.	0.16	31370.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5055.	0.26	19485.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5065.	0.17	29709.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5071.	0.08	61174.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5084.	0.17	30206.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5095.	0.16	31776.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5105.	0.14	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5120.	0.14	36829.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5140.	0.11	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5161.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-29-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6770.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6792.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6813.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6835.	2.34	2924.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6857.	2.73	2512.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6879.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.50	2766.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6921.	1.82	3813.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6937.	1.48	4688.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4952.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4964.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	4977.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	4988.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03

MILE	51.00	793.76	4997.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	4999.	0.39	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	4995.	0.33	15315.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	4996.	0.18	27301.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	4996.	0.35	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5001.	0.27	18406.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5012.	0.28	17857.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.73	5028.	0.16	31374.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5037.	0.26	19487.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5048.	0.17	29711.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5055.	0.08	61178.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5067.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5078.	0.16	31778.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5088.	0.14	35476.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5103.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5125.	0.11	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5149.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

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TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1698.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6792.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6835.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6857.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6879.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6918.	1.81	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.26	6935.	1.48	4690.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4952.	0.87	5684.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.82	4967.	0.79	6288.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	4983.	0.78	6398.	455.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.78	4998.	0.57	8784.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.77	5013.	0.53	9517.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5029.	0.40	12728.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.75	5040.	0.33	15318.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.75	5051.	0.18	27304.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5053.	0.36	14164.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.74	5067.	0.28	18409.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5095.	0.29	17858.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.73	5110.	0.16	31376.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5119.	0.26	19488.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5133.	0.17	29712.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5142.	0.08	61181.	2121.	8.05	0.0290	16.	51.	0.00

MILE	31.50	793.72	5165.	0.17	30208.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5180.	0.16	31778.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5192.	0.15	35476.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5210.	0.14	36831.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5232.	0.11	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5254.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-29-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1698.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6815.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2768.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.11	6920.	1.81	3815.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.26	6940.	1.48	4691.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4961.	0.87	5684.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.82	4980.	0.79	6288.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5001.	0.78	6398.	455.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.78	5022.	0.57	8784.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.77	5046.	0.53	9517.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5079.	0.40	12728.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.75	5106.	0.33	15318.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.75	5136.	0.19	27305.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5140.	0.36	14164.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.74	5162.	0.28	18409.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5195.	0.29	17858.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.73	5223.	0.17	31376.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5237.	0.27	19488.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5254.	0.18	29712.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5266.	0.09	61180.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5292.	0.18	30208.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5307.	0.17	31778.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5318.	0.15	35476.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5336.	0.14	36831.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5359.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5382.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-29-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6815.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6837.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6859.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2768.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.11	6923.	1.81	3815.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.26	6946.	1.48	4690.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4971.	0.87	5683.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.82	4993.	0.79	6287.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.79	5018.	0.78	6397.	455.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.78	5042.	0.57	8783.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5070.	0.53	9516.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5113.	0.40	12726.	1607.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.74	5152.	0.34	15316.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5186.	0.19	27302.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5191.	0.37	14163.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.74	5216.	0.28	18407.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5261.	0.29	17857.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.73	5286.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5299.	0.27	19487.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5315.	0.18	29711.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5328.	0.09	61178.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5357.	0.18	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5373.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5387.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5406.	0.15	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5428.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5450.	0.15	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6815.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6837.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18

MILE	65.10	796.02	6902.	2.49	2768.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6925.	1.82	3815.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6950.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4976.	0.88	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4998.	0.80	6286.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.79	5023.	0.79	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5046.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5075.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5117.	0.40	12723.	1607.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.74	5149.	0.34	15313.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5184.	0.19	27299.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5189.	0.37	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5213.	0.28	18404.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.72	5249.	0.29	17855.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5275.	0.17	31371.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5288.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5304.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5316.	0.09	61175.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5341.	0.18	30206.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5356.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5367.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5385.	0.15	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5407.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5429.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6815.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6902.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6926.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6950.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4974.	0.88	5681.	352.	6.11	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4994.	0.79	6285.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.78	5016.	0.78	6395.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5038.	0.57	8780.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5062.	0.53	9514.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5092.	0.40	12721.	1607.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.74	5119.	0.33	15312.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5142.	0.19	27298.	1493.	8.00	0.0300	13.	39.	0.01

MILE	43.70	793.74	5146.	0.36	14161.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5164.	0.28	18403.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.72	5196.	0.29	17855.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5217.	0.17	31370.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5227.	0.27	19485.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5241.	0.18	29709.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5251.	0.09	61174.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5273.	0.17	30206.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5287.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5299.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5316.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5337.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5359.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6792.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6879.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6902.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6925.	1.82	3813.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6947.	1.48	4688.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4968.	0.87	5681.	352.	6.11	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4986.	0.79	6285.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.78	5006.	0.78	6395.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5024.	0.57	8780.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5043.	0.53	9514.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5066.	0.40	12721.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5081.	0.33	15313.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5098.	0.19	27298.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5102.	0.36	14161.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5116.	0.28	18404.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.72	5140.	0.29	17855.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5159.	0.16	31371.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5169.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5182.	0.17	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5192.	0.08	61175.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5210.	0.17	30206.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5223.	0.16	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5234.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5250.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00

MILE	25.20	793.72	5272.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5294.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6792.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6857.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6879.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6943.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4963.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4980.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	4998.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5015.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5033.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5051.	0.40	12723.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5065.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5078.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5082.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5095.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5120.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5137.	0.16	31372.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5146.	0.26	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5159.	0.17	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5168.	0.08	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5187.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5201.	0.16	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5213.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5230.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5251.	0.11	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5273.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6792.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6922.	1.81	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6942.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4962.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4979.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	4997.	0.78	6397.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5015.	0.57	8782.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5034.	0.53	9516.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5056.	0.40	12725.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5072.	0.33	15315.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5090.	0.19	27301.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5094.	0.36	14163.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.74	5108.	0.28	18406.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5134.	0.29	17857.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.73	5156.	0.16	31374.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5166.	0.27	19487.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5180.	0.17	29711.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5190.	0.08	61178.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5210.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5224.	0.16	31778.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5235.	0.15	35476.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5252.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5274.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5296.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6922.	1.81	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6943.	1.48	4690.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4964.	0.87	5683.	352.	6.12	0.0400	-1980.	21.	0.04

MILE	57.00	793.81	4982.	0.79	6287.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5002.	0.78	6397.	455.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.78	5022.	0.57	8782.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5043.	0.53	9516.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5071.	0.40	12725.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5094.	0.33	15315.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5115.	0.19	27302.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5119.	0.36	14163.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.74	5137.	0.28	18407.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5170.	0.29	17857.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.73	5191.	0.17	31374.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5201.	0.27	19487.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5216.	0.18	29711.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5227.	0.09	61178.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5265.	0.17	31778.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5277.	0.15	35476.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5295.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5317.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5339.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6815.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.81	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4690.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5683.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4987.	0.79	6287.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5008.	0.78	6397.	455.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.78	5029.	0.57	8782.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5053.	0.53	9516.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5085.	0.40	12725.	1607.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.74	5111.	0.33	15315.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5137.	0.19	27301.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5142.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5162.	0.28	18406.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5194.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5219.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01

MILE	36.00	793.72	5230.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5245.	0.18	29711.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5257.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5280.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5295.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5307.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5324.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5347.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5369.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6815.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6924.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6946.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4969.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4989.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.79	5011.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5033.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5057.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5089.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.74	5116.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5142.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5146.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5166.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5200.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5223.	0.17	31372.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5234.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5249.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5260.	0.09	61176.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5283.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5298.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5310.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5328.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5350.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5371.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6902.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6924.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6947.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4970.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4989.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.79	5010.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5031.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5054.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5085.	0.40	12723.	1607.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.74	5108.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5132.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5136.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5155.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.72	5185.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5208.	0.17	31372.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5218.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5233.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5244.	0.09	61176.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5265.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5280.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5291.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5309.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5330.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5352.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17

MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6902.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6924.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6946.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4968.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4986.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5007.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5027.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5075.	0.40	12723.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5096.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5117.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5120.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5137.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.72	5167.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5187.	0.17	31372.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5197.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5212.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5222.	0.09	61176.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5242.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5257.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5268.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5286.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5307.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5329.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6792.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4966.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4984.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5004.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5023.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5043.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03

MILE	48.30	793.75	5069.	0.40	12723.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5088.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5107.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5111.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5127.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5155.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5176.	0.16	31372.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5186.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5200.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5210.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5231.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5245.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5256.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5273.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5295.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5317.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6792.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6944.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4965.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4983.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5003.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5022.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5043.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5068.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5088.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5108.	0.19	27301.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5111.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5128.	0.28	18406.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5157.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5178.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5188.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5202.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5212.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5233.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01

MILE	30.10	793.72	5248.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5259.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5277.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5299.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5320.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6944.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4965.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4984.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5004.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5024.	0.57	8782.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5045.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5073.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5094.	0.33	15315.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5115.	0.19	27301.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5119.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5137.	0.28	18406.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5166.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5189.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5199.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5213.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5224.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5246.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5260.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5272.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5289.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5311.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5333.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

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TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8782.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5077.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5100.	0.33	15315.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5123.	0.19	27301.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5127.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5145.	0.28	18406.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5177.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5199.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5209.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5224.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5235.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5257.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5272.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5283.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5301.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5323.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5345.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17

MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4986.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5008.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5028.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5050.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5080.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.74	5103.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5127.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5131.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5149.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5180.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5203.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5213.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5228.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5239.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5261.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5276.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5287.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5305.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5327.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5349.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6946.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4968.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4987.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5008.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5028.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5050.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5079.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5102.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5125.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5129.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02

MILE	42.00	793.73	5147.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5178.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5200.	0.17	31372.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5210.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5225.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5235.	0.09	61176.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5257.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5272.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5283.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5301.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5323.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5344.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4986.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5007.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5027.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5077.	0.40	12723.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5098.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5120.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5124.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5142.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31372.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5204.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61176.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00

MILE 23.10 793.72 5337. 0.14 37565. 1073. 11.38 0.0230 22. 64. 0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5025.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5047.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5074.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5095.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5116.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5120.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5137.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5167.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5188.	0.17	31372.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5199.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5213.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5223.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5245.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5259.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5270.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5288.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5310.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5331.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31

MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4966.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5005.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5025.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5046.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5073.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5094.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5115.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5119.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5136.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5166.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5187.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5198.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5212.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5222.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5244.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5258.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5269.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5287.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5309.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5331.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4966.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03

MILE	55.00	793.79	5005.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5025.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5047.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5074.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5096.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5117.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5121.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5139.	0.28	18406.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5168.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5190.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5200.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5215.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5225.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5247.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5262.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5273.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5291.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5312.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5334.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5098.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5120.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5124.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5142.	0.28	18406.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5172.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5194.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5204.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01

MILE	34.60	793.72	5219.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5229.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5251.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5266.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5277.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5295.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5317.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5338.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4986.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5007.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5077.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5099.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5121.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5126.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5143.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5174.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5196.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5206.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5221.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5232.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5253.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5268.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5279.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5297.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5319.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5341.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4986.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5007.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5027.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5049.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5077.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5099.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5121.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5126.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5143.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5174.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5196.	0.17	31372.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5206.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5221.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5231.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5253.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5268.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5279.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5297.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5318.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5340.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 4-30-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13

MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4986.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5007.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5098.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5120.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5124.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5142.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5172.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5194.	0.17	31372.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5204.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5229.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5251.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5265.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5294.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5316.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5338.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5075.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02

MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5140.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5170.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5192.	0.17	31372.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5202.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5216.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5227.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5249.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5263.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5274.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5292.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5314.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5336.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5047.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5075.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5096.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5118.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5122.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5140.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5169.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5191.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5201.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5216.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5226.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5248.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5262.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00

MILE	29.00	793.72	5274.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5291.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5313.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5335.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5047.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5075.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5118.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5122.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5140.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5170.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5192.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5202.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5217.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5227.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5248.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5263.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5274.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5292.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5314.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5336.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5265.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5294.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17

MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5098.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5120.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5124.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5142.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5172.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5194.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5204.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5219.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5229.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5251.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5265.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5277.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5294.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5316.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5338.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4986.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5098.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5120.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5124.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02

MILE	42.00	793.73	5142.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5172.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5194.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5204.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5219.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5229.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5251.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5266.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5277.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5295.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5316.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5338.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4986.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5098.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5120.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5124.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5172.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31372.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5204.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5229.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5265.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5294.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5316.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00

MILE 23.10 793.72 5338. 0.14 37565. 1073. 11.38 0.0230 22. 64. 0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31372.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31

MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5075.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5192.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5217.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5249.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5275.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5314.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5336.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03

MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5075.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5192.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5217.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5249.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5275.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5336.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01

MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5098.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5265.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5294.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5316.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5098.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5124.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5204.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5265.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5294.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5316.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13

MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5098.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5124.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5265.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5294.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02

MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00

MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5217.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17

MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874:	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02

MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5265.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5294.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5098.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5294.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00

MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31

MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-01-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03

MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01

MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5294.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13

MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02

MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00

MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17

MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02

MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00

MILE 23.10 793.72 5337. 0.14 37565. 1073. 11.38 0.0230 22. 64. 0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31

MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03

MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01

MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13

MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02

MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00

MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17

MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-02-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02

MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00

MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6749.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5119.	0.19	27300.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5123.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	5141.	0.28	18405.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	5171.	0.29	17856.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.72	5193.	0.17	31373.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.72	5203.	0.27	19486.	892.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.72	5218.	0.18	29710.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.72	5228.	0.09	61177.	2121.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.72	5250.	0.17	30207.	1740.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.72	5264.	0.17	31777.	874.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.72	5276.	0.15	35475.	1044.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.72	5293.	0.14	36830.	1044.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.72	5315.	0.12	45666.	1042.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.72	5337.	0.14	37565.	1073.	11.38	0.0230	22.	64.	0.00

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6744.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31

MILE	77.70	821.27	6766.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6790.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6813.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4967.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4985.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	5006.	0.78	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5026.	0.57	8781.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5048.	0.53	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5076.	0.40	12724.	1607.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.74	5097.	0.33	15314.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5114.	0.19	27301.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5115.	0.36	14162.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.74	5104.	0.28	18407.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.73	4975.	0.28	17863.	1340.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.74	4811.	0.15	31395.	1110.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.74	4752.	0.24	19499.	893.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.74	4671.	0.16	29730.	1215.	9.60	0.0280	12.	45.	0.01
MILE	33.60	793.74	4578.	0.07	61232.	2122.	8.06	0.0290	16.	51.	0.00
MILE	31.50	793.75	4338.	0.14	30228.	1741.	10.34	0.0250	18.	55.	0.01
MILE	30.10	793.75	4241.	0.13	31805.	875.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.75	4178.	0.12	35504.	1045.	10.74	0.0200	15.	54.	0.00
MILE	27.30	793.75	4053.	0.11	36861.	1045.	11.14	0.0230	20.	57.	0.00
MILE	25.20	793.76	3915.	0.09	45705.	1043.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.76	3814.	0.10	37603.	1074.	11.39	0.0230	22.	64.	0.00

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6753.	3.98	1698.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6774.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6793.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6813.	3.01	2266.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6834.	2.34	2924.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6857.	2.73	2512.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6879.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2767.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6923.	1.82	3814.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6945.	1.48	4689.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4966.	0.87	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4981.	0.79	6286.	394.	5.98	0.0200	20.	19.	0.03

MILE	55.00	793.79	4990.	0.78	6397.	455.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.78	4980.	0.57	8785.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.77	4920.	0.52	9521.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.77	4680.	0.37	12749.	1608.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.77	4443.	0.29	15340.	1800.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.78	4204.	0.15	27341.	1495.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.78	4163.	0.29	14181.	1352.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.78	3964.	0.21	18460.	1320.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.79	3454.	0.19	17912.	1343.	7.84	0.0230	26.	43.	0.01
MILE	37.00	793.81	3039.	0.10	31504.	1112.	7.22	0.0280	16.	43.	0.00
MILE	36.00	793.81	2892.	0.15	19556.	895.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.82	2687.	0.09	29805.	1219.	9.61	0.0280	12.	45.	0.00
MILE	33.60	793.82	2439.	0.04	61440.	2128.	8.07	0.0290	16.	51.	0.00
MILE	31.50	793.83	1777.	0.06	30303.	1746.	10.35	0.0250	18.	55.	0.00
MILE	30.10	793.83	1511.	0.05	31894.	878.	9.88	0.0200	13.	53.	0.00
MILE	29.00	793.84	1346.	0.04	35592.	1048.	10.75	0.0200	15.	54.	0.00
MILE	27.30	793.84	1036.	0.03	36951.	1048.	11.15	0.0230	20.	57.	0.00
MILE	25.20	793.85	680.	0.01	45810.	1047.	11.98	0.0230	22.	59.	0.00
MILE	23.10	793.86	410.	0.01	37697.	1078.	11.41	0.0230	22.	64.	0.00

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.96	6759.	3.98	1699.	334.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.28	6780.	2.89	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6799.	3.00	2263.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.18	6818.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6837.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6857.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6879.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.02	6901.	2.49	2768.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.11	6906.	1.81	3818.	360.	4.82	0.0400	22.	14.	0.10
MILE	60.90	794.28	6871.	1.46	4699.	359.	5.78	0.0450	22.	18.	0.07
MILE	58.80	793.89	4799.	0.84	5702.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.87	4733.	0.75	6312.	394.	5.99	0.0200	20.	19.	0.03
MILE	55.00	793.86	4640.	0.72	6422.	456.	6.48	0.0200	20.	20.	0.03
MILE	53.10	793.85	4502.	0.51	8829.	562.	5.97	0.0200	21.	21.	0.02
MILE	51.00	793.86	4221.	0.44	9563.	913.	6.09	0.0200	25.	25.	0.02
MILE	48.30	793.87	3490.	0.27	12855.	1613.	4.91	0.0200	25.	25.	0.02
MILE	46.20	793.88	2769.	0.18	15432.	1806.	6.71	0.0200	22.	32.	0.01
MILE	44.10	793.88	2109.	0.08	27470.	1500.	8.02	0.0300	13.	39.	0.00
MILE	43.70	793.88	2023.	0.14	14237.	1358.	8.24	0.0300	11.	41.	0.01
MILE	42.00	793.88	1824.	0.10	18585.	1325.	6.16	0.0300	24.	44.	0.00
MILE	39.10	793.85	2364.	0.13	17957.	1346.	7.84	0.0230	26.	43.	0.01
MILE	37.00	793.82	3282.	0.10	31523.	1113.	7.22	0.0280	16.	43.	0.00
MILE	36.00	793.81	3644.	0.19	19552.	895.	8.32	0.0280	12.	45.	0.01

MILE	34.60	793.79	4146.	0.14	29776.	1217.	9.60	0.0280	12.	45.	0.00
MILE	33.60	793.78	4651.	0.08	61336.	2125.	8.06	0.0290	16.	51.	0.00
MILE	31.50	793.76	5844.	0.19	30245.	1743.	10.34	0.0250	18.	55.	0.01
MILE	30.10	793.75	6385.	0.20	31808.	875.	9.86	0.0200	13.	53.	0.01
MILE	29.00	793.74	6775.	0.19	35495.	1045.	10.74	0.0200	15.	54.	0.01
MILE	27.30	793.72	7549.	0.20	36832.	1044.	11.13	0.0230	20.	57.	0.01
MILE	25.20	793.70	8401.	0.18	45640.	1041.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.67	9020.	0.24	37518.	1071.	11.38	0.0230	22.	64.	0.01

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.96	6764.	3.98	1700.	334.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.28	6785.	2.90	2344.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6805.	3.01	2264.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.18	6824.	3.01	2268.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6844.	2.34	2926.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.39	6865.	2.73	2514.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6888.	2.58	2675.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.05	6902.	2.48	2780.	400.	3.68	0.0320	22.	9.	0.17
MILE	63.00	795.18	6835.	1.78	3841.	363.	4.83	0.0400	22.	14.	0.10
MILE	60.90	794.41	6681.	1.41	4741.	360.	5.81	0.0450	22.	18.	0.07
MILE	58.80	794.06	4476.	0.78	5764.	355.	6.14	0.0400	-1980.	21.	0.03
MILE	57.00	794.04	4325.	0.68	6383.	397.	6.03	0.0200	20.	19.	0.03
MILE	55.00	794.01	4201.	0.65	6480.	459.	6.51	0.0200	20.	21.	0.03
MILE	53.10	793.98	4211.	0.47	8907.	564.	5.99	0.0200	21.	21.	0.02
MILE	51.00	793.93	4493.	0.47	9603.	916.	6.10	0.0200	25.	25.	0.03
MILE	48.30	793.85	5753.	0.45	12839.	1612.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.82	6690.	0.44	15380.	1803.	6.70	0.0200	22.	32.	0.03
MILE	44.10	793.79	7607.	0.28	27353.	1495.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.78	7744.	0.55	14181.	1352.	8.25	0.0300	11.	41.	0.03
MILE	42.00	793.74	8235.	0.45	18406.	1318.	6.16	0.0300	24.	44.	0.02
MILE	39.10	793.70	8291.	0.46	17837.	1339.	7.83	0.0230	26.	43.	0.02
MILE	37.00	793.73	7338.	0.23	31375.	1109.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.73	6949.	0.36	19491.	893.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.73	6434.	0.22	29722.	1215.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.74	6002.	0.10	61216.	2122.	8.06	0.0290	16.	51.	0.00
MILE	31.50	793.75	5156.	0.17	30229.	1741.	10.34	0.0250	18.	55.	0.01
MILE	30.10	793.75	4732.	0.15	31811.	875.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.76	4394.	0.12	35513.	1045.	10.74	0.0200	15.	54.	0.00
MILE	27.30	793.77	3699.	0.10	36876.	1046.	11.14	0.0230	20.	57.	0.00
MILE	25.20	793.79	3009.	0.07	45741.	1044.	11.97	0.0230	22.	59.	0.00
MILE	23.10	793.82	2435.	0.06	37659.	1076.	11.40	0.0230	22.	64.	0.00

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6754.	3.98	1698.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.28	6777.	2.89	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6804.	3.00	2264.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.19	6830.	3.01	2269.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.04	6855.	2.34	2929.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.40	6881.	2.73	2518.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.43	6903.	2.57	2681.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.11	6896.	2.46	2802.	403.	3.70	0.0320	22.	9.	0.16
MILE	63.00	795.22	6919.	1.79	3855.	365.	4.84	0.0400	22.	14.	0.10
MILE	60.90	794.34	7179.	1.52	4720.	359.	5.80	0.0450	22.	18.	0.07
MILE	58.80	793.85	5619.	0.99	5688.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	5961.	0.95	6287.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.77	6315.	0.99	6391.	455.	6.47	0.0200	20.	20.	0.05
MILE	53.10	793.76	6603.	0.75	8771.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.75	6790.	0.71	9511.	910.	6.08	0.0200	25.	24.	0.04
MILE	48.30	793.78	6123.	0.48	12760.	1608.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.80	5445.	0.35	15364.	1802.	6.70	0.0200	22.	32.	0.02
MILE	44.10	793.82	4833.	0.18	27399.	1497.	8.01	0.0300	13.	39.	0.01
MILE	43.70	793.83	4721.	0.33	14208.	1355.	8.24	0.0300	11.	41.	0.02
MILE	42.00	793.85	4172.	0.22	18550.	1323.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.87	3810.	0.21	17974.	1347.	7.84	0.0230	26.	43.	0.01
MILE	37.00	793.85	4707.	0.15	31574.	1114.	7.23	0.0280	16.	43.	0.00
MILE	36.00	793.84	5046.	0.26	19583.	896.	8.33	0.0280	12.	45.	0.01
MILE	34.60	793.84	5406.	0.18	29828.	1220.	9.61	0.0280	12.	45.	0.01
MILE	33.60	793.84	5627.	0.09	61491.	2130.	8.08	0.0290	16.	51.	0.00
MILE	31.50	793.83	5913.	0.20	30306.	1747.	10.35	0.0250	18.	55.	0.01
MILE	30.10	793.83	6029.	0.19	31886.	878.	9.88	0.0200	13.	53.	0.01
MILE	29.00	793.82	6180.	0.17	35577.	1048.	10.75	0.0200	15.	54.	0.01
MILE	27.30	793.82	6558.	0.18	36925.	1047.	11.15	0.0230	20.	57.	0.01
MILE	25.20	793.80	6928.	0.15	45747.	1045.	11.97	0.0230	22.	59.	0.00
MILE	23.10	793.76	7324.	0.19	37603.	1074.	11.39	0.0230	22.	64.	0.01

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6748.	3.98	1696.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6773.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.34	6802.	3.00	2264.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.19	6830.	3.01	2270.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.04	6855.	2.34	2930.	294.	3.72	0.0400	22.	11.	0.13

MILE	69.30	805.40	6871.	2.73	2517.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6880.	2.57	2676.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.04	6923.	2.50	2774.	400.	3.68	0.0320	22.	9.	0.17
MILE	63.00	795.10	7051.	1.85	3813.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.24	7003.	1.49	4686.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.88	4676.	0.82	5696.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.87	4417.	0.70	6310.	394.	5.99	0.0200	20.	19.	0.03
MILE	55.00	793.87	4161.	0.65	6426.	456.	6.49	0.0200	20.	20.	0.03
MILE	53.10	793.87	3923.	0.44	8840.	562.	5.97	0.0200	21.	21.	0.02
MILE	51.00	793.87	3728.	0.39	9569.	913.	6.10	0.0200	25.	25.	0.02
MILE	48.30	793.83	4388.	0.34	12812.	1611.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.81	5108.	0.33	15376.	1802.	6.70	0.0200	22.	32.	0.02
MILE	44.10	793.80	5521.	0.20	27369.	1496.	8.01	0.0300	13.	39.	0.01
MILE	43.70	793.79	5602.	0.39	14191.	1353.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.77	6046.	0.33	18452.	1320.	6.16	0.0300	24.	44.	0.02
MILE	39.10	793.74	6811.	0.38	17869.	1341.	7.83	0.0230	26.	43.	0.02
MILE	37.00	793.76	6039.	0.19	31433.	1110.	7.21	0.0280	16.	42.	0.01
MILE	36.00	793.76	5767.	0.30	19520.	894.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.77	5485.	0.18	29756.	1217.	9.60	0.0280	12.	45.	0.01
MILE	33.60	793.77	5274.	0.09	61305.	2124.	8.06	0.0290	16.	51.	0.00
MILE	31.50	793.78	4913.	0.16	30258.	1743.	10.34	0.0250	18.	55.	0.01
MILE	30.10	793.78	4833.	0.15	31844.	876.	9.87	0.0200	13.	53.	0.00
MILE	29.00	793.79	4720.	0.13	35543.	1046.	10.74	0.0200	15.	54.	0.00
MILE	27.30	793.80	4423.	0.12	36903.	1047.	11.14	0.0230	20.	57.	0.00
MILE	25.20	793.82	4160.	0.09	45774.	1046.	11.97	0.0230	22.	59.	0.00
MILE	23.10	793.85	3795.	0.10	37688.	1077.	11.40	0.0230	22.	64.	0.00

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6756.	3.98	1695.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6779.	2.89	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6799.	3.00	2263.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.18	6817.	3.01	2268.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2926.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.39	6859.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6892.	2.58	2676.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.07	6908.	2.48	2785.	401.	3.69	0.0320	22.	9.	0.17
MILE	63.00	795.19	6838.	1.78	3844.	363.	4.83	0.0400	22.	14.	0.10
MILE	60.90	794.36	6907.	1.46	4727.	359.	5.80	0.0450	22.	18.	0.07
MILE	58.80	793.92	5199.	0.91	5714.	353.	6.13	0.0400	-1980.	21.	0.04
MILE	57.00	793.89	5386.	0.85	6318.	395.	5.99	0.0200	20.	19.	0.04
MILE	55.00	793.85	5522.	0.86	6419.	456.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.82	5668.	0.64	8809.	561.	5.96	0.0200	21.	21.	0.03
MILE	51.00	793.79	5862.	0.62	9530.	911.	6.08	0.0200	25.	25.	0.03
MILE	48.30	793.79	5481.	0.43	12770.	1609.	4.92	0.0200	25.	25.	0.03

MILE	46.20	793.81	4489.	0.29	15370.	1802.	6.70	0.0200	22.	32.	0.02
MILE	44.10	793.82	4160.	0.15	27388.	1497.	8.01	0.0300	13.	39.	0.01
MILE	43.70	793.82	4094.	0.29	14202.	1354.	8.24	0.0300	11.	41.	0.02
MILE	42.00	793.83	3723.	0.20	18519.	1322.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.84	3282.	0.18	17947.	1345.	7.84	0.0230	26.	43.	0.01
MILE	37.00	793.82	4269.	0.14	31522.	1113.	7.22	0.0280	16.	43.	0.00
MILE	36.00	793.81	4643.	0.24	19554.	895.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.80	5078.	0.17	29786.	1218.	9.60	0.0280	12.	45.	0.01
MILE	33.60	793.79	5444.	0.09	61369.	2126.	8.07	0.0290	16.	51.	0.00
MILE	31.50	793.78	6205.	0.21	30263.	1744.	10.34	0.0250	18.	55.	0.01
MILE	30.10	793.77	6515.	0.20	31833.	876.	9.87	0.0200	13.	53.	0.01
MILE	29.00	793.77	6767.	0.19	35524.	1046.	10.74	0.0200	15.	54.	0.01
MILE	27.30	793.76	7282.	0.20	36871.	1045.	11.14	0.0230	20.	57.	0.01
MILE	25.20	793.74	7725.	0.17	45684.	1043.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.71	8232.	0.22	37555.	1072.	11.38	0.0230	22.	64.	0.01

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.94	6745.	3.98	1695.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6765.	2.89	2339.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6788.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6813.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6839.	2.34	2926.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6865.	2.73	2515.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6885.	2.57	2676.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.05	6913.	2.49	2780.	400.	3.68	0.0320	22.	9.	0.17
MILE	63.00	795.13	6998.	1.83	3824.	361.	4.82	0.0400	22.	14.	0.10
MILE	60.90	794.28	7002.	1.49	4699.	359.	5.78	0.0450	22.	18.	0.07
MILE	58.80	793.91	4763.	0.83	5707.	353.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.90	4581.	0.72	6322.	395.	6.00	0.0200	20.	19.	0.03
MILE	55.00	793.89	4460.	0.69	6433.	457.	6.49	0.0200	20.	20.	0.03
MILE	53.10	793.88	4374.	0.49	8848.	562.	5.97	0.0200	21.	21.	0.02
MILE	51.00	793.88	4315.	0.45	9574.	914.	6.10	0.0200	25.	25.	0.02
MILE	48.30	793.83	4949.	0.39	12817.	1611.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.80	6223.	0.41	15364.	1801.	6.70	0.0200	22.	32.	0.02
MILE	44.10	793.78	6659.	0.24	27350.	1495.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.78	6737.	0.48	14181.	1353.	8.25	0.0300	11.	41.	0.03
MILE	42.00	793.75	7157.	0.39	18423.	1318.	6.16	0.0300	24.	44.	0.02
MILE	39.10	793.69	8210.	0.46	17825.	1338.	7.83	0.0230	26.	43.	0.02
MILE	37.00	793.68	7972.	0.25	31304.	1107.	7.19	0.0280	16.	42.	0.01
MILE	36.00	793.68	7863.	0.40	19450.	891.	8.31	0.0280	12.	45.	0.02
MILE	34.60	793.68	7759.	0.26	29664.	1213.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.67	7772.	0.13	61048.	2117.	8.04	0.0290	16.	51.	0.00
MILE	31.50	793.67	8036.	0.27	30158.	1737.	10.32	0.0250	18.	55.	0.01
MILE	30.10	793.67	8153.	0.26	31720.	873.	9.85	0.0200	13.	53.	0.01

MILE	29.00	793.67	8183.	0.23	35420.	1042.	10.72	0.0200	15.	54.	0.01
MILE	27.30	793.66	8217.	0.22	36773.	1042.	11.12	0.0230	20.	57.	0.01
MILE	25.20	793.67	8422.	0.18	45612.	1040.	11.95	0.0230	22.	59.	0.00
MILE	23.10	793.68	8435.	0.22	37527.	1071.	11.38	0.0230	22.	64.	0.01

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TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6750.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6791.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6812.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6834.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6857.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6885.	2.57	2675.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.07	6902.	2.48	2786.	401.	3.69	0.0320	22.	9.	0.17
MILE	63.00	795.18	6877.	1.79	3841.	363.	4.83	0.0400	22.	14.	0.10
MILE	60.90	794.33	6985.	1.48	4717.	359.	5.79	0.0450	22.	18.	0.07
MILE	58.80	793.87	5347.	0.94	5695.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.83	5627.	0.89	6294.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.79	5860.	0.92	6396.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.76	6080.	0.69	8770.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.72	6440.	0.68	9494.	909.	6.08	0.0200	25.	24.	0.04
MILE	48.30	793.69	6907.	0.55	12663.	1604.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.69	6745.	0.44	15271.	1795.	6.68	0.0200	22.	32.	0.03
MILE	44.10	793.69	7256.	0.27	27239.	1490.	7.99	0.0300	13.	38.	0.01
MILE	43.70	793.69	7328.	0.52	14135.	1348.	8.25	0.0300	11.	41.	0.03
MILE	42.00	793.68	7512.	0.41	18340.	1315.	6.16	0.0300	24.	44.	0.02
MILE	39.10	793.68	7402.	0.42	17816.	1338.	7.83	0.0230	26.	43.	0.02
MILE	37.00	793.68	8029.	0.26	31293.	1107.	7.19	0.0280	16.	42.	0.01
MILE	36.00	793.67	8263.	0.43	19442.	891.	8.31	0.0280	12.	45.	0.02
MILE	34.60	793.66	8536.	0.29	29648.	1212.	9.58	0.0280	12.	45.	0.01
MILE	33.60	793.66	8774.	0.14	61003.	2116.	8.04	0.0290	16.	51.	0.00
MILE	31.50	793.66	9267.	0.31	30147.	1736.	10.32	0.0250	18.	55.	0.01
MILE	30.10	793.65	9380.	0.30	31703.	872.	9.84	0.0200	13.	53.	0.01
MILE	29.00	793.65	9489.	0.27	35403.	1041.	10.72	0.0200	15.	54.	0.01
MILE	27.30	793.64	9749.	0.27	36755.	1041.	11.12	0.0230	20.	57.	0.01
MILE	25.20	793.63	9983.	0.22	45568.	1039.	11.95	0.0230	22.	59.	0.01
MILE	23.10	793.62	10267.	0.27	37470.	1069.	11.37	0.0230	22.	64.	0.01

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TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6746.	3.98	1696.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6768.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6791.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6814.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6856.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6872.	2.57	2672.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.03	6906.	2.49	2769.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.08	7047.	1.85	3804.	358.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.16	7200.	1.55	4658.	357.	5.75	0.0450	22.	18.	0.08
MILE	58.80	793.71	5235.	0.93	5636.	350.	6.10	0.0400	-1980.	21.	0.04
MILE	57.00	793.69	5257.	0.84	6234.	392.	5.95	0.0200	20.	19.	0.04
MILE	55.00	793.67	5343.	0.84	6352.	453.	6.46	0.0200	20.	20.	0.04
MILE	53.10	793.66	5454.	0.63	8712.	558.	5.93	0.0200	21.	20.	0.03
MILE	51.00	793.65	5588.	0.59	9461.	907.	6.07	0.0200	25.	24.	0.03
MILE	48.30	793.64	5992.	0.48	12609.	1601.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.62	6976.	0.46	15209.	1791.	6.67	0.0200	22.	32.	0.03
MILE	44.10	793.62	7359.	0.27	27160.	1487.	7.98	0.0300	13.	38.	0.01
MILE	43.70	793.62	7429.	0.53	14100.	1345.	8.26	0.0300	11.	41.	0.03
MILE	42.00	793.61	7797.	0.43	18253.	1312.	6.16	0.0300	24.	44.	0.02
MILE	39.10	793.57	8580.	0.48	17731.	1333.	7.82	0.0230	26.	43.	0.02
MILE	37.00	793.57	8517.	0.27	31125.	1103.	7.16	0.0280	16.	42.	0.01
MILE	36.00	793.57	8495.	0.44	19364.	888.	8.30	0.0280	12.	45.	0.02
MILE	34.60	793.58	8493.	0.29	29565.	1208.	9.57	0.0280	12.	45.	0.01
MILE	33.60	793.58	8526.	0.14	60790.	2110.	8.02	0.0290	16.	51.	0.00
MILE	31.50	793.57	8705.	0.29	30075.	1731.	10.31	0.0250	18.	55.	0.01
MILE	30.10	793.58	8915.	0.28	31625.	870.	9.83	0.0200	13.	53.	0.01
MILE	29.00	793.58	8989.	0.25	35332.	1039.	10.71	0.0200	15.	54.	0.01
MILE	27.30	793.58	9016.	0.25	36694.	1039.	11.11	0.0230	20.	56.	0.01
MILE	25.20	793.60	9063.	0.20	45529.	1037.	11.94	0.0230	22.	59.	0.01
MILE	23.10	793.60	9120.	0.24	37451.	1068.	11.37	0.0230	22.	64.	0.01

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6748.	3.98	1696.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6770.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6790.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6809.	3.00	2266.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6827.	2.34	2923.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6843.	2.73	2510.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.41	6863.	2.57	2667.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	795.98	6901.	2.51	2750.	397.	3.66	0.0320	22.	9.	0.17

MILE	63.00	795.03	6969.	1.84	3788.	355.	4.80	0.0400	22.	14.	0.10
MILE	60.90	794.13	7051.	1.52	4649.	357.	5.74	0.0450	22.	18.	0.07
MILE	58.80	793.67	5216.	0.93	5621.	350.	6.09	0.0400	-1980.	21.	0.04
MILE	57.00	793.64	5367.	0.86	6211.	391.	5.94	0.0200	20.	19.	0.04
MILE	55.00	793.60	5512.	0.87	6326.	452.	6.45	0.0200	20.	20.	0.04
MILE	53.10	793.58	5642.	0.65	8664.	556.	5.91	0.0200	21.	20.	0.03
MILE	51.00	793.56	5839.	0.62	9413.	904.	6.05	0.0200	25.	24.	0.03
MILE	48.30	793.54	6155.	0.49	12501.	1595.	4.93	0.0200	25.	25.	0.03
MILE	46.20	793.55	6109.	0.40	15143.	1786.	6.65	0.0200	22.	32.	0.02
MILE	44.10	793.55	6408.	0.24	27071.	1483.	7.96	0.0300	13.	38.	0.01
MILE	43.70	793.55	6451.	0.46	14063.	1342.	8.27	0.0300	11.	41.	0.02
MILE	42.00	793.55	6556.	0.36	18180.	1309.	6.16	0.0300	24.	44.	0.02
MILE	39.10	793.55	6506.	0.37	17713.	1332.	7.81	0.0230	26.	43.	0.02
MILE	37.00	793.55	6937.	0.22	31096.	1102.	7.16	0.0280	16.	42.	0.01
MILE	36.00	793.55	7143.	0.37	19347.	887.	8.30	0.0280	12.	45.	0.01
MILE	34.60	793.54	7431.	0.25	29534.	1207.	9.57	0.0280	12.	45.	0.01
MILE	33.60	793.54	7635.	0.13	60702.	2108.	8.02	0.0290	16.	51.	0.00
MILE	31.50	793.55	7926.	0.26	30050.	1730.	10.31	0.0250	18.	55.	0.01
MILE	30.10	793.55	8030.	0.25	31595.	869.	9.82	0.0200	13.	53.	0.01
MILE	29.00	793.55	8122.	0.23	35302.	1038.	10.70	0.0200	15.	54.	0.01
MILE	27.30	793.55	8330.	0.23	36662.	1038.	11.11	0.0230	20.	56.	0.01
MILE	25.20	793.54	8571.	0.19	45474.	1036.	11.93	0.0230	22.	59.	0.01
MILE	23.10	793.54	8875.	0.24	37394.	1066.	11.36	0.0230	22.	64.	0.01

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6750.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6769.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6786.	3.00	2260.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.17	6803.	3.00	2265.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.02	6821.	2.33	2921.	293.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6840.	2.73	2508.	352.	3.16	0.0340	22.	7.	0.18
MILE	67.20	800.40	6861.	2.58	2664.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	795.94	6897.	2.52	2736.	395.	3.65	0.0320	22.	9.	0.17
MILE	63.00	794.97	6990.	1.86	3766.	354.	4.78	0.0400	22.	14.	0.10
MILE	60.90	794.05	7076.	1.53	4621.	356.	5.72	0.0450	22.	18.	0.07
MILE	58.80	793.60	5091.	0.91	5596.	349.	6.09	0.0400	-1980.	21.	0.04
MILE	57.00	793.58	5085.	0.82	6188.	390.	5.93	0.0200	20.	19.	0.04
MILE	55.00	793.56	5098.	0.81	6312.	452.	6.44	0.0200	20.	20.	0.04
MILE	53.10	793.55	5128.	0.59	8647.	556.	5.91	0.0200	21.	20.	0.03
MILE	51.00	793.54	5176.	0.55	9405.	903.	6.05	0.0200	25.	24.	0.03
MILE	48.30	793.53	5384.	0.43	12488.	1595.	4.93	0.0200	25.	25.	0.03
MILE	46.20	793.52	5830.	0.39	15115.	1784.	6.65	0.0200	22.	32.	0.02
MILE	44.10	793.52	5970.	0.22	27031.	1481.	7.96	0.0300	13.	38.	0.01
MILE	43.70	793.51	6005.	0.43	14045.	1340.	8.27	0.0300	11.	41.	0.02

MILE	42.00	793.50	6238.	0.34	18132.	1307.	6.16	0.0300	24.	44.	0.02
MILE	39.10	793.48	6719.	0.38	17658.	1329.	7.81	0.0230	26.	42.	0.02
MILE	37.00	793.48	6623.	0.21	30986.	1100.	7.14	0.0280	16.	42.	0.01
MILE	36.00	793.48	6592.	0.34	19296.	885.	8.29	0.0280	12.	44.	0.01
MILE	34.60	793.49	6590.	0.22	29477.	1205.	9.56	0.0280	12.	45.	0.01
MILE	33.60	793.49	6643.	0.11	60551.	2104.	8.01	0.0290	16.	51.	0.00
MILE	31.50	793.49	6889.	0.23	29995.	1726.	10.30	0.0250	18.	55.	0.01
MILE	30.10	793.49	7108.	0.23	31532.	867.	9.81	0.0200	13.	53.	0.01
MILE	29.00	793.49	7213.	0.20	35242.	1036.	10.69	0.0200	15.	54.	0.01
MILE	27.30	793.49	7317.	0.20	36602.	1036.	11.10	0.0230	20.	56.	0.01
MILE	25.20	793.49	7371.	0.16	45419.	1034.	11.93	0.0230	22.	59.	0.00
MILE	23.10	793.50	7439.	0.20	37356.	1065.	11.35	0.0230	22.	64.	0.01

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.96	6749.	3.97	1700.	334.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.27	6767.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6784.	3.00	2260.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.17	6801.	3.00	2264.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.02	6819.	2.34	2920.	293.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6838.	2.73	2508.	352.	3.16	0.0340	22.	7.	0.18
MILE	67.20	800.40	6861.	2.58	2662.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	795.92	6892.	2.53	2727.	394.	3.64	0.0320	22.	9.	0.17
MILE	63.00	794.95	6928.	1.84	3761.	353.	4.78	0.0400	22.	14.	0.10
MILE	60.90	794.05	6974.	1.51	4621.	356.	5.73	0.0450	22.	18.	0.07
MILE	58.80	793.60	5065.	0.91	5595.	349.	6.09	0.0400	-1980.	21.	0.04
MILE	57.00	793.57	5145.	0.83	6182.	390.	5.92	0.0200	20.	19.	0.04
MILE	55.00	793.54	5224.	0.83	6303.	451.	6.44	0.0200	20.	20.	0.04
MILE	53.10	793.52	5300.	0.61	8628.	555.	5.90	0.0200	21.	20.	0.03
MILE	51.00	793.50	5407.	0.58	9384.	902.	6.05	0.0200	25.	24.	0.03
MILE	48.30	793.48	5521.	0.44	12440.	1592.	4.93	0.0200	25.	25.	0.03
MILE	46.20	793.48	5497.	0.36	15088.	1782.	6.64	0.0200	22.	32.	0.02
MILE	44.10	793.48	5724.	0.21	26991.	1480.	7.95	0.0300	13.	38.	0.01
MILE	43.70	793.48	5754.	0.41	14028.	1339.	8.27	0.0300	11.	40.	0.02
MILE	42.00	793.47	5814.	0.32	18096.	1306.	6.16	0.0300	24.	43.	0.02
MILE	39.10	793.47	5769.	0.33	17650.	1328.	7.81	0.0230	26.	42.	0.02
MILE	37.00	793.46	6193.	0.20	30954.	1099.	7.14	0.0280	16.	42.	0.01
MILE	36.00	793.46	6342.	0.33	19278.	884.	8.29	0.0280	12.	44.	0.01
MILE	34.60	793.46	6511.	0.22	29451.	1204.	9.56	0.0280	12.	45.	0.01
MILE	33.60	793.46	6665.	0.11	60475.	2102.	8.00	0.0290	16.	51.	0.00
MILE	31.50	793.45	6990.	0.23	29967.	1724.	10.30	0.0250	18.	55.	0.01
MILE	30.10	793.45	7022.	0.22	31499.	866.	9.81	0.0200	13.	53.	0.01
MILE	29.00	793.46	7069.	0.20	35211.	1034.	10.69	0.0200	15.	54.	0.01
MILE	27.30	793.45	7240.	0.20	36570.	1034.	11.09	0.0230	20.	56.	0.01
MILE	25.20	793.45	7536.	0.17	45369.	1032.	11.92	0.0230	22.	59.	0.00

MILE	23.10	793.44	7792.	0.21	37299.	1062.	11.34	0.0230	22.	63.	0.01

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.97	6748.	3.97	1701.	335.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.27	6767.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6785.	3.00	2260.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.17	6803.	3.00	2264.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.02	6822.	2.34	2921.	293.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6843.	2.73	2508.	352.	3.16	0.0340	22.	7.	0.18
MILE	67.20	800.40	6864.	2.58	2662.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	795.91	6890.	2.53	2721.	394.	3.64	0.0320	22.	9.	0.17
MILE	63.00	794.93	6946.	1.85	3751.	353.	4.78	0.0400	22.	14.	0.10
MILE	60.90	794.01	6995.	1.52	4607.	355.	5.72	0.0450	22.	17.	0.07
MILE	58.80	793.57	5012.	0.90	5582.	349.	6.08	0.0400	-1980.	20.	0.04
MILE	57.00	793.54	5030.	0.82	6170.	390.	5.92	0.0200	20.	19.	0.04
MILE	55.00	793.51	5069.	0.81	6294.	451.	6.44	0.0200	20.	20.	0.04
MILE	53.10	793.50	5114.	0.59	8616.	555.	5.90	0.0200	21.	20.	0.03
MILE	51.00	793.49	5173.	0.55	9376.	901.	6.04	0.0200	25.	24.	0.03
MILE	48.30	793.47	5397.	0.43	12423.	1591.	4.93	0.0200	25.	25.	0.03
MILE	46.20	793.45	5826.	0.39	15061.	1780.	6.64	0.0200	22.	32.	0.02
MILE	44.10	793.45	5989.	0.22	26954.	1478.	7.95	0.0300	13.	38.	0.01
MILE	43.70	793.45	6025.	0.43	14012.	1337.	8.27	0.0300	11.	40.	0.02
MILE	42.00	793.44	6250.	0.35	18052.	1304.	6.17	0.0300	24.	43.	0.02
MILE	39.10	793.41	6766.	0.38	17599.	1325.	7.80	0.0230	26.	42.	0.02
MILE	37.00	793.41	6775.	0.22	30864.	1097.	7.13	0.0280	16.	42.	0.01
MILE	36.00	793.41	6767.	0.35	19234.	883.	8.29	0.0280	12.	44.	0.01
MILE	34.60	793.40	6785.	0.23	29395.	1201.	9.55	0.0280	12.	45.	0.01
MILE	33.60	793.40	6876.	0.11	60324.	2098.	7.99	0.0290	16.	51.	0.00
MILE	31.50	793.40	7222.	0.24	29919.	1721.	10.29	0.0250	18.	55.	0.01
MILE	30.10	793.40	7358.	0.23	31442.	864.	9.80	0.0200	13.	53.	0.01
MILE	29.00	793.40	7443.	0.21	35154.	1032.	10.68	0.0200	15.	54.	0.01
MILE	27.30	793.40	7601.	0.21	36512.	1032.	11.08	0.0230	20.	56.	0.01
MILE	25.20	793.40	7784.	0.17	45311.	1030.	11.91	0.0230	22.	59.	0.00
MILE	23.10	793.40	7875.	0.21	37262.	1061.	11.34	0.0230	22.	63.	0.01

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.97	6742.	3.96	1701.	335.	3.26	0.0290	22.	7.	0.31

MILE	77.70	821.27	6763.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6785.	3.00	2260.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.17	6806.	3.01	2265.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.02	6826.	2.34	2921.	293.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6846.	2.73	2509.	352.	3.16	0.0340	22.	7.	0.18
MILE	67.20	800.40	6866.	2.58	2662.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	795.89	6890.	2.54	2716.	393.	3.63	0.0320	22.	9.	0.17
MILE	63.00	794.91	6926.	1.85	3746.	353.	4.77	0.0400	22.	14.	0.10
MILE	60.90	793.99	6982.	1.52	4603.	355.	5.71	0.0450	22.	17.	0.07
MILE	58.80	793.54	5087.	0.91	5571.	348.	6.08	0.0400	-1980.	20.	0.04
MILE	57.00	793.50	5178.	0.84	6154.	389.	5.91	0.0200	20.	19.	0.04
MILE	55.00	793.47	5274.	0.84	6278.	450.	6.43	0.0200	20.	20.	0.04
MILE	53.10	793.45	5377.	0.63	8586.	554.	5.89	0.0200	21.	20.	0.03
MILE	51.00	793.43	5545.	0.59	9348.	900.	6.04	0.0200	25.	24.	0.03
MILE	48.30	793.41	5834.	0.47	12360.	1588.	4.93	0.0200	25.	24.	0.03
MILE	46.20	793.41	5933.	0.40	15019.	1777.	6.63	0.0200	22.	32.	0.02
MILE	44.10	793.40	6283.	0.23	26895.	1476.	7.94	0.0300	13.	38.	0.01
MILE	43.70	793.40	6335.	0.45	13986.	1335.	8.28	0.0300	11.	40.	0.02
MILE	42.00	793.39	6496.	0.36	17995.	1302.	6.17	0.0300	24.	43.	0.02
MILE	39.10	793.38	6612.	0.38	17574.	1324.	7.80	0.0230	26.	42.	0.02
MILE	37.00	793.37	7030.	0.23	30800.	1095.	7.12	0.0280	16.	42.	0.01
MILE	36.00	793.36	7178.	0.37	19201.	881.	8.28	0.0280	12.	44.	0.01
MILE	34.60	793.36	7349.	0.25	29354.	1200.	9.54	0.0280	12.	45.	0.01
MILE	33.60	793.36	7507.	0.12	60213.	2095.	7.98	0.0290	16.	50.	0.00
MILE	31.50	793.36	7877.	0.26	29879.	1718.	10.28	0.0250	18.	55.	0.01
MILE	30.10	793.35	8033.	0.26	31394.	863.	9.79	0.0200	13..	53.	0.01
MILE	29.00	793.35	8122.	0.23	35109.	1031.	10.67	0.0200	15.	54.	0.01
MILE	27.30	793.35	8273.	0.23	36469.	1031.	11.08	0.0230	20.	56.	0.01
MILE	25.20	793.35	8475.	0.19	45261.	1029.	11.91	0.0230	22.	59.	0.00
MILE	23.10	793.34	8723.	0.23	37205.	1059.	11.33	0.0230	22.	63.	0.01

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.97	6751.	3.96	1703.	335.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.27	6771.	2.89	2341.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.33	6789.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.17	6808.	3.01	2265.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.02	6827.	2.34	2922.	293.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6847.	2.73	2509.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.40	6866.	2.58	2661.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	795.88	6892.	2.54	2709.	392.	3.63	0.0320	22.	9.	0.17
MILE	63.00	794.88	6958.	1.86	3734.	352.	4.77	0.0400	22.	14.	0.10
MILE	60.90	793.93	7035.	1.54	4582.	354.	5.70	0.0450	22.	17.	0.08
MILE	58.80	793.47	5092.	0.92	5548.	347.	6.07	0.0400	-1980.	20.	0.04
MILE	57.00	793.44	5143.	0.84	6129.	389.	5.90	0.0200	20.	19.	0.04

MILE	55.00	793.41	5225.	0.83	6258.	449.	6.42	0.0200	20.	20.	0.04
MILE	53.10	793.40	5323.	0.62	8555.	553.	5.88	0.0200	21.	20.	0.03
MILE	51.00	793.38	5461.	0.59	9323.	898.	6.03	0.0200	25.	24.	0.03
MILE	48.30	793.36	5781.	0.47	12311.	1585.	4.93	0.0200	25.	24.	0.03
MILE	46.20	793.35	6317.	0.42	14967.	1773.	6.62	0.0200	22.	32.	0.03
MILE	44.10	793.34	6590.	0.25	26828.	1473.	7.93	0.0300	13.	38.	0.01
MILE	43.70	793.34	6639.	0.48	13958.	1332.	8.28	0.0300	11.	40.	0.03
MILE	42.00	793.33	6882.	0.38	17927.	1299.	6.17	0.0300	24.	43.	0.02
MILE	39.10	793.30	7411.	0.42	17515.	1320.	7.79	0.0230	26.	42.	0.02
MILE	37.00	793.30	7461.	0.24	30695.	1093.	7.10	0.0280	16.	42.	0.01
MILE	36.00	793.30	7510.	0.39	19151.	879.	8.28	0.0280	12.	44.	0.01
MILE	34.60	793.30	7632.	0.26	29292.	1197.	9.54	0.0280	12.	45.	0.01
MILE	33.60	793.30	7750.	0.13	60050.	2090.	7.97	0.0290	16.	50.	0.00
MILE	31.50	793.30	8008.	0.27	29828.	1715.	10.27	0.0250	18.	54.	0.01
MILE	30.10	793.30	8177.	0.26	31334.	861.	9.78	0.0200	13.	52.	0.01
MILE	29.00	793.29	8270.	0.24	35051.	1029.	10.66	0.0200	15.	54.	0.01
MILE	27.30	793.30	8402.	0.23	36415.	1029.	11.07	0.0230	20.	56.	0.01
MILE	25.20	793.30	8542.	0.19	45206.	1027.	11.90	0.0230	22.	59.	0.01
MILE	23.10	793.30	8697.	0.23	37167.	1057.	11.32	0.0230	22.	63.	0.01

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.97	6741.	3.96	1701.	335.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.27	6763.	2.89	2340.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6787.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.17	6809.	3.01	2265.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.02	6828.	2.34	2922.	293.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6847.	2.73	2509.	352.	3.16	0.0340	22.	7.	0.18
MILE	67.20	800.39	6866.	2.58	2660.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	795.86	6892.	2.55	2701.	391.	3.62	0.0320	22.	9.	0.17
MILE	63.00	794.84	6951.	1.87	3723.	352.	4.76	0.0400	22.	14.	0.10
MILE	60.90	793.89	7030.	1.54	4568.	354.	5.69	0.0450	22.	17.	0.08
MILE	58.80	793.42	5146.	0.93	5527.	347.	6.06	0.0400	-1980.	20.	0.04
MILE	57.00	793.38	5251.	0.86	6102.	388.	5.88	0.0200	20.	19.	0.04
MILE	55.00	793.35	5363.	0.86	6233.	448.	6.41	0.0200	20.	20.	0.04
MILE	53.10	793.33	5475.	0.64	8514.	552.	5.87	0.0200	21.	20.	0.03
MILE	51.00	793.31	5644.	0.61	9288.	896.	6.02	0.0200	25.	24.	0.03
MILE	48.30	793.29	5972.	0.49	12237.	1581.	4.94	0.0200	25.	24.	0.03
MILE	46.20	793.29	6135.	0.41	14916.	1770.	6.61	0.0200	22.	31.	0.02
MILE	44.10	793.29	6485.	0.24	26757.	1470.	7.92	0.0300	13.	38.	0.01
MILE	43.70	793.28	6538.	0.47	13928.	1329.	8.29	0.0300	11.	40.	0.03
MILE	42.00	793.27	6709.	0.38	17863.	1297.	6.17	0.0300	24.	43.	0.02
MILE	39.10	793.27	6829.	0.39	17485.	1319.	7.79	0.0230	26.	42.	0.02
MILE	37.00	793.27	7084.	0.23	30634.	1091.	7.09	0.0280	16.	42.	0.01
MILE	36.00	793.26	7199.	0.38	19121.	878.	8.27	0.0280	12.	44.	0.01

MILE	34.60	793.26	7356.	0.25	29255.	1195.	9.53	0.0280	12.	45.	0.01
MILE	33.60	793.26	7466.	0.12	59947.	2087.	7.96	0.0290	16.	50.	0.00
MILE	31.50	793.26	7645.	0.26	29794.	1712.	10.27	0.0250	18.	54.	0.01
MILE	30.10	793.26	7777.	0.25	31299.	860.	9.77	0.0200	13.	52.	0.01
MILE	29.00	793.26	7849.	0.22	35019.	1027.	10.66	0.0200	15.	54.	0.01
MILE	27.30	793.26	7941.	0.22	36382.	1027.	11.06	0.0230	20.	56.	0.01
MILE	25.20	793.26	8023.	0.18	45168.	1025.	11.89	0.0230	22.	59.	0.00
MILE	23.10	793.26	8216.	0.22	37129.	1056.	11.31	0.0230	22.	63.	0.01

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.97	6752.	3.96	1704.	335.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.27	6772.	2.89	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.33	6788.	3.00	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.17	6806.	3.01	2265.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.02	6825.	2.34	2921.	293.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6845.	2.73	2509.	352.	3.16	0.0340	22.	7.	0.18
MILE	67.20	800.39	6865.	2.58	2659.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	795.83	6894.	2.56	2690.	390.	3.61	0.0320	22.	9.	0.17
MILE	63.00	794.80	6967.	1.88	3707.	351.	4.75	0.0400	22.	14.	0.10
MILE	60.90	793.83	7047.	1.55	4547.	353.	5.67	0.0450	22.	17.	0.08
MILE	58.80	793.35	5108.	0.93	5504.	346.	6.05	0.0400	-1980.	20.	0.04
MILE	57.00	793.32	5154.	0.85	6078.	387.	5.87	0.0200	20.	19.	0.04
MILE	55.00	793.30	5220.	0.84	6214.	447.	6.41	0.0200	20.	20.	0.04
MILE	53.10	793.28	5297.	0.62	8485.	551.	5.86	0.0200	21.	20.	0.03
MILE	51.00	793.27	5396.	0.58	9266.	895.	6.01	0.0200	25.	24.	0.03
MILE	48.30	793.25	5575.	0.46	12197.	1579.	4.94	0.0200	25.	24.	0.03
MILE	46.20	793.24	5904.	0.40	14878.	1767.	6.60	0.0200	22.	31.	0.02
MILE	44.10	793.25	6057.	0.23	26710.	1467.	7.91	0.0300	13.	38.	0.01
MILE	43.70	793.24	6087.	0.44	13908.	1327.	8.29	0.0300	11.	40.	0.02
MILE	42.00	793.24	6251.	0.35	17818.	1295.	6.17	0.0300	24.	43.	0.02
MILE	39.10	793.22	6659.	0.38	17446.	1316.	7.78	0.0230	26.	42.	0.02
MILE	37.00	793.21	6802.	0.22	30551.	1089.	7.08	0.0280	16.	42.	0.01
MILE	36.00	793.21	6857.	0.36	19081.	877.	8.27	0.0280	12.	44.	0.01
MILE	34.60	793.21	6953.	0.24	29209.	1193.	9.53	0.0280	12.	45.	0.01
MILE	33.60	793.21	7077.	0.12	59824.	2084.	7.95	0.0290	16.	50.	0.00
MILE	31.50	793.21	7420.	0.25	29749.	1709.	10.26	0.0250	18.	54.	0.01
MILE	30.10	793.21	7586.	0.24	31243.	858.	9.76	0.0200	13.	52.	0.01
MILE	29.00	793.21	7685.	0.22	34965.	1026.	10.65	0.0200	15.	54.	0.01
MILE	27.30	793.21	7856.	0.22	36332.	1026.	11.06	0.0230	20.	56.	0.01
MILE	25.20	793.21	8061.	0.18	45110.	1024.	11.89	0.0230	22.	59.	0.00
MILE	23.10	793.21	8210.	0.22	37082.	1054.	11.31	0.0230	22.	63.	0.01

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.98	6765.	3.96	1707.	335.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.28	6784.	2.89	2344.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6797.	3.00	2263.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.17	6811.	3.01	2265.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.02	6827.	2.34	2921.	293.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6844.	2.73	2508.	352.	3.16	0.0340	22.	7.	0.18
MILE	67.20	800.39	6864.	2.58	2657.	405.	2.93	0.0340	22.	10.	0.18
MILE	65.10	795.81	6893.	2.57	2682.	389.	3.60	0.0320	22.	9.	0.17
MILE	63.00	794.77	6945.	1.88	3698.	351.	4.75	0.0400	22.	14.	0.10
MILE	60.90	793.80	6996.	1.54	4538.	353.	5.67	0.0450	22.	17.	0.08
MILE	58.80	793.33	5054.	0.92	5496.	346.	6.05	0.0400	-1980.	20.	0.04
MILE	57.00	793.30	5109.	0.84	6066.	386.	5.86	0.0200	20.	18.	0.04
MILE	55.00	793.26	5171.	0.83	6203.	447.	6.40	0.0200	20.	20.	0.04
MILE	53.10	793.25	5237.	0.62	8465.	550.	5.85	0.0200	21.	20.	0.03
MILE	51.00	793.23	5351.	0.58	9248.	893.	6.01	0.0200	25.	24.	0.03
MILE	48.30	793.21	5629.	0.46	12151.	1577.	4.94	0.0200	25.	24.	0.03
MILE	46.20	793.20	5796.	0.39	14842.	1765.	6.60	0.0200	22.	31.	0.02
MILE	44.10	793.20	6094.	0.23	26655.	1465.	7.90	0.0300	13.	38.	0.01
MILE	43.70	793.20	6140.	0.44	13884.	1325.	8.29	0.0300	11.	40.	0.02
MILE	42.00	793.19	6308.	0.36	17760.	1293.	6.17	0.0300	24.	43.	0.02
MILE	39.10	793.17	6490.	0.37	17410.	1314.	7.78	0.0230	26.	42.	0.02
MILE	37.00	793.17	6742.	0.22	30483.	1088.	7.07	0.0280	16.	42.	0.01
MILE	36.00	793.17	6828.	0.36	19047.	875.	8.27	0.0280	12.	44.	0.01
MILE	34.60	793.17	6939.	0.24	29161.	1191.	9.52	0.0280	12.	45.	0.01
MILE	33.60	793.16	7073.	0.12	59691.	2080.	7.94	0.0290	16.	50.	0.00
MILE	31.50	793.16	7410.	0.25	29706.	1706.	10.25	0.0250	18.	54.	0.01
MILE	30.10	793.16	7462.	0.24	31198.	857.	9.75	0.0200	13.	52.	0.01
MILE	29.00	793.17	7513.	0.22	34922.	1024.	10.64	0.0200	15.	53.	0.01
MILE	27.30	793.16	7659.	0.21	36284.	1024.	11.05	0.0230	20.	56.	0.01
MILE	25.20	793.16	7880.	0.17	45056.	1022.	11.88	0.0230	22.	59.	0.00
MILE	23.10	793.16	8063.	0.22	37034.	1052.	11.30	0.0230	22.	63.	0.01

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TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.98	6753.	3.96	1706.	335.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.28	6774.	2.89	2343.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6796.	3.00	2263.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.18	6815.	3.01	2266.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.02	6833.	2.34	2922.	293.	3.71	0.0400	22.	11.	0.13

MILE	69.30	805.38	6851.	2.73	2509.	352.	3.16	0.0340	22.	7.	0.18
MILE	67.20	800.39	6869.	2.59	2657.	405.	2.93	0.0340	22.	10.	0.18
MILE	65.10	795.79	6893.	2.58	2676.	388.	3.60	0.0320	22.	9.	0.17
MILE	63.00	794.75	6944.	1.88	3689.	350.	4.74	0.0400	22.	14.	0.10
MILE	60.90	793.77	7011.	1.55	4526.	352.	5.66	0.0450	22.	17.	0.08
MILE	58.80	793.28	5082.	0.93	5480.	345.	6.05	0.0400	-1980.	20.	0.04
MILE	57.00	793.25	5140.	0.85	6048.	386.	5.86	0.0200	20.	18.	0.04
MILE	55.00	793.22	5214.	0.84	6187.	446.	6.40	0.0200	20.	20.	0.04
MILE	53.10	793.20	5299.	0.63	8439.	549.	5.84	0.0200	21.	20.	0.03
MILE	51.00	793.19	5419.	0.59	9226.	892.	6.00	0.0200	25.	24.	0.03
MILE	48.30	793.17	5629.	0.46	12111.	1575.	4.95	0.0200	25.	24.	0.03
MILE	46.20	793.16	5938.	0.40	14804.	1762.	6.59	0.0200	22.	31.	0.02
MILE	44.10	793.16	6132.	0.23	26606.	1463.	7.90	0.0300	13.	38.	0.01
MILE	43.70	793.15	6166.	0.44	13864.	1323.	8.30	0.0300	11.	40.	0.02
MILE	42.00	793.15	6317.	0.36	17715.	1291.	6.17	0.0300	24.	43.	0.02
MILE	39.10	793.13	6584.	0.38	17376.	1312.	7.78	0.0230	26.	42.	0.02
MILE	37.00	793.13	6686.	0.22	30415.	1086.	7.06	0.0280	16.	42.	0.01
MILE	36.00	793.13	6704.	0.35	19015.	874.	8.26	0.0280	12.	44.	0.01
MILE	34.60	793.13	6717.	0.23	29125.	1190.	9.51	0.0280	12.	45.	0.01
MILE	33.60	793.13	6774.	0.11	59599.	2078.	7.94	0.0290	16.	50.	0.00
MILE	31.50	793.13	7008.	0.24	29675.	1704.	10.25	0.0250	18.	54.	0.01
MILE	30.10	793.13	7109.	0.23	31158.	856.	9.75	0.0200	13.	52.	0.01
MILE	29.00	793.13	7161.	0.21	34884.	1023.	10.64	0.0200	15.	53.	0.01
MILE	27.30	793.13	7244.	0.20	36252.	1023.	11.04	0.0230	20.	56.	0.01
MILE	25.20	793.13	7369.	0.16	45022.	1021.	11.87	0.0230	22.	59.	0.00
MILE	23.10	793.13	7447.	0.20	37006.	1051.	11.29	0.0230	22.	63.	0.01

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TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.98	6749.	3.96	1706.	335.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.28	6770.	2.89	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6791.	3.00	2262.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.18	6813.	3.01	2266.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6834.	2.34	2923.	293.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6855.	2.73	2510.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.39	6874.	2.59	2658.	405.	2.93	0.0340	22.	10.	0.18
MILE	65.10	795.78	6897.	2.58	2670.	388.	3.59	0.0320	22.	9.	0.17
MILE	63.00	794.72	6949.	1.89	3680.	350.	4.74	0.0400	22.	14.	0.10
MILE	60.90	793.73	7010.	1.55	4513.	352.	5.65	0.0450	22.	17.	0.08
MILE	58.80	793.24	5079.	0.93	5464.	345.	6.04	0.0400	-1980.	20.	0.04
MILE	57.00	793.21	5143.	0.85	6029.	385.	5.85	0.0200	20.	18.	0.04
MILE	55.00	793.18	5218.	0.85	6171.	446.	6.39	0.0200	20.	20.	0.04
MILE	53.10	793.16	5286.	0.63	8414.	548.	5.83	0.0200	21.	20.	0.03
MILE	51.00	793.15	5376.	0.58	9206.	891.	6.00	0.0200	25.	24.	0.03
MILE	48.30	793.13	5546.	0.46	12071.	1572.	4.95	0.0200	25.	24.	0.03

MILE	46.20	793.13	5670.	0.38	14775.	1760.	6.58	0.0200	22.	31.	0.02
MILE	44.10	793.13	5847.	0.22	26569.	1461.	7.89	0.0300	13.	38.	0.01
MILE	43.70	793.12	5865.	0.42	13848.	1322.	8.30	0.0300	11.	40.	0.02
MILE	42.00	793.12	5844.	0.33	17689.	1290.	6.17	0.0300	24.	43.	0.02
MILE	39.10	793.15	5209.	0.30	17390.	1313.	7.78	0.0230	26.	42.	0.01
MILE	37.00	793.17	4448.	0.15	30487.	1088.	7.07	0.0280	16.	42.	0.00
MILE	36.00	793.18	4182.	0.22	19059.	876.	8.27	0.0280	12.	44.	0.01
MILE	34.60	793.20	3830.	0.13	29194.	1193.	9.52	0.0280	12.	45.	0.00
MILE	33.60	793.21	3408.	0.06	59802.	2083.	7.95	0.0290	16.	50.	0.00
MILE	31.50	793.22	2272.	0.08	29759.	1710.	10.26	0.0250	18.	54.	0.00
MILE	30.10	793.23	1782.	0.06	31269.	859.	9.77	0.0200	13.	52.	0.00
MILE	29.00	793.24	1456.	0.04	34999.	1027.	10.65	0.0200	15.	54.	0.00
MILE	27.30	793.26	838.	0.02	36379.	1027.	11.06	0.0230	20.	56.	0.00
MILE	25.20	793.28	160.	0.00	45188.	1026.	11.90	0.0230	22.	59.	0.00
MILE	23.10	793.30	-266.	-0.01	37167.	1057.	11.32	0.0230	22.	63.	0.00

0DATE 5-03-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.99	6756.	3.96	1708.	335.	3.27	0.0290	22.	7.	0.31
MILE	77.70	821.28	6776.	2.89	2343.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6794.	3.00	2263.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.18	6813.	3.01	2266.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.02	6832.	2.34	2922.	293.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6853.	2.73	2510.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.39	6874.	2.59	2657.	405.	2.93	0.0340	22.	10.	0.18
MILE	65.10	795.76	6900.	2.59	2664.	387.	3.59	0.0320	22.	9.	0.17
MILE	63.00	794.70	6948.	1.89	3672.	350.	4.73	0.0400	22.	14.	0.10
MILE	60.90	793.70	6994.	1.55	4504.	352.	5.64	0.0450	22.	17.	0.08
MILE	58.80	793.22	5029.	0.92	5455.	344.	6.04	0.0400	-1980.	20.	0.04
MILE	57.00	793.19	5046.	0.84	6021.	385.	5.84	0.0200	20.	18.	0.04
MILE	55.00	793.17	5038.	0.82	6167.	445.	6.39	0.0200	20.	20.	0.04
MILE	53.10	793.17	4951.	0.59	8417.	548.	5.83	0.0200	21.	20.	0.03
MILE	51.00	793.18	4640.	0.50	9222.	892.	6.00	0.0200	25.	24.	0.03
MILE	48.30	793.22	3437.	0.28	12163.	1577.	4.94	0.0200	25.	24.	0.02
MILE	46.20	793.25	2302.	0.15	14879.	1767.	6.60	0.0200	22.	31.	0.01
MILE	44.10	793.27	1135.	0.04	26742.	1469.	7.92	0.0300	13.	38.	0.00
MILE	43.70	793.28	954.	0.07	13925.	1329.	8.29	0.0300	11.	40.	0.00
MILE	42.00	793.30	295.	0.02	17895.	1298.	6.17	0.0300	24.	43.	0.00
MILE	39.10	793.32	-229.	-0.01	17529.	1321.	7.79	0.0230	26.	42.	0.00
MILE	37.00	793.32	-160.	-0.01	30724.	1094.	7.11	0.0280	16.	42.	0.00
MILE	36.00	793.32	-74.	0.00	19168.	880.	8.28	0.0280	12.	44.	0.00
MILE	34.60	793.32	54.	0.00	29316.	1198.	9.54	0.0280	12.	45.	0.00
MILE	33.60	793.32	49.	0.00	60116.	2092.	7.98	0.0290	16.	50.	0.00
MILE	31.50	793.33	-199.	-0.01	29853.	1716.	10.28	0.0250	18.	55.	0.00
MILE	30.10	793.33	-138.	0.00	31365.	862.	9.78	0.0200	13.	53.	0.00

MILE	29.00	793.33	-76.	0.00	35082.	1030.	10.67	0.0200	15.	54.	0.00
MILE	27.30	793.33	22.	0.00	36445.	1030.	11.07	0.0230	20.	56.	0.00
MILE	25.20	793.32	72.	0.00	45232.	1028.	11.90	0.0230	22.	59.	0.00
MILE	23.10	793.31	162.	0.00	37176.	1057.	11.32	0.0230	22.	63.	0.00

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.98	6743.	3.95	1706.	335.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.27	6765.	2.89	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6789.	3.00	2262.	279.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6812.	3.01	2266.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.02	6833.	2.34	2922.	293.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6854.	2.73	2510.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.39	6877.	2.59	2657.	405.	2.93	0.0340	22.	10.	0.18
MILE	65.10	795.76	6903.	2.59	2664.	387.	3.59	0.0320	22.	9.	0.17
MILE	63.00	794.73	6866.	1.86	3682.	350.	4.74	0.0400	22.	14.	0.10
MILE	60.90	793.83	6634.	1.46	4548.	353.	5.67	0.0450	22.	17.	0.07
MILE	58.80	793.47	4187.	0.75	5548.	347.	6.07	0.0400	-1980.	20.	0.03
MILE	57.00	793.47	3806.	0.62	6138.	389.	5.90	0.0200	20.	19.	0.03
MILE	55.00	793.46	3380.	0.54	6275.	450.	6.43	0.0200	20.	20.	0.03
MILE	53.10	793.46	2985.	0.35	8591.	554.	5.89	0.0200	21.	20.	0.02
MILE	51.00	793.45	2558.	0.27	9357.	900.	6.04	0.0200	25.	24.	0.01
MILE	48.30	793.41	2331.	0.19	12364.	1588.	4.93	0.0200	25.	24.	0.01
MILE	46.20	793.40	1811.	0.12	15017.	1777.	6.63	0.0200	22.	32.	0.01
MILE	44.10	793.39	1440.	0.05	26879.	1475.	7.94	0.0300	13.	38.	0.00
MILE	43.70	793.38	1391.	0.10	13980.	1334.	8.28	0.0300	11.	40.	0.01
MILE	42.00	793.37	1258.	0.07	17969.	1301.	6.17	0.0300	24.	43.	0.00
MILE	39.10	793.35	915.	0.05	17552.	1322.	7.80	0.0230	26.	42.	0.00
MILE	37.00	793.35	216.	0.01	30773.	1095.	7.11	0.0280	16.	42.	0.00
MILE	36.00	793.35	-38.	0.00	19192.	881.	8.28	0.0280	12.	44.	0.00
MILE	34.60	793.35	-331.	-0.01	29344.	1199.	9.54	0.0280	12.	45.	0.00
MILE	33.60	793.35	-576.	-0.01	60188.	2094.	7.98	0.0290	16.	50.	0.00
MILE	31.50	793.35	-1068.	-0.04	29875.	1718.	10.28	0.0250	18.	55.	0.00
MILE	30.10	793.35	-1254.	-0.04	31394.	863.	9.79	0.0200	13.	53.	0.00
MILE	29.00	793.35	-1392.	-0.04	35110.	1031.	10.67	0.0200	15.	54.	0.00
MILE	27.30	793.36	-1684.	-0.05	36474.	1031.	11.08	0.0230	20.	56.	0.00
MILE	25.20	793.37	-2030.	-0.04	45280.	1029.	11.91	0.0230	22.	59.	0.00
MILE	23.10	793.38	-2285.	-0.06	37242.	1060.	11.33	0.0230	22.	63.	0.00

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.99	6750.	3.95	1708.	335.	3.27	0.0290	22.	7.	0.31
MILE	77.70	821.28	6770.	2.89	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.33	6789.	3.00	2262.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6811.	3.01	2266.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6837.	2.34	2923.	293.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6868.	2.73	2512.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.40	6902.	2.59	2665.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	795.86	6895.	2.55	2702.	392.	3.62	0.0320	22.	9.	0.17
MILE	63.00	794.91	6724.	1.80	3744.	353.	4.77	0.0400	22.	14.	0.10
MILE	60.90	794.06	6654.	1.44	4623.	356.	5.73	0.0450	22.	18.	0.07
MILE	58.80	793.64	4725.	0.84	5609.	349.	6.09	0.0400	-1980.	21.	0.04
MILE	57.00	793.61	4755.	0.77	6199.	391.	5.93	0.0200	20.	19.	0.03
MILE	55.00	793.58	4750.	0.75	6317.	452.	6.45	0.0200	20.	20.	0.04
MILE	53.10	793.55	4743.	0.55	8646.	556.	5.91	0.0200	21.	20.	0.02
MILE	51.00	793.52	4665.	0.50	9395.	903.	6.05	0.0200	25.	24.	0.03
MILE	48.30	793.51	3894.	0.31	12472.	1594.	4.93	0.0200	25.	25.	0.02
MILE	46.20	793.51	3077.	0.20	15108.	1783.	6.65	0.0200	22.	32.	0.01
MILE	44.10	793.51	2388.	0.09	27021.	1481.	7.96	0.0300	13.	38.	0.00
MILE	43.70	793.51	2262.	0.16	14042.	1340.	8.27	0.0300	11.	41.	0.01
MILE	42.00	793.51	1652.	0.09	18140.	1308.	6.16	0.0300	24.	44.	0.00
MILE	39.10	793.52	529.	0.03	17689.	1330.	7.81	0.0230	26.	43.	0.00
MILE	37.00	793.52	187.	0.01	31038.	1101.	7.15	0.0280	16.	42.	0.00
MILE	36.00	793.52	35.	0.00	19322.	886.	8.30	0.0280	12.	45.	0.00
MILE	34.60	793.52	-237.	-0.01	29507.	1206.	9.57	0.0280	12.	45.	0.00
MILE	33.60	793.52	-551.	-0.01	60628.	2106.	8.01	0.0290	16.	51.	0.00
MILE	31.50	793.51	-1356.	-0.05	30021.	1728.	10.30	0.0250	18.	55.	0.00
MILE	30.10	793.51	-1793.	-0.06	31560.	868.	9.82	0.0200	13.	53.	0.00
MILE	29.00	793.51	-2031.	-0.06	35267.	1036.	10.70	0.0200	15.	54.	0.00
MILE	27.30	793.51	-2370.	-0.06	36622.	1036.	11.10	0.0230	20.	56.	0.00
MILE	25.20	793.50	-2673.	-0.06	45423.	1034.	11.93	0.0230	22.	59.	0.00
MILE	23.10	793.49	-2996.	-0.08	37347.	1064.	11.35	0.0230	22.	63.	0.00

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.99	6755.	3.95	1708.	335.	3.27	0.0290	22.	7.	0.31
MILE	77.70	821.28	6778.	2.89	2344.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6802.	3.00	2264.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.18	6828.	3.01	2268.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.04	6856.	2.34	2927.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.40	6884.	2.74	2517.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.41	6903.	2.58	2671.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	795.91	6905.	2.54	2723.	394.	3.64	0.0320	22.	9.	0.17

MILE	63.00	794.94	6885.	1.83	3757.	353.	4.78	0.0400	22.	14.	0.10
MILE	60.90	794.07	6821.	1.47	4627.	356.	5.73	0.0450	22.	18.	0.07
MILE	58.80	793.67	4651.	0.83	5621.	350.	6.09	0.0400	-1980.	21.	0.04
MILE	57.00	793.65	4538.	0.73	6218.	391.	5.94	0.0200	20.	19.	0.03
MILE	55.00	793.64	4419.	0.70	6341.	453.	6.45	0.0200	20.	20.	0.03
MILE	53.10	793.64	4219.	0.48	8703.	558.	5.93	0.0200	21.	20.	0.02
MILE	51.00	793.65	3817.	0.40	9461.	907.	6.07	0.0200	25.	24.	0.02
MILE	48.30	793.66	3185.	0.25	12624.	1602.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.65	2889.	0.19	15235.	1792.	6.67	0.0200	22.	32.	0.01
MILE	44.10	793.65	2336.	0.09	27193.	1488.	7.98	0.0300	13.	38.	0.00
MILE	43.70	793.65	2254.	0.16	14116.	1347.	8.26	0.0300	11.	41.	0.01
MILE	42.00	793.65	1986.	0.11	18300.	1314.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.63	1793.	0.10	17779.	1335.	7.82	0.0230	26.	43.	0.00
MILE	37.00	793.62	1453.	0.05	31206.	1105.	7.18	0.0280	16.	42.	0.00
MILE	36.00	793.62	1282.	0.07	19403.	889.	8.31	0.0280	12.	45.	0.00
MILE	34.60	793.62	1013.	0.03	29606.	1210.	9.58	0.0280	12.	45.	0.00
MILE	33.60	793.62	780.	0.01	60892.	2113.	8.03	0.0290	16.	51.	0.00
MILE	31.50	793.61	291.	0.01	30108.	1733.	10.32	0.0250	18.	55.	0.00
MILE	30.10	793.61	-27.	0.00	31663.	871.	9.84	0.0200	13.	53.	0.00
MILE	29.00	793.61	-185.	-0.01	35365.	1040.	10.71	0.0200	15.	54.	0.00
MILE	27.30	793.61	-378.	-0.01	36717.	1040.	11.12	0.0230	20.	57.	0.00
MILE	25.20	793.60	-566.	-0.01	45537.	1038.	11.94	0.0230	22.	59.	0.00
MILE	23.10	793.60	-878.	-0.02	37451.	1068.	11.37	0.0230	22.	64.	0.00

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.97	6745.	3.96	1703.	335.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.28	6774.	2.89	2343.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.35	6808.	3.01	2266.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.19	6838.	3.01	2271.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.04	6863.	2.34	2930.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.40	6884.	2.73	2518.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6905.	2.58	2673.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	795.96	6910.	2.52	2741.	396.	3.65	0.0320	22.	9.	0.17
MILE	63.00	795.03	6806.	1.80	3789.	356.	4.80	0.0400	22.	14.	0.10
MILE	60.90	794.22	6660.	1.42	4679.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.84	4593.	0.81	5682.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	4528.	0.72	6286.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.79	4411.	0.69	6395.	455.	6.47	0.0200	20.	20.	0.03
MILE	53.10	793.76	4316.	0.49	8775.	560.	5.95	0.0200	21.	20.	0.02
MILE	51.00	793.74	4253.	0.45	9504.	909.	6.08	0.0200	25.	24.	0.02
MILE	48.30	793.72	4075.	0.32	12693.	1605.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.72	3418.	0.22	15295.	1797.	6.68	0.0200	22.	32.	0.01
MILE	44.10	793.72	3150.	0.12	27269.	1492.	7.99	0.0300	13.	39.	0.00
MILE	43.70	793.71	3112.	0.22	14148.	1350.	8.25	0.0300	11.	41.	0.01

MILE	42.00	793.71	2972.	0.16	18370.	1316.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.69	2728.	0.15	17831.	1338.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.69	2739.	0.09	31313.	1108.	7.19	0.0280	16.	42.	0.00
MILE	36.00	793.68	2730.	0.14	19454.	891.	8.31	0.0280	12.	45.	0.01
MILE	34.60	793.68	2703.	0.09	29664.	1213.	9.59	0.0280	12.	45.	0.00
MILE	33.60	793.67	2701.	0.04	61045.	2117.	8.04	0.0290	16.	51.	0.00
MILE	31.50	793.67	2754.	0.09	30159.	1737.	10.33	0.0250	18.	55.	0.00
MILE	30.10	793.66	2729.	0.09	31715.	873.	9.84	0.0200	13.	53.	0.00
MILE	29.00	793.66	2719.	0.08	35412.	1042.	10.72	0.0200	15.	54.	0.00
MILE	27.30	793.65	2723.	0.07	36762.	1041.	11.12	0.0230	20.	57.	0.00
MILE	25.20	793.64	2729.	0.06	45582.	1039.	11.95	0.0230	22.	59.	0.00
MILE	23.10	793.64	2567.	0.07	37489.	1070.	11.37	0.0230	22.	64.	0.00

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.96	6747.	3.97	1700.	334.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.28	6774.	2.89	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6803.	3.00	2265.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.19	6833.	3.01	2271.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.04	6861.	2.34	2930.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.40	6889.	2.73	2519.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.43	6914.	2.58	2679.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.01	6913.	2.50	2764.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.10	6876.	1.80	3813.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.26	6864.	1.46	4693.	358.	5.78	0.0450	22.	18.	0.07
MILE	58.80	793.87	4807.	0.84	5694.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.85	4765.	0.76	6300.	394.	5.98	0.0200	20.	19.	0.03
MILE	55.00	793.82	4757.	0.74	6409.	456.	6.48	0.0200	20.	20.	0.03
MILE	53.10	793.81	4778.	0.54	8800.	561.	5.96	0.0200	21.	21.	0.02
MILE	51.00	793.79	4803.	0.50	9530.	911.	6.08	0.0200	25.	25.	0.03
MILE	48.30	793.77	4856.	0.38	12744.	1608.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.75	5062.	0.33	15320.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5025.	0.18	27303.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5013.	0.35	14163.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.73	4947.	0.27	18399.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.71	4898.	0.27	17841.	1339.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.70	4780.	0.15	31329.	1108.	7.19	0.0280	16.	42.	0.01
MILE	36.00	793.69	4734.	0.24	19463.	892.	8.31	0.0280	12.	45.	0.01
MILE	34.60	793.69	4668.	0.16	29680.	1213.	9.59	0.0280	12.	45.	0.01
MILE	33.60	793.69	4584.	0.08	61092.	2119.	8.05	0.0290	16.	51.	0.00
MILE	31.50	793.69	4358.	0.14	30177.	1738.	10.33	0.0250	18.	55.	0.01
MILE	30.10	793.69	4272.	0.13	31741.	873.	9.85	0.0200	13.	53.	0.00
MILE	29.00	793.68	4216.	0.12	35439.	1043.	10.73	0.0200	15.	54.	0.00
MILE	27.30	793.68	4088.	0.11	36792.	1043.	11.13	0.0230	20.	57.	0.00
MILE	25.20	793.68	3873.	0.08	45625.	1041.	11.95	0.0230	22.	59.	0.00

MILE	23.10	793.68	3745.	0.10	37527.	1071.	11.38	0.0230	22.	64.	0.00

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6736.	3.97	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6762.	2.89	2339.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.34	6794.	3.00	2263.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.19	6827.	3.01	2270.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.04	6856.	2.34	2930.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.40	6883.	2.73	2519.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.43	6907.	2.58	2679.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.04	6919.	2.49	2774.	400.	3.68	0.0320	22.	9.	0.17
MILE	63.00	795.12	6920.	1.81	3822.	360.	4.82	0.0400	22.	14.	0.10
MILE	60.90	794.27	6956.	1.48	4696.	358.	5.78	0.0450	22.	18.	0.07
MILE	58.80	793.85	5051.	0.89	5686.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.82	5133.	0.82	6289.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.79	5204.	0.81	6398.	455.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.78	5254.	0.60	8783.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.76	5305.	0.56	9515.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.75	5351.	0.42	12723.	1607.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.74	5371.	0.35	15315.	1798.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.74	5363.	0.20	27303.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.74	5356.	0.38	14163.	1351.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.74	5292.	0.29	18412.	1318.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.74	5133.	0.29	17868.	1341.	7.83	0.0230	26.	43.	0.01
MILE	37.00	793.74	5019.	0.16	31403.	1110.	7.20	0.0280	16.	42.	0.01
MILE	36.00	793.74	5000.	0.26	19502.	893.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.74	4967.	0.17	29731.	1215.	9.60	0.0280	12.	45.	0.01
MILE	33.60	793.74	4846.	0.08	61237.	2123.	8.06	0.0290	16.	51.	0.00
MILE	31.50	793.75	4415.	0.15	30232.	1742.	10.34	0.0250	18.	55.	0.01
MILE	30.10	793.75	4322.	0.14	31806.	875.	9.86	0.0200	13.	53.	0.00
MILE	29.00	793.75	4256.	0.12	35503.	1045.	10.74	0.0200	15.	54.	0.00
MILE	27.30	793.75	4100.	0.11	36859.	1045.	11.14	0.0230	20.	57.	0.00
MILE	25.20	793.75	3927.	0.09	45699.	1043.	11.96	0.0230	22.	59.	0.00
MILE	23.10	793.75	3786.	0.10	37593.	1074.	11.39	0.0230	22.	64.	0.00

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6750.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31

MILE	77.70	821.27	6773.	2.89	2341.	315.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.34	6795.	3.00	2262.	279.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6819.	3.01	2268.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.04	6844.	2.34	2927.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.39	6869.	2.73	2516.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.43	6893.	2.58	2677.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.03	6921.	2.50	2772.	400.	3.68	0.0320	22.	9.	0.17
MILE	63.00	795.11	6960.	1.82	3816.	359.	4.81	0.0400	22.	14.	0.10
MILE	60.90	794.25	6996.	1.49	4687.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.83	5013.	0.88	5678.	352.	6.11	0.0400	-1980.	21.	0.04
MILE	57.00	793.81	5016.	0.80	6283.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.78	5006.	0.78	6395.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.78	4974.	0.57	8782.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.77	4907.	0.52	9520.	910.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.77	4791.	0.38	12745.	1608.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.77	4537.	0.30	15338.	1800.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.77	4375.	0.16	27339.	1495.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.77	4352.	0.31	14180.	1352.	8.25	0.0300	11.	41.	0.02
MILE	42.00	793.78	4274.	0.23	18455.	1320.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.78	3974.	0.22	17904.	1343.	7.84	0.0230	26.	43.	0.01
MILE	37.00	793.79	3521.	0.11	31485.	1112.	7.22	0.0280	16.	42.	0.00
MILE	36.00	793.80	3371.	0.17	19547.	895.	8.32	0.0280	12.	45.	0.01
MILE	34.60	793.81	3193.	0.11	29793.	1218.	9.60	0.0280	12.	45.	0.00
MILE	33.60	793.81	2980.	0.05	61408.	2127.	8.07	0.0290	16.	51.	0.00
MILE	31.50	793.81	2413.	0.08	30291.	1746.	10.35	0.0250	18.	55.	0.00
MILE	30.10	793.82	2240.	0.07	31880.	877.	9.87	0.0200	13.	53.	0.00
MILE	29.00	793.82	2127.	0.06	35577.	1048.	10.75	0.0200	15.	54.	0.00
MILE	27.30	793.83	1864.	0.05	36936.	1048.	11.15	0.0230	20.	57.	0.00
MILE	25.20	793.84	1434.	0.03	45796.	1046.	11.98	0.0230	22.	59.	0.00
MILE	23.10	793.85	1127.	0.03	37688.	1077.	11.40	0.0230	22.	64.	0.00

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.96	6763.	3.98	1699.	334.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.28	6784.	2.90	2343.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6801.	3.01	2263.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.18	6819.	3.01	2268.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6838.	2.34	2926.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6859.	2.73	2513.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6884.	2.57	2674.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.03	6913.	2.50	2770.	399.	3.68	0.0320	22.	9.	0.17
MILE	63.00	795.12	6920.	1.81	3819.	360.	4.82	0.0400	22.	14.	0.10
MILE	60.90	794.28	6894.	1.47	4700.	359.	5.78	0.0450	22.	18.	0.07
MILE	58.80	793.89	4837.	0.85	5700.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.87	4775.	0.76	6309.	394.	5.99	0.0200	20.	19.	0.03

MILE	55.00	793.85	4697.	0.73	6419.	456.	6.48	0.0200	20.	20.	0.03
MILE	53.10	793.84	4609.	0.52	8822.	562.	5.96	0.0200	21.	21.	0.02
MILE	51.00	793.84	4422.	0.46	9554.	912.	6.09	0.0200	25.	25.	0.03
MILE	48.30	793.85	3754.	0.29	12831.	1612.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.85	3159.	0.20	15412.	1805.	6.71	0.0200	22.	32.	0.01
MILE	44.10	793.86	2514.	0.09	27445.	1499.	8.02	0.0300	13.	39.	0.00
MILE	43.70	793.86	2406.	0.17	14227.	1357.	8.24	0.0300	11.	41.	0.01
MILE	42.00	793.87	1945.	0.10	18574.	1324.	6.16	0.0300	24.	44.	0.00
MILE	39.10	793.89	1232.	0.07	17993.	1348.	7.85	0.0230	26.	43.	0.00
MILE	37.00	793.90	1008.	0.03	31650.	1116.	7.24	0.0280	16.	43.	0.00
MILE	36.00	793.90	921.	0.05	19628.	898.	8.33	0.0280	12.	45.	0.00
MILE	34.60	793.91	765.	0.03	29892.	1222.	9.62	0.0280	12.	45.	0.00
MILE	33.60	793.91	555.	0.01	61671.	2134.	8.09	0.0290	16.	51.	0.00
MILE	31.50	793.91	-26.	0.00	30377.	1751.	10.36	0.0250	18.	55.	0.00
MILE	30.10	793.92	-288.	-0.01	31982.	880.	9.89	0.0200	13.	53.	0.00
MILE	29.00	793.92	-429.	-0.01	35676.	1051.	10.77	0.0200	15.	54.	0.00
MILE	27.30	793.93	-640.	-0.02	37031.	1051.	11.16	0.0230	20.	57.	0.00
MILE	25.20	793.93	-827.	-0.02	45892.	1049.	11.99	0.0230	22.	59.	0.00
MILE	23.10	793.93	-1054.	-0.03	37764.	1080.	11.42	0.0230	22.	64.	0.00

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.96	6769.	3.98	1700.	334.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.28	6789.	2.90	2344.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6807.	3.01	2264.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.19	6824.	3.01	2268.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.03	6843.	2.34	2926.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.39	6865.	2.73	2514.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6889.	2.58	2675.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.05	6907.	2.48	2780.	400.	3.68	0.0320	22.	9.	0.17
MILE	63.00	795.17	6864.	1.79	3837.	362.	4.83	0.0400	22.	14.	0.10
MILE	60.90	794.38	6742.	1.42	4732.	360.	5.80	0.0450	22.	18.	0.07
MILE	58.80	794.03	4546.	0.79	5752.	354.	6.14	0.0400	-1980.	21.	0.03
MILE	57.00	794.01	4387.	0.69	6372.	396.	6.02	0.0200	20.	19.	0.03
MILE	55.00	794.00	4186.	0.65	6476.	458.	6.50	0.0200	20.	21.	0.03
MILE	53.10	794.00	3935.	0.44	8918.	565.	5.99	0.0200	21.	21.	0.02
MILE	51.00	794.00	3530.	0.37	9637.	918.	6.11	0.0200	25.	25.	0.02
MILE	48.30	794.00	2880.	0.22	12999.	1620.	4.91	0.0200	25.	25.	0.01
MILE	46.20	794.00	2101.	0.14	15538.	1814.	6.73	0.0200	22.	32.	0.01
MILE	44.10	794.00	1349.	0.05	27607.	1506.	8.04	0.0300	13.	39.	0.00
MILE	43.70	794.00	1241.	0.09	14297.	1363.	8.23	0.0300	11.	41.	0.00
MILE	42.00	794.00	875.	0.05	18723.	1330.	6.16	0.0300	24.	44.	0.00
MILE	39.10	794.00	298.	0.02	18077.	1352.	7.86	0.0230	26.	43.	0.00
MILE	37.00	794.00	-186.	-0.01	31814.	1120.	7.26	0.0280	16.	43.	0.00
MILE	36.00	794.00	-397.	-0.02	19708.	901.	8.34	0.0280	12.	45.	0.00

MILE	34.60	794.00	-696.	-0.02	29987.	1226.	9.63	0.0280	12.	46.	0.00
MILE	33.60	794.00	-931.	-0.02	61922.	2141.	8.11	0.0290	16.	51.	0.00
MILE	31.50	794.00	-1369.	-0.04	30459.	1757.	10.37	0.0250	18.	55.	0.00
MILE	30.10	794.00	-1625.	-0.05	32072.	883.	9.91	0.0200	13.	53.	0.00
MILE	29.00	794.00	-1757.	-0.05	35758.	1054.	10.78	0.0200	15.	54.	0.00
MILE	27.30	794.00	-1940.	-0.05	37107.	1054.	11.17	0.0230	20.	57.	0.00
MILE	25.20	794.00	-2141.	-0.05	45974.	1052.	12.00	0.0230	22.	60.	0.00
MILE	23.10	794.01	-2448.	-0.06	37840.	1083.	11.43	0.0230	22.	64.	0.00

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.96	6761.	3.98	1699.	334.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.28	6783.	2.89	2343.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6808.	3.01	2265.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.19	6831.	3.01	2270.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.04	6855.	2.34	2929.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.40	6881.	2.73	2517.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.43	6906.	2.58	2682.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.12	6904.	2.46	2806.	404.	3.70	0.0320	22.	9.	0.16
MILE	63.00	795.28	6784.	1.75	3878.	368.	4.85	0.0400	22.	14.	0.09
MILE	60.90	794.55	6636.	1.39	4788.	362.	5.84	0.0450	22.	18.	0.07
MILE	58.80	794.20	4504.	0.77	5818.	356.	6.16	0.0400	-1980.	21.	0.03
MILE	57.00	794.19	4367.	0.68	6446.	399.	6.06	0.0200	20.	19.	0.03
MILE	55.00	794.17	4181.	0.64	6540.	461.	6.53	0.0200	20.	21.	0.03
MILE	53.10	794.16	4006.	0.44	9015.	568.	6.02	0.0200	21.	21.	0.02
MILE	51.00	794.15	3752.	0.39	9711.	922.	6.13	0.0200	25.	25.	0.02
MILE	48.30	794.14	3047.	0.23	13158.	1628.	4.91	0.0200	25.	25.	0.01
MILE	46.20	794.13	2285.	0.15	15660.	1822.	6.75	0.0200	22.	32.	0.01
MILE	44.10	794.13	1670.	0.06	27765.	1513.	8.06	0.0300	13.	39.	0.00
MILE	43.70	794.13	1571.	0.11	14367.	1369.	8.22	0.0300	11.	41.	0.01
MILE	42.00	794.12	1153.	0.06	18880.	1336.	6.16	0.0300	24.	44.	0.00
MILE	39.10	794.12	356.	0.02	18182.	1358.	7.87	0.0230	26.	43.	0.00
MILE	37.00	794.12	19.	0.00	32008.	1124.	7.29	0.0280	16.	43.	0.00
MILE	36.00	794.12	-142.	-0.01	19803.	905.	8.35	0.0280	12.	45.	0.00
MILE	34.60	794.12	-416.	-0.01	30101.	1231.	9.64	0.0280	12.	46.	0.00
MILE	33.60	794.12	-677.	-0.01	62227.	2150.	8.13	0.0290	16.	51.	0.00
MILE	31.50	794.11	-1250.	-0.04	30559.	1764.	10.39	0.0250	18.	55.	0.00
MILE	30.10	794.11	-1568.	-0.05	32185.	886.	9.93	0.0200	13.	53.	0.00
MILE	29.00	794.11	-1738.	-0.05	35864.	1058.	10.80	0.0200	15.	54.	0.00
MILE	27.30	794.11	-1987.	-0.05	37208.	1058.	11.19	0.0230	20.	57.	0.00
MILE	25.20	794.10	-2239.	-0.05	46084.	1056.	12.01	0.0230	22.	60.	0.00
MILE	23.10	794.10	-2542.	-0.07	37925.	1087.	11.44	0.0230	22.	64.	0.00

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TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6752.	3.98	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.28	6777.	2.89	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6807.	3.01	2265.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.19	6837.	3.01	2271.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.05	6867.	2.34	2932.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.41	6896.	2.73	2521.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.45	6919.	2.57	2690.	406.	2.96	0.0340	22.	10.	0.18
MILE	65.10	796.20	6909.	2.43	2838.	407.	3.73	0.0320	22.	9.	0.16
MILE	63.00	795.38	6812.	1.74	3915.	373.	4.88	0.0400	22.	14.	0.09
MILE	60.90	794.66	6696.	1.39	4826.	363.	5.87	0.0450	22.	18.	0.07
MILE	58.80	794.32	4561.	0.78	5863.	358.	6.18	0.0400	-1980.	21.	0.03
MILE	57.00	794.30	4478.	0.69	6496.	400.	6.08	0.0200	20.	20.	0.03
MILE	55.00	794.28	4392.	0.67	6582.	463.	6.54	0.0200	20.	21.	0.03
MILE	53.10	794.27	4259.	0.47	9085.	570.	6.05	0.0200	21.	21.	0.02
MILE	51.00	794.27	3984.	0.41	9774.	926.	6.15	0.0200	25.	25.	0.02
MILE	48.30	794.26	3447.	0.26	13297.	1635.	4.91	0.0200	25.	25.	0.02
MILE	46.20	794.25	3016.	0.19	15764.	1830.	6.77	0.0200	22.	32.	0.01
MILE	44.10	794.25	2463.	0.09	27907.	1519.	8.08	0.0300	13.	39.	0.00
MILE	43.70	794.25	2380.	0.16	14430.	1375.	8.21	0.0300	11.	41.	0.01
MILE	42.00	794.24	2093.	0.11	19023.	1341.	6.16	0.0300	24.	44.	0.01
MILE	39.10	794.22	1798.	0.10	18263.	1363.	7.88	0.0230	26.	43.	0.00
MILE	37.00	794.21	1616.	0.05	32157.	1128.	7.31	0.0280	16.	43.	0.00
MILE	36.00	794.21	1550.	0.08	19874.	907.	8.36	0.0280	12.	45.	0.00
MILE	34.60	794.20	1451.	0.05	30184.	1235.	9.66	0.0280	12.	46.	0.00
MILE	33.60	794.20	1325.	0.02	62446.	2156.	8.15	0.0290	16.	51.	0.00
MILE	31.50	794.19	985.	0.03	30632.	1768.	10.40	0.0250	18.	55.	0.00
MILE	30.10	794.19	849.	0.03	32263.	889.	9.94	0.0200	13.	53.	0.00
MILE	29.00	794.18	785.	0.02	35935.	1061.	10.81	0.0200	15.	54.	0.00
MILE	27.30	794.18	688.	0.02	37276.	1060.	11.20	0.0230	20.	57.	0.00
MILE	25.20	794.17	582.	0.01	46154.	1058.	12.02	0.0230	22.	60.	0.00
MILE	23.10	794.16	408.	0.01	37982.	1089.	11.45	0.0230	22.	64.	0.00

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TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6766.	3.99	1696.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.28	6792.	2.90	2344.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.35	6817.	3.01	2266.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.20	6844.	3.01	2273.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.05	6872.	2.34	2934.	294.	3.72	0.0400	22.	11.	0.13

MILE	69.30	805.41	6898.	2.73	2523.	352.	3.18	0.0340	22.	7.	0.18
MILE	67.20	800.46	6921.	2.57	2695.	407.	2.96	0.0340	22.	10.	0.18
MILE	65.10	796.27	6916.	2.41	2865.	410.	3.75	0.0320	22.	9.	0.16
MILE	63.00	795.47	6836.	1.73	3946.	377.	4.90	0.0400	22.	14.	0.09
MILE	60.90	794.76	6745.	1.39	4859.	364.	5.89	0.0450	22.	18.	0.07
MILE	58.80	794.41	4696.	0.80	5896.	359.	6.19	0.0400	-1980.	21.	0.03
MILE	57.00	794.39	4652.	0.71	6534.	402.	6.10	0.0200	20.	20.	0.03
MILE	55.00	794.37	4583.	0.69	6614.	464.	6.55	0.0200	20.	21.	0.03
MILE	53.10	794.35	4535.	0.50	9132.	571.	6.06	0.0200	21.	21.	0.02
MILE	51.00	794.33	4519.	0.46	9806.	928.	6.16	0.0200	25.	25.	0.02
MILE	48.30	794.31	4534.	0.34	13355.	1638.	4.90	0.0200	25.	25.	0.02
MILE	46.20	794.30	4360.	0.28	15809.	1833.	6.78	0.0200	22.	33.	0.02
MILE	44.10	794.29	4285.	0.15	27961.	1522.	8.09	0.0300	13.	39.	0.01
MILE	43.70	794.29	4274.	0.30	14453.	1377.	8.21	0.0300	11.	41.	0.02
MILE	42.00	794.28	4223.	0.22	19070.	1343.	6.16	0.0300	24.	44.	0.01
MILE	39.10	794.27	3974.	0.22	18300.	1365.	7.88	0.0230	26.	43.	0.01
MILE	37.00	794.27	3670.	0.11	32246.	1130.	7.32	0.0280	16.	43.	0.00
MILE	36.00	794.26	3573.	0.18	19920.	909.	8.36	0.0280	12.	45.	0.01
MILE	34.60	794.26	3446.	0.11	30244.	1237.	9.66	0.0280	12.	46.	0.00
MILE	33.60	794.26	3271.	0.05	62609.	2160.	8.16	0.0290	16.	51.	0.00
MILE	31.50	794.26	2789.	0.09	30690.	1772.	10.41	0.0250	18.	55.	0.00
MILE	30.10	794.26	2673.	0.08	32335.	891.	9.95	0.0200	13.	53.	0.00
MILE	29.00	794.25	2590.	0.07	36006.	1063.	10.82	0.0200	15.	55.	0.00
MILE	27.30	794.25	2368.	0.06	37348.	1063.	11.21	0.0230	20.	57.	0.00
MILE	25.20	794.25	2000.	0.04	46245.	1061.	12.03	0.0230	22.	60.	0.00
MILE	23.10	794.25	1731.	0.05	38068.	1092.	11.47	0.0230	22.	64.	0.00

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TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.93	6758.	4.00	1691.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.28	6786.	2.90	2343.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.35	6818.	3.01	2267.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.20	6848.	3.01	2274.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.06	6874.	2.34	2935.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.41	6898.	2.73	2524.	352.	3.18	0.0340	22.	7.	0.18
MILE	67.20	800.46	6919.	2.56	2698.	407.	2.96	0.0340	22.	10.	0.18
MILE	65.10	796.31	6921.	2.40	2884.	412.	3.76	0.0320	22.	9.	0.16
MILE	63.00	795.51	6905.	1.74	3963.	379.	4.91	0.0400	22.	15.	0.10
MILE	60.90	794.77	6933.	1.43	4865.	364.	5.90	0.0450	22.	18.	0.07
MILE	58.80	794.41	4978.	0.84	5894.	359.	6.19	0.0400	-1980.	21.	0.04
MILE	57.00	794.38	5017.	0.77	6530.	401.	6.10	0.0200	20.	20.	0.03
MILE	55.00	794.36	5068.	0.77	6610.	464.	6.55	0.0200	20.	21.	0.04
MILE	53.10	794.35	5104.	0.56	9128.	571.	6.06	0.0200	21.	21.	0.02
MILE	51.00	794.34	5100.	0.52	9808.	928.	6.16	0.0200	25.	25.	0.03
MILE	48.30	794.33	4921.	0.37	13379.	1639.	4.90	0.0200	25.	25.	0.02

MILE	46.20	794.33	4773.	0.30	15831.	1834.	6.79	0.0200	22.	33.	0.02
MILE	44.10	794.33	4597.	0.16	28003.	1523.	8.10	0.0300	13.	39.	0.01
MILE	43.70	794.33	4579.	0.32	14472.	1378.	8.21	0.0300	11.	41.	0.02
MILE	42.00	794.32	4590.	0.24	19121.	1345.	6.16	0.0300	24.	44.	0.01
MILE	39.10	794.28	5292.	0.29	18308.	1365.	7.88	0.0230	26.	43.	0.01
MILE	37.00	794.24	6252.	0.19	32208.	1129.	7.32	0.0280	16.	43.	0.01
MILE	36.00	794.23	6634.	0.33	19892.	908.	8.36	0.0280	12.	45.	0.01
MILE	34.60	794.21	7160.	0.24	30197.	1235.	9.66	0.0280	12.	46.	0.01
MILE	33.60	794.21	7652.	0.12	62469.	2156.	8.15	0.0290	16.	51.	0.00
MILE	31.50	794.19	8763.	0.29	30626.	1768.	10.40	0.0250	18.	55.	0.01
MILE	30.10	794.17	9315.	0.29	32246.	888.	9.94	0.0200	13.	53.	0.01
MILE	29.00	794.16	9687.	0.27	35913.	1060.	10.80	0.0200	15.	54.	0.01
MILE	27.30	794.14	10366.	0.28	37244.	1059.	11.19	0.0230	20.	57.	0.01
MILE	25.20	794.12	11064.	0.24	46099.	1056.	12.02	0.0230	22.	60.	0.01
MILE	23.10	794.09	11576.	0.31	37916.	1086.	11.44	0.0230	22.	64.	0.01

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TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.93	6767.	4.00	1690.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.28	6792.	2.90	2343.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.35	6817.	3.01	2266.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.20	6843.	3.01	2273.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.05	6868.	2.34	2935.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.41	6891.	2.73	2523.	352.	3.18	0.0340	22.	7.	0.18
MILE	67.20	800.46	6912.	2.56	2698.	407.	2.96	0.0340	22.	10.	0.18
MILE	65.10	796.32	6932.	2.40	2887.	413.	3.77	0.0320	22.	9.	0.16
MILE	63.00	795.52	6948.	1.75	3964.	380.	4.91	0.0400	22.	15.	0.10
MILE	60.90	794.78	6937.	1.43	4866.	364.	5.90	0.0450	22.	18.	0.07
MILE	58.80	794.42	4906.	0.83	5899.	359.	6.19	0.0400	-1980.	21.	0.04
MILE	57.00	794.40	4899.	0.75	6537.	402.	6.10	0.0200	20.	20.	0.03
MILE	55.00	794.37	4930.	0.75	6615.	464.	6.55	0.0200	20.	21.	0.03
MILE	53.10	794.34	5062.	0.55	9127.	571.	6.06	0.0200	21.	21.	0.02
MILE	51.00	794.30	5459.	0.56	9792.	927.	6.16	0.0200	25.	25.	0.03
MILE	48.30	794.24	6818.	0.51	13271.	1634.	4.91	0.0200	25.	25.	0.03
MILE	46.20	794.21	8052.	0.51	15724.	1827.	6.77	0.0200	22.	32.	0.03
MILE	44.10	794.18	9148.	0.33	27828.	1516.	8.07	0.0300	13.	39.	0.01
MILE	43.70	794.17	9314.	0.65	14389.	1371.	8.22	0.0300	11.	41.	0.04
MILE	42.00	794.14	9938.	0.53	18893.	1336.	6.16	0.0300	24.	44.	0.02
MILE	39.10	794.10	10401.	0.57	18159.	1357.	7.87	0.0230	26.	43.	0.03
MILE	37.00	794.12	9867.	0.31	32004.	1124.	7.29	0.0280	16.	43.	0.01
MILE	36.00	794.12	9640.	0.49	19802.	905.	8.35	0.0280	12.	45.	0.02
MILE	34.60	794.12	9330.	0.31	30106.	1231.	9.65	0.0280	12.	46.	0.01
MILE	33.60	794.12	9073.	0.15	62250.	2150.	8.13	0.0290	16.	51.	0.00
MILE	31.50	794.13	8584.	0.28	30576.	1765.	10.39	0.0250	18.	55.	0.01
MILE	30.10	794.14	8330.	0.26	32216.	887.	9.93	0.0200	13.	53.	0.01

MILE	29.00	794.15	8120.	0.23	35900.	1059.	10.80	0.0200	15.	54.	0.01
MILE	27.30	794.15	7673.	0.21	37254.	1060.	11.20	0.0230	20.	57.	0.01
MILE	25.20	794.17	7211.	0.16	46159.	1058.	12.02	0.0230	22.	60.	0.00
MILE	23.10	794.20	6782.	0.18	38020.	1090.	11.46	0.0230	22.	64.	0.01

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TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.92	6763.	4.01	1689.	334.	3.24	0.0290	22.	7.	0.31
MILE	77.70	821.28	6787.	2.90	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.35	6812.	3.01	2266.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.20	6837.	3.01	2272.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.05	6860.	2.34	2933.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.41	6884.	2.73	2521.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.46	6907.	2.56	2697.	407.	2.96	0.0340	22.	10.	0.18
MILE	65.10	796.32	6926.	2.40	2886.	413.	3.77	0.0320	22.	9.	0.16
MILE	63.00	795.49	7021.	1.78	3952.	378.	4.90	0.0400	22.	14.	0.10.
MILE	60.90	794.66	7304.	1.51	4825.	363.	5.87	0.0450	22.	18.	0.07
MILE	58.80	794.19	5729.	0.99	5814.	356.	6.16	0.0400	-1980.	21.	0.04
MILE	57.00	794.16	6056.	0.94	6433.	398.	6.05	0.0200	20.	19.	0.04
MILE	55.00	794.12	6402.	0.98	6520.	460.	6.52	0.0200	20.	21.	0.05
MILE	53.10	794.10	6705.	0.75	8980.	567.	6.01	0.0200	21.	21.	0.03
MILE	51.00	794.09	6993.	0.72	9685.	921.	6.13	0.0200	25.	25.	0.04
MILE	48.30	794.11	6814.	0.52	13129.	1627.	4.91	0.0200	25.	25.	0.03
MILE	46.20	794.13	6489.	0.41	15654.	1822.	6.75	0.0200	22.	32.	0.02
MILE	44.10	794.15	6272.	0.23	27789.	1514.	8.07	0.0300	13.	39.	0.01
MILE	43.70	794.15	6230.	0.43	14379.	1370.	8.22	0.0300	11.	41.	0.02
MILE	42.00	794.17	6001.	0.32	18938.	1338.	6.16	0.0300	24.	44.	0.01
MILE	39.10	794.18	5997.	0.33	18228.	1361.	7.87	0.0230	26.	43.	0.02
MILE	37.00	794.16	6973.	0.22	32079.	1126.	7.30	0.0280	16.	43.	0.01
MILE	36.00	794.16	7312.	0.37	19834.	906.	8.35	0.0280	12.	45.	0.01
MILE	34.60	794.16	7677.	0.25	30140.	1233.	9.65	0.0280	12.	46.	0.01
MILE	33.60	794.15	7996.	0.13	62333.	2152.	8.14	0.0290	16.	51.	0.00
MILE	31.50	794.15	8694.	0.28	30589.	1766.	10.39	0.0250	18.	55.	0.01
MILE	30.10	794.14	8961.	0.28	32216.	887.	9.93	0.0200	13.	53.	0.01
MILE	29.00	794.14	9194.	0.26	35893.	1059.	10.80	0.0200	15.	54.	0.01
MILE	27.30	794.13	9707.	0.26	37236.	1059.	11.19	0.0230	20.	57.	0.01
MILE	25.20	794.12	10218.	0.22	46098.	1056.	12.02	0.0230	22.	60.	0.01
MILE	23.10	794.09	10669.	0.28	37916.	1086.	11.44	0.0230	22.	64.	0.01

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.93	6767.	4.01	1689.	334.	3.24	0.0290	22.	7.	0.31
MILE	77.70	821.28	6788.	2.90	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6808.	3.01	2265.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.19	6829.	3.01	2271.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.04	6849.	2.34	2931.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.40	6865.	2.73	2517.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.44	6880.	2.56	2687.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.22	6942.	2.44	2847.	408.	3.74	0.0320	22.	9.	0.16
MILE	63.00	795.35	7103.	1.82	3903.	371.	4.87	0.0400	22.	14.	0.10
MILE	60.90	794.53	7128.	1.49	4784.	362.	5.84	0.0450	22.	18.	0.07
MILE	58.80	794.17	4925.	0.85	5804.	356.	6.16	0.0400	-1980.	21.	0.04
MILE	57.00	794.16	4757.	0.74	6434.	398.	6.05	0.0200	20.	19.	0.03
MILE	55.00	794.15	4602.	0.70	6533.	461.	6.52	0.0200	20.	21.	0.03
MILE	53.10	794.15	4487.	0.50	9010.	568.	6.02	0.0200	21.	21.	0.02
MILE	51.00	794.14	4456.	0.46	9709.	922.	6.13	0.0200	25.	25.	0.02
MILE	48.30	794.11	5197.	0.40	13123.	1627.	4.91	0.0200	25.	25.	0.02
MILE	46.20	794.09	6081.	0.39	15622.	1820.	6.75	0.0200	22.	32.	0.02
MILE	44.10	794.08	6646.	0.24	27704.	1510.	8.05	0.0300	13.	39.	0.01
MILE	43.70	794.07	6745.	0.47	14337.	1366.	8.23	0.0300	11.	41.	0.03
MILE	42.00	794.06	7209.	0.38	18795.	1333.	6.16	0.0300	24.	44.	0.02
MILE	39.10	794.04	7778.	0.43	18109.	1354.	7.86	0.0230	26.	43.	0.02
MILE	37.00	794.06	7061.	0.22	31914.	1122.	7.28	0.0280	16.	43.	0.01
MILE	36.00	794.07	6797.	0.34	19761.	903.	8.35	0.0280	12.	45.	0.01
MILE	34.60	794.07	6495.	0.22	30060.	1229.	9.64	0.0280	12.	46.	0.01
MILE	33.60	794.08	6255.	0.10	62129.	2147.	8.12	0.0290	16.	51.	0.00
MILE	31.50	794.09	5814.	0.19	30539.	1762.	10.38	0.0250	18.	55.	0.01
MILE	30.10	794.10	5663.	0.18	32174.	886.	9.93	0.0200	13.	53.	0.01
MILE	29.00	794.11	5508.	0.15	35862.	1058.	10.80	0.0200	15.	54.	0.00
MILE	27.30	794.12	5148.	0.14	37221.	1058.	11.19	0.0230	20.	57.	0.00
MILE	25.20	794.15	4863.	0.11	46132.	1057.	12.02	0.0230	22.	60.	0.00
MILE	23.10	794.18	4492.	0.12	38001.	1090.	11.45	0.0230	22.	64.	0.00

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.93	6766.	4.00	1690.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.28	6785.	2.90	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6802.	3.01	2263.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.19	6818.	3.01	2268.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.04	6834.	2.34	2927.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.39	6855.	2.73	2514.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.44	6888.	2.57	2685.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.22	6916.	2.43	2845.	408.	3.73	0.0320	22.	9.	0.16

MILE	63.00	795.38	6907.	1.76	3914.	373.	4.88	0.0400	22.	14.	0.10
MILE	60.90	794.59	7018.	1.46	4802.	362.	5.85	0.0450	22.	18.	0.07
MILE	58.80	794.16	5302.	0.91	5802.	356.	6.16	0.0400	-1980.	21.	0.04
MILE	57.00	794.13	5498.	0.86	6421.	398.	6.05	0.0200	20.	19.	0.04
MILE	55.00	794.09	5655.	0.87	6511.	460.	6.52	0.0200	20.	21.	0.04
MILE	53.10	794.07	5785.	0.65	8962.	566.	6.01	0.0200	21.	21.	0.03
MILE	51.00	794.06	5890.	0.61	9666.	919.	6.12	0.0200	25.	25.	0.03
MILE	48.30	794.07	5350.	0.41	13083.	1625.	4.91	0.0200	25.	25.	0.03
MILE	46.20	794.09	4357.	0.28	15622.	1820.	6.75	0.0200	22.	32.	0.02
MILE	44.10	794.11	3856.	0.14	27738.	1512.	8.06	0.0300	13.	39.	0.01
MILE	43.70	794.11	3769.	0.26	14356.	1368.	8.22	0.0300	11.	41.	0.01
MILE	42.00	794.13	3344.	0.18	18887.	1336.	6.16	0.0300	24.	44.	0.01
MILE	39.10	794.15	2878.	0.16	18200.	1359.	7.87	0.0230	26.	43.	0.01
MILE	37.00	794.13	3746.	0.12	32032.	1125.	7.29	0.0280	16.	43.	0.00
MILE	36.00	794.13	4088.	0.21	19811.	905.	8.35	0.0280	12.	45.	0.01
MILE	34.60	794.12	4493.	0.15	30106.	1231.	9.65	0.0280	12.	46.	0.01
MILE	33.60	794.12	4807.	0.08	62235.	2150.	8.13	0.0290	16.	51.	0.00
MILE	31.50	794.11	5407.	0.18	30559.	1764.	10.39	0.0250	18.	55.	0.01
MILE	30.10	794.10	5698.	0.18	32178.	886.	9.93	0.0200	13.	53.	0.01
MILE	29.00	794.10	5943.	0.17	35855.	1058.	10.79	0.0200	15.	54.	0.01
MILE	27.30	794.10	6437.	0.17	37198.	1057.	11.19	0.0230	20.	57.	0.01
MILE	25.20	794.08	6834.	0.15	46054.	1055.	12.01	0.0230	22.	60.	0.00
MILE	23.10	794.05	7353.	0.19	37878.	1085.	11.44	0.0230	22.	64.	0.01

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.94	6763.	4.00	1693.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.27	6780.	2.90	2341.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6797.	3.00	2262.	279.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6817.	3.01	2268.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6839.	2.34	2926.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.39	6862.	2.73	2515.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.44	6881.	2.56	2683.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.18	6919.	2.44	2832.	406.	3.72	0.0320	22.	9.	0.16
MILE	63.00	795.32	7000.	1.80	3892.	370.	4.86	0.0400	22.	14.	0.10
MILE	60.90	794.54	6950.	1.45	4785.	362.	5.84	0.0450	22.	18.	0.07
MILE	58.80	794.20	4645.	0.80	5816.	356.	6.16	0.0400	-1980.	21.	0.03
MILE	57.00	794.19	4404.	0.68	6449.	399.	6.06	0.0200	20.	19.	0.03
MILE	55.00	794.19	4193.	0.64	6547.	461.	6.53	0.0200	20.	21.	0.03
MILE	53.10	794.19	4018.	0.44	9034.	568.	6.03	0.0200	21.	21.	0.02
MILE	51.00	794.18	3859.	0.40	9731.	923.	6.14	0.0200	25.	25.	0.02
MILE	48.30	794.14	4349.	0.33	13166.	1629.	4.91	0.0200	25.	25.	0.02
MILE	46.20	794.12	5280.	0.34	15646.	1821.	6.75	0.0200	22.	32.	0.02
MILE	44.10	794.10	5592.	0.20	27730.	1512.	8.06	0.0300	13.	39.	0.01
MILE	43.70	794.10	5656.	0.39	14349.	1367.	8.22	0.0300	11.	41.	0.02

MILE	42.00	794.07	6048.	0.32	18811.	1333.	6.16	0.0300	24.	44.	0.02
MILE	39.10	794.02	6977.	0.39	18094.	1353.	7.86	0.0230	26.	43.	0.02
MILE	37.00	794.01	6700.	0.21	31835.	1120.	7.27	0.0280	16.	43.	0.01
MILE	36.00	794.01	6604.	0.33	19714.	901.	8.34	0.0280	12.	45.	0.01
MILE	34.60	794.00	6548.	0.22	29990.	1226.	9.63	0.0280	12.	46.	0.01
MILE	33.60	794.00	6576.	0.11	61926.	2141.	8.11	0.0290	16.	51.	0.00
MILE	31.50	794.00	6822.	0.22	30454.	1757.	10.37	0.0250	18.	55.	0.01
MILE	30.10	793.99	7021.	0.22	32063.	883.	9.91	0.0200	13.	53.	0.01
MILE	29.00	793.99	7090.	0.20	35747.	1054.	10.78	0.0200	15.	54.	0.01
MILE	27.30	793.99	7141.	0.19	37095.	1054.	11.17	0.0230	20.	57.	0.01
MILE	25.20	794.00	7331.	0.16	45971.	1052.	12.00	0.0230	22.	60.	0.00
MILE	23.10	794.01	7380.	0.20	37840.	1083.	11.43	0.0230	22.	64.	0.01

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.92	6713.	3.98	1687.	334.	3.24	0.0290	22.	7.	0.31
MILE	77.70	821.25	6738.	2.89	2334.	314.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.33	6776.	3.00	2259.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6809.	3.00	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6837.	2.34	2926.	294.	3.72	0.0400	22.	11.	0.13
MILE	69.30	805.39	6863.	2.73	2515.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.44	6893.	2.57	2685.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.22	6900.	2.42	2846.	408.	3.73	0.0320	22.	9.	0.16
MILE	63.00	795.40	6835.	1.74	3922.	374.	4.88	0.0400	22.	14.	0.09
MILE	60.90	794.63	6914.	1.44	4817.	363.	5.86	0.0450	22.	18.	0.07
MILE	58.80	794.21	5235.	0.90	5822.	356.	6.16	0.0400	-1980.	21.	0.04
MILE	57.00	794.18	5472.	0.85	6442.	399.	6.06	0.0200	20.	19.	0.04
MILE	55.00	794.13	5669.	0.87	6526.	460.	6.52	0.0200	20.	21.	0.04
MILE	53.10	794.10	5871.	0.65	8980.	567.	6.01	0.0200	21.	21.	0.03
MILE	51.00	794.07	6206.	0.64	9670.	920.	6.12	0.0200	25.	25.	0.03
MILE	48.30	794.04	6537.	0.50	13046.	1623.	4.91	0.0200	25.	25.	0.03
MILE	46.20	794.04	6352.	0.41	15573.	1816.	6.74	0.0200	22.	32.	0.02
MILE	44.10	794.03	6753.	0.24	27647.	1508.	8.05	0.0300	13.	39.	0.01
MILE	43.70	794.03	6807.	0.48	14313.	1364.	8.23	0.0300	11.	41.	0.03
MILE	42.00	794.02	6911.	0.37	18753.	1331.	6.16	0.0300	24.	44.	0.02
MILE	39.10	794.02	6684.	0.37	18095.	1353.	7.86	0.0230	26.	43.	0.02
MILE	37.00	794.02	7183.	0.23	31843.	1120.	7.27	0.0280	16.	43.	0.01
MILE	36.00	794.01	7374.	0.37	19716.	901.	8.34	0.0280	12.	45.	0.01
MILE	34.60	794.00	7603.	0.25	29988.	1226.	9.63	0.0280	12.	46.	0.01
MILE	33.60	794.00	7792.	0.13	61918.	2141.	8.11	0.0290	16.	51.	0.00
MILE	31.50	794.00	8149.	0.27	30455.	1757.	10.37	0.0250	18.	55.	0.01
MILE	30.10	793.99	8208.	0.26	32060.	883.	9.91	0.0200	13.	53.	0.01
MILE	29.00	793.99	8286.	0.23	35743.	1054.	10.78	0.0200	15.	54.	0.01
MILE	27.30	793.98	8482.	0.23	37089.	1053.	11.17	0.0230	20.	57.	0.01
MILE	25.20	793.97	8624.	0.19	45939.	1051.	11.99	0.0230	22.	59.	0.01

MILE	23.10	793.96	8871.	0.23	37792.	1082.	11.42	0.0230	22.	64.	0.01

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TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.93	6743.	3.99	1692.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.26	6763.	2.89	2337.	314.	3.66	0.0400	22.	11.	0.19
MILE	75.60	815.32	6777.	3.00	2257.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.17	6801.	3.00	2265.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6829.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6858.	2.73	2515.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.44	6879.	2.56	2684.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.19	6911.	2.44	2835.	407.	3.73	0.0320	22.	9.	0.16
MILE	63.00	795.31	7040.	1.81	3890.	370.	4.86	0.0400	22.	14.	0.10
MILE	60.90	794.48	7181.	1.51	4764.	361.	5.83	0.0450	22.	18.	0.07
MILE	58.80	794.06	5208.	0.90	5765.	355.	6.14	0.0400	-1980.	21.	0.04
MILE	57.00	794.04	5240.	0.82	6384.	397.	6.03	0.0200	20.	19.	0.04
MILE	55.00	794.02	5334.	0.82	6483.	459.	6.51	0.0200	20.	21.	0.04
MILE	53.10	794.02	5431.	0.61	8927.	565.	6.00	0.0200	21.	21.	0.03
MILE	51.00	794.01	5519.	0.57	9643.	918.	6.12	0.0200	25.	25.	0.03
MILE	48.30	794.00	5830.	0.45	13006.	1621.	4.91	0.0200	25.	25.	0.03
MILE	46.20	793.98	6751.	0.43	15528.	1813.	6.73	0.0200	22.	32.	0.03
MILE	44.10	793.98	7074.	0.26	27591.	1506.	8.04	0.0300	13.	39.	0.01
MILE	43.70	793.98	7135.	0.50	14288.	1362.	8.23	0.0300	11.	41.	0.03
MILE	42.00	793.97	7478.	0.40	18687.	1329.	6.16	0.0300	24.	44.	0.02
MILE	39.10	793.93	8367.	0.46	18020.	1349.	7.85	0.0230	26.	43.	0.02
MILE	37.00	793.92	8582.	0.27	31682.	1116.	7.24	0.0280	16.	43.	0.01
MILE	36.00	793.91	8647.	0.44	19637.	898.	8.33	0.0280	12.	45.	0.02
MILE	34.60	793.91	8743.	0.29	29898.	1222.	9.62	0.0280	12.	45.	0.01
MILE	33.60	793.91	8888.	0.14	61681.	2135.	8.09	0.0290	16.	51.	0.00
MILE	31.50	793.90	9356.	0.31	30370.	1751.	10.36	0.0250	18.	55.	0.01
MILE	30.10	793.90	9639.	0.30	31966.	880.	9.89	0.0200	13.	53.	0.01
MILE	29.00	793.90	9781.	0.27	35655.	1050.	10.76	0.0200	15.	54.	0.01
MILE	27.30	793.90	9984.	0.27	37005.	1050.	11.16	0.0230	20.	57.	0.01
MILE	25.20	793.90	10279.	0.22	45865.	1049.	11.99	0.0230	22.	59.	0.01
MILE	23.10	793.90	10467.	0.28	37735.	1079.	11.41	0.0230	22.	64.	0.01

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TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.94	6763.	3.99	1694.	334.	3.25	0.0290	22.	7.	0.31

MILE	77.70	821.27	6784.	2.90	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.33	6799.	3.01	2261.	278.	4.01	0.0400	22.	9.	0.19
MILE	73.50	811.18	6811.	3.01	2266.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6825.	2.33	2924.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6839.	2.72	2510.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6861.	2.56	2676.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.15	6903.	2.45	2817.	405.	3.71	0.0320	22.	9.	0.16
MILE	63.00	795.27	6963.	1.80	3876.	368.	4.85	0.0400	22.	14.	0.10
MILE	60.90	794.46	7032.	1.48	4757.	361.	5.82	0.0450	22.	18.	0.07
MILE	58.80	794.03	5192.	0.90	5754.	354.	6.14	0.0400	-1980.	21.	0.04
MILE	57.00	794.00	5335.	0.84	6365.	396.	6.02	0.0200	20.	19.	0.04
MILE	55.00	793.96	5472.	0.85	6462.	458.	6.50	0.0200	20.	20.	0.04
MILE	53.10	793.94	5620.	0.63	8881.	563.	5.98	0.0200	21.	21.	0.03
MILE	51.00	793.91	5903.	0.62	9592.	915.	6.10	0.0200	25.	25.	0.03
MILE	48.30	793.88	6544.	0.51	12873.	1614.	4.91	0.0200	25.	25.	0.03
MILE	46.20	793.88	6787.	0.44	15436.	1807.	6.71	0.0200	22.	32.	0.03
MILE	44.10	793.88	7375.	0.27	27461.	1500.	8.02	0.0300	13.	39.	0.01
MILE	43.70	793.87	7467.	0.52	14231.	1357.	8.24	0.0300	11.	41.	0.03
MILE	42.00	793.86	7793.	0.42	18557.	1324.	6.16	0.0300	24.	44.	0.02
MILE	39.10	793.85	7997.	0.45	17958.	1346.	7.84	0.0230	26.	43.	0.02
MILE	37.00	793.86	8340.	0.26	31584.	1114.	7.23	0.0280	16.	43.	0.01
MILE	36.00	793.85	8486.	0.43	19589.	896.	8.33	0.0280	12.	45.	0.02
MILE	34.60	793.85	8698.	0.29	29834.	1220.	9.61	0.0280	12.	45.	0.01
MILE	33.60	793.85	8895.	0.14	61511.	2130.	8.08	0.0290	16.	51.	0.00
MILE	31.50	793.85	9301.	0.31	30321.	1748.	10.35	0.0250	18.	55.	0.01
MILE	30.10	793.85	9395.	0.29	31910.	878.	9.88	0.0200	13.	53.	0.01
MILE	29.00	793.85	9469.	0.27	35603.	1049.	10.75	0.0200	15.	54.	0.01
MILE	27.30	793.85	9641.	0.26	36957.	1049.	11.15	0.0230	20.	57.	0.01
MILE	25.20	793.85	9843.	0.21	45805.	1047.	11.98	0.0230	22.	59.	0.01
MILE	23.10	793.85	10063.	0.27	37688.	1077.	11.40	0.0230	22.	64.	0.01

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.94	6764.	3.99	1694.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.28	6784.	2.90	2342.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6802.	3.01	2263.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.18	6816.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6830.	2.34	2924.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6845.	2.73	2511.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6861.	2.57	2674.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.11	6894.	2.46	2802.	403.	3.70	0.0320	22.	9.	0.16
MILE	63.00	795.21	7004.	1.82	3851.	364.	4.84	0.0400	22.	14.	0.10
MILE	60.90	794.34	7153.	1.52	4720.	359.	5.79	0.0450	22.	18.	0.07
MILE	58.80	793.91	5272.	0.92	5707.	353.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.88	5357.	0.85	6315.	395.	5.99	0.0200	20.	19.	0.04

MILE	55.00	793.86	5478.	0.85	6422.	456.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.84	5618.	0.64	8823.	562.	5.96	0.0200	21.	21.	0.03
MILE	51.00	793.83	5796.	0.61	9551.	912.	6.09	0.0200	25.	25.	0.03
MILE	48.30	793.82	6070.	0.47	12806.	1611.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.81	6583.	0.43	15375.	1802.	6.70	0.0200	22.	32.	0.03
MILE	44.10	793.81	6837.	0.25	27388.	1497.	8.01	0.0300	13.	39.	0.01
MILE	43.70	793.81	6883.	0.48	14200.	1354.	8.24	0.0300	11.	41.	0.03
MILE	42.00	793.81	7111.	0.38	18491.	1321.	6.16	0.0300	24.	44.	0.02
MILE	39.10	793.78	7593.	0.42	17904.	1343.	7.84	0.0230	26.	43.	0.02
MILE	37.00	793.78	7798.	0.25	31466.	1111.	7.21	0.0280	16.	42.	0.01
MILE	36.00	793.78	7877.	0.40	19532.	894.	8.32	0.0280	12.	45.	0.02
MILE	34.60	793.78	8001.	0.27	29768.	1217.	9.60	0.0280	12.	45.	0.01
MILE	33.60	793.78	8145.	0.13	61335.	2125.	8.06	0.0290	16.	51.	0.00
MILE	31.50	793.78	8550.	0.28	30258.	1743.	10.34	0.0250	18.	55.	0.01
MILE	30.10	793.78	8818.	0.28	31837.	876.	9.87	0.0200	13.	53.	0.01
MILE	29.00	793.78	8961.	0.25	35533.	1046.	10.74	0.0200	15.	54.	0.01
MILE	27.30	793.78	9152.	0.25	36886.	1046.	11.14	0.0230	20.	57.	0.01
MILE	25.20	793.78	9337.	0.20	45732.	1044.	11.97	0.0230	22.	59.	0.01
MILE	23.10	793.78	9552.	0.25	37622.	1075.	11.39	0.0230	22.	64.	0.01

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6766.	3.99	1696.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.28	6785.	2.90	2343.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6801.	3.01	2263.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.18	6817.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6833.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6848.	2.73	2511.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.42	6864.	2.57	2671.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.06	6897.	2.48	2783.	401.	3.68	0.0320	22.	9.	0.17
MILE	63.00	795.15	6979.	1.82	3830.	361.	4.82	0.0400	22.	14.	0.10
MILE	60.90	794.29	7053.	1.50	4702.	359.	5.78	0.0450	22.	18.	0.07
MILE	58.80	793.86	5129.	0.90	5691.	352.	6.12	0.0400	-1980.	21.	0.04
MILE	57.00	793.83	5204.	0.83	6294.	394.	5.98	0.0200	20.	19.	0.04
MILE	55.00	793.80	5290.	0.83	6402.	455.	6.48	0.0200	20.	20.	0.04
MILE	53.10	793.79	5375.	0.61	8791.	561.	5.95	0.0200	21.	21.	0.03
MILE	51.00	793.77	5512.	0.58	9522.	911.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.76	5854.	0.46	12732.	1607.	4.92	0.0200	25.	25.	0.03
MILE	46.20	793.75	6152.	0.40	15322.	1799.	6.69	0.0200	22.	32.	0.02
MILE	44.10	793.75	6509.	0.24	27310.	1493.	8.00	0.0300	13.	39.	0.01
MILE	43.70	793.75	6553.	0.46	14166.	1351.	8.25	0.0300	11.	41.	0.03
MILE	42.00	793.75	6611.	0.36	18419.	1318.	6.16	0.0300	24.	44.	0.02
MILE	39.10	793.77	5950.	0.33	17896.	1342.	7.84	0.0230	26.	43.	0.02
MILE	37.00	793.81	5136.	0.16	31506.	1112.	7.22	0.0280	16.	43.	0.01
MILE	36.00	793.82	4848.	0.25	19563.	895.	8.32	0.0280	12.	45.	0.01

MILE	34.60	793.84	4458.	0.15	29824.	1219.	9.61	0.0280	12.	45.	0.01
MILE	33.60	793.85	3990.	0.06	61506.	2130.	8.08	0.0290	16.	51.	0.00
MILE	31.50	793.86	2734.	0.09	30335.	1749.	10.35	0.0250	18.	55.	0.00
MILE	30.10	793.88	2180.	0.07	31941.	879.	9.88	0.0200	13.	53.	0.00
MILE	29.00	793.89	1809.	0.05	35644.	1050.	10.76	0.0200	15.	54.	0.00
MILE	27.30	793.91	1113.	0.03	37017.	1051.	11.16	0.0230	20.	57.	0.00
MILE	25.20	793.94	407.	0.01	45902.	1050.	11.99	0.0230	22.	59.	0.00
MILE	23.10	793.96	-76.	0.00	37792.	1082.	11.42	0.0230	22.	64.	0.00

0DATE 5-04-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6764.	3.99	1697.	334.	3.25	0.0290	22.	7.	0.31
MILE	77.70	821.28	6783.	2.90	2343.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6800.	3.00	2263.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.18	6817.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6833.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.38	6851.	2.73	2511.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.41	6870.	2.57	2671.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.03	6899.	2.49	2772.	400.	3.68	0.0320	22.	9.	0.17
MILE	63.00	795.11	6963.	1.82	3817.	359.	4.82	0.0400	22.	14.	0.10
MILE	60.90	794.24	7042.	1.50	4686.	358.	5.77	0.0450	22.	18.	0.07
MILE	58.80	793.81	5124.	0.90	5672.	351.	6.11	0.0400	-1980.	21.	0.04
MILE	57.00	793.79	5173.	0.82	6275.	393.	5.97	0.0200	20.	19.	0.04
MILE	55.00	793.77	5192.	0.81	6389.	455.	6.47	0.0200	20.	20.	0.04
MILE	53.10	793.77	5112.	0.58	8780.	560.	5.95	0.0200	21.	20.	0.03
MILE	51.00	793.79	4771.	0.50	9530.	911.	6.08	0.0200	25.	24.	0.03
MILE	48.30	793.84	3412.	0.27	12828.	1612.	4.92	0.0200	25.	25.	0.02
MILE	46.20	793.87	2075.	0.13	15429.	1806.	6.71	0.0200	22.	32.	0.01
MILE	44.10	793.90	741.	0.03	27494.	1501.	8.02	0.0300	13.	39.	0.00
MILE	43.70	793.91	547.	0.04	14250.	1359.	8.24	0.0300	11.	41.	0.00
MILE	42.00	793.94	-86.	0.00	18649.	1327.	6.16	0.0300	24.	44.	0.00
MILE	39.10	793.94	-215.	-0.01	18033.	1350.	7.85	0.0230	26.	43.	0.00
MILE	37.00	793.93	342.	0.01	31705.	1117.	7.25	0.0280	16.	43.	0.00
MILE	36.00	793.93	599.	0.03	19650.	899.	8.33	0.0280	12.	45.	0.00
MILE	34.60	793.92	958.	0.03	29909.	1223.	9.62	0.0280	12.	45.	0.00
MILE	33.60	793.92	1234.	0.02	61707.	2135.	8.09	0.0290	16.	51.	0.00
MILE	31.50	793.91	1720.	0.06	30381.	1752.	10.36	0.0250	18.	55.	0.00
MILE	30.10	793.91	2032.	0.06	31975.	880.	9.89	0.0200	13.	53.	0.00
MILE	29.00	793.91	2289.	0.06	35660.	1051.	10.76	0.0200	15.	54.	0.00
MILE	27.30	793.90	2814.	0.08	37004.	1050.	11.16	0.0230	20.	57.	0.00
MILE	25.20	793.88	3326.	0.07	45841.	1048.	11.98	0.0230	22.	59.	0.00
MILE	23.10	793.86	3747.	0.10	37698.	1078.	11.41	0.0230	22.	64.	0.00

0DATE 5-05-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.96	6766.	3.98	1699.	334.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.28	6785.	2.90	2343.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6801.	3.00	2263.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.18	6818.	3.01	2267.	232.	3.97	0.0330	22.	12.	0.17
MILE	71.40	809.03	6836.	2.34	2925.	294.	3.71	0.0400	22.	11.	0.13
MILE	69.30	805.39	6855.	2.73	2512.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.41	6876.	2.57	2671.	405.	2.94	0.0340	22.	10.	0.18
MILE	65.10	796.03	6906.	2.49	2769.	399.	3.67	0.0320	22.	9.	0.17
MILE	63.00	795.14	6862.	1.79	3826.	361.	4.82	0.0400	22.	14.	0.10
MILE	60.90	794.39	6564.	1.39	4735.	360.	5.81	0.0450	22.	18.	0.07
MILE	58.80	794.10	4015.	0.69	5779.	355.	6.15	0.0400	-1980.	21.	0.03
MILE	57.00	794.10	3572.	0.56	6408.	398.	6.04	0.0200	20.	19.	0.02
MILE	55.00	794.09	3109.	0.48	6511.	460.	6.52	0.0200	20.	21.	0.02
MILE	53.10	794.08	2761.	0.31	8968.	566.	6.01	0.0200	21.	21.	0.01
MILE	51.00	794.06	2542.	0.26	9665.	919.	6.12	0.0200	25.	25.	0.01
MILE	48.30	793.99	3074.	0.24	12992.	1620.	4.91	0.0200	25.	25.	0.01
MILE	46.20	793.97	3174.	0.20	15516.	1812.	6.73	0.0200	22.	32.	0.01
MILE	44.10	793.94	3384.	0.12	27539.	1503.	8.03	0.0300	13.	39.	0.01
MILE	43.70	793.93	3420.	0.24	14264.	1360.	8.24	0.0300	11.	41.	0.01
MILE	42.00	793.90	3560.	0.19	18610.	1326.	6.16	0.0300	24.	44.	0.01
MILE	39.10	793.89	3234.	0.18	17988.	1347.	7.85	0.0230	26.	43.	0.01
MILE	37.00	793.90	2167.	0.07	31660.	1116.	7.24	0.0280	16.	43.	0.00
MILE	36.00	793.91	1728.	0.09	19634.	898.	8.33	0.0280	12.	45.	0.00
MILE	34.60	793.91	1153.	0.04	29898.	1222.	9.62	0.0280	12.	45.	0.00
MILE	33.60	793.91	698.	0.01	61685.	2135.	8.09	0.0290	16.	51.	0.00
MILE	31.50	793.92	-146.	0.00	30383.	1752.	10.36	0.0250	18.	55.	0.00
MILE	30.10	793.93	-574.	-0.02	31991.	881.	9.89	0.0200	13.	53.	0.00
MILE	29.00	793.93	-894.	-0.03	35685.	1052.	10.77	0.0200	15.	54.	0.00
MILE	27.30	793.94	-1515.	-0.04	37044.	1052.	11.16	0.0230	20.	57.	0.00
MILE	25.20	793.96	-2100.	-0.05	45928.	1051.	11.99	0.0230	22.	59.	0.00
MILE	23.10	793.99	-2617.	-0.07	37821.	1083.	11.43	0.0230	22.	64.	0.00

0DATE 5-05-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.96	6768.	3.98	1700.	334.	3.26	0.0290	22.	7.	0.31
MILE	77.70	821.28	6788.	2.90	2344.	315.	3.67	0.0400	22.	11.	0.19
MILE	75.60	815.34	6806.	3.01	2264.	279.	4.02	0.0400	22.	9.	0.19
MILE	73.50	811.19	6825.	3.01	2268.	232.	3.98	0.0330	22.	12.	0.17
MILE	71.40	809.04	6848.	2.34	2927.	294.	3.72	0.0400	22.	11.	0.13

MILE	69.30	805.39	6878.	2.73	2516.	352.	3.17	0.0340	22.	7.	0.18
MILE	67.20	800.44	6912.	2.58	2683.	406.	2.95	0.0340	22.	10.	0.18
MILE	65.10	796.15	6885.	2.44	2818.	405.	3.71	0.0320	22.	9.	0.16
MILE	63.00	795.32	6739.	1.73	3893.	370.	4.86	0.0400	22.	14.	0.09
MILE	60.90	794.55	6832.	1.43	4789.	362.	5.84	0.0450	22.	18.	0.07
MILE	58.80	794.14	5137.	0.89	5792.	355.	6.15	0.0400	-1979.	21.	0.04
MILE	57.00	794.10	5346.	0.83	6410.	398.	6.04	0.0200	20.	19.	0.04
MILE	55.00	794.07	5522.	0.85	6500.	459.	6.51	0.0200	21.	21.	0.04
MILE	53.10	794.04	5641.	0.63	8944.	565.	6.00	0.0200	21.	21.	0.03
MILE	51.00	794.03	5602.	0.58	9650.	918.	6.12	0.0200	25.	25.	0.03
MILE	48.30	794.05	4390.	0.34	13057.	1623.	4.91	0.0200	25.	25.	0.02
MILE	46.20	794.05	3211.	0.21	15590.	1817.	6.74	0.0200	22.	32.	0.01
MILE	44.10	794.07	2163.	0.08	27694.	1510.	8.05	0.0300	13.	39.	0.00
MILE	43.70	794.07	1986.	0.14	14337.	1366.	8.23	0.0300	11.	41.	0.01
MILE	42.00	794.09	1213.	0.06	18841.	1334.	6.16	0.0300	24.	44.	0.00
MILE	39.10	794.09	602.	0.03	18155.	1357.	7.86	0.0230	26.	43.	0.00
MILE	37.00	794.07	1303.	0.04	31925.	1122.	7.28	0.0280	16.	43.	0.00
MILE	36.00	794.06	1561.	0.08	19756.	903.	8.35	0.0280	13.	45.	0.00
MILE	34.60	794.05	1831.	0.06	30036.	1228.	9.64	0.0280	13.	46.	0.00
MILE	33.60	794.05	2017.	0.03	62041.	2145.	8.12	0.0290	16.	51.	0.00
MILE	31.50	794.03	2301.	0.08	30487.	1759.	10.38	0.0250	18.	55.	0.00
MILE	30.10	794.02	2325.	0.07	32089.	884.	9.91	0.0200	13.	53.	0.00
MILE	29.00	794.01	2425.	0.07	35765.	1054.	10.78	0.0200	15.	54.	0.00
MILE	27.30	794.00	2771.	0.07	37103.	1054.	11.17	0.0230	20.	57.	0.00
MILE	25.20	793.97	3204.	0.07	45933.	1051.	11.99	0.0230	22.	59.	0.00
MILE	23.10	793.93	3501.	0.09	37764.	1080.	11.42	0.0230	22.	64.	0.00

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TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.96	6758.	3.98	1699.	334.	3.26	0.0290	23.	7.	0.31
MILE	77.70	821.28	6783.	2.89	2343.	315.	3.67	0.0400	23.	11.	0.19
MILE	75.60	815.35	6813.	3.01	2266.	279.	4.02	0.0400	23.	9.	0.19
MILE	73.50	811.20	6844.	3.01	2272.	232.	3.98	0.0330	23.	12.	0.17
MILE	71.40	809.05	6872.	2.34	2933.	294.	3.72	0.0400	23.	11.	0.13
MILE	69.30	805.41	6895.	2.73	2522.	352.	3.17	0.0340	23.	7.	0.18
MILE	67.20	800.44	6905.	2.57	2686.	406.	2.95	0.0340	23.	10.	0.18
MILE	65.10	796.16	6921.	2.45	2821.	405.	3.71	0.0320	23.	9.	0.16
MILE	63.00	795.29	6957.	1.79	3882.	368.	4.86	0.0400	23.	14.	0.10
MILE	60.90	794.52	6820.	1.43	4780.	361.	5.84	0.0450	23.	18.	0.07
MILE	58.80	794.20	4429.	0.76	5818.	356.	6.16	0.0400	-1979.	21.	0.03
MILE	57.00	794.20	4158.	0.64	6450.	399.	6.06	0.0200	20.	19.	0.03
MILE	55.00	794.19	3904.	0.60	6547.	461.	6.53	0.0200	21.	21.	0.03
MILE	53.10	794.19	3658.	0.40	9036.	568.	6.03	0.0200	21.	21.	0.02
MILE	51.00	794.19	3446.	0.35	9732.	923.	6.14	0.0200	26.	25.	0.02
MILE	48.30	794.14	4161.	0.32	13156.	1628.	4.91	0.0200	26.	25.	0.02

MILE	46.20	794.11	4947.	0.32	15642.	1821.	6.75	0.0200	23.	32.	0.02
MILE	44.10	794.09	5444.	0.20	27716.	1511.	8.06	0.0300	13.	39.	0.01
MILE	43.70	794.08	5524.	0.39	14342.	1367.	8.23	0.0300	11.	41.	0.02
MILE	42.00	794.05	5866.	0.31	18791.	1332.	6.16	0.0300	25.	44.	0.01
MILE	39.10	794.02	6224.	0.34	18094.	1353.	7.86	0.0230	27.	43.	0.02
MILE	37.00	794.03	5230.	0.16	31866.	1121.	7.27	0.0280	17.	43.	0.01
MILE	36.00	794.03	4821.	0.24	19734.	902.	8.34	0.0280	13.	45.	0.01
MILE	34.60	794.03	4283.	0.14	30019.	1228.	9.63	0.0280	13.	46.	0.01
MILE	33.60	794.03	3831.	0.06	62009.	2144.	8.11	0.0290	17.	51.	0.00
MILE	31.50	794.04	2939.	0.10	30493.	1759.	10.38	0.0250	19.	55.	0.00
MILE	30.10	794.05	2532.	0.08	32117.	884.	9.92	0.0200	13.	53.	0.00
MILE	29.00	794.05	2232.	0.06	35804.	1056.	10.79	0.0200	15.	54.	0.00
MILE	27.30	794.05	1649.	0.04	37155.	1056.	11.18	0.0230	20.	57.	0.00
MILE	25.20	794.08	1074.	0.02	46054.	1055.	12.01	0.0230	23.	60.	0.00
MILE	23.10	794.10	523.	0.01	37925.	1087.	11.44	0.0230	23.	64.	0.00

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TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6762.	3.99	1696.	334.	3.25	0.0290	23.	7.	0.31
MILE	77.70	821.28	6791.	2.90	2344.	315.	3.67	0.0400	23.	11.	0.19
MILE	75.60	815.35	6820.	3.01	2267.	279.	4.02	0.0400	23.	9.	0.19
MILE	73.50	811.20	6847.	3.01	2273.	232.	3.98	0.0330	23.	12.	0.17
MILE	71.40	809.05	6871.	2.34	2934.	294.	3.72	0.0400	23.	11.	0.13
MILE	69.30	805.41	6894.	2.73	2522.	352.	3.17	0.0340	23.	7.	0.18
MILE	67.20	800.45	6921.	2.57	2692.	406.	2.96	0.0340	26.	10.	0.18
MILE	65.10	796.22	6914.	2.43	2848.	408.	3.74	0.0320	27.	9.	0.16
MILE	63.00	795.41	6816.	1.74	3924.	374.	4.88	0.0400	27.	14.	0.09
MILE	60.90	794.64	6914.	1.43	4820.	363.	5.87	0.0450	27.	18.	0.07
MILE	58.80	794.22	5285.	0.91	5822.	356.	6.16	0.0400	-1975.	21.	0.04
MILE	57.00	794.18	5532.	0.86	6442.	399.	6.06	0.0200	24.	19.	0.04
MILE	55.00	794.14	5719.	0.88	6527.	461.	6.52	0.0200	25.	21.	0.04
MILE	53.10	794.11	5893.	0.66	8984.	567.	6.01	0.0200	26.	21.	0.03
MILE	51.00	794.08	6080.	0.63	9679.	920.	6.12	0.0200	31.	25.	0.03
MILE	48.30	794.09	5491.	0.42	13109.	1626.	4.91	0.0200	31.	25.	0.03
MILE	46.20	794.11	4373.	0.28	15640.	1821.	6.75	0.0200	27.	32.	0.02
MILE	44.10	794.13	3787.	0.14	27764.	1513.	8.06	0.0300	16.	39.	0.01
MILE	43.70	794.13	3676.	0.26	14368.	1369.	8.22	0.0300	13.	41.	0.01
MILE	42.00	794.16	3090.	0.16	18918.	1337.	6.16	0.0300	29.	44.	0.01
MILE	39.10	794.19	2152.	0.12	18233.	1361.	7.87	0.0230	32.	43.	0.01
MILE	37.00	794.19	2397.	0.07	32117.	1127.	7.31	0.0280	20.	43.	0.00
MILE	36.00	794.19	2521.	0.13	19858.	907.	8.36	0.0280	15.	45.	0.00
MILE	34.60	794.19	2647.	0.09	30171.	1234.	9.65	0.0280	15.	46.	0.00
MILE	33.60	794.19	2637.	0.04	62420.	2155.	8.14	0.0290	20.	51.	0.00
MILE	31.50	794.19	2380.	0.08	30627.	1768.	10.40	0.0250	22.	55.	0.00
MILE	30.10	794.18	2299.	0.07	32259.	889.	9.94	0.0200	16.	53.	0.00

MILE	29.00	794.18	2262.	0.06	35935.	1061.	10.81	0.0200	18.	54.	0.00
MILE	27.30	794.19	2195.	0.06	37287.	1061.	11.20	0.0230	24.	57.	0.00
MILE	25.20	794.17	2030.	0.04	46161.	1058.	12.02	0.0230	27.	60.	0.00
MILE	23.10	794.16	1943.	0.05	37982.	1089.	11.45	0.0230	27.	64.	0.00

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TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.94	6761.	3.99	1693.	334.	3.25	0.0290	23.	7.	0.31
MILE	77.70	821.28	6788.	2.90	2344.	315.	3.67	0.0400	23.	11.	0.19
MILE	75.60	815.35	6817.	3.01	2267.	279.	4.02	0.0400	23.	9.	0.19
MILE	73.50	811.20	6845.	3.01	2274.	232.	3.98	0.0330	23.	12.	0.17
MILE	71.40	809.06	6872.	2.34	2935.	294.	3.72	0.0400	23.	11.	0.13
MILE	69.30	805.41	6896.	2.73	2523.	352.	3.18	0.0340	23.	7.	0.18
MILE	67.20	800.46	6914.	2.57	2693.	407.	2.96	0.0340	30.	10.	0.18
MILE	65.10	796.21	6945.	2.44	2844.	408.	3.73	0.0320	31.	9.	0.16
MILE	63.00	795.35	7037.	1.80	3902.	371.	4.87	0.0400	31.	14.	0.10
MILE	60.90	794.56	7006.	1.46	4792.	362.	5.85	0.0450	31.	18.	0.07
MILE	58.80	794.22	4680.	0.80	5824.	356.	6.16	0.0400	-1971.	21.	0.04
MILE	57.00	794.22	4431.	0.69	6459.	399.	6.06	0.0200	28.	19.	0.03
MILE	55.00	794.22	4206.	0.64	6557.	462.	6.53	0.0200	29.	21.	0.03
MILE	53.10	794.23	3942.	0.44	9059.	569.	6.04	0.0200	30.	21.	0.02
MILE	51.00	794.25	3527.	0.36	9762.	925.	6.15	0.0200	36.	25.	0.02
MILE	48.30	794.23	3316.	0.25	13268.	1634.	4.91	0.0200	36.	25.	0.02
MILE	46.20	794.22	3591.	0.23	15740.	1828.	6.77	0.0200	31.	32.	0.01
MILE	44.10	794.22	3257.	0.12	27875.	1518.	8.08	0.0300	19.	39.	0.00
MILE	43.70	794.22	3211.	0.22	14415.	1373.	8.22	0.0300	16.	41.	0.01
MILE	42.00	794.21	3111.	0.16	18990.	1340.	6.16	0.0300	34.	44.	0.01
MILE	39.10	794.19	3302.	0.18	18238.	1362.	7.87	0.0230	37.	43.	0.01
MILE	37.00	794.19	2741.	0.09	32126.	1127.	7.31	0.0280	23.	43.	0.00
MILE	36.00	794.19	2561.	0.13	19863.	907.	8.36	0.0280	18.	45.	0.00
MILE	34.60	794.19	2383.	0.08	30179.	1234.	9.65	0.0280	18.	46.	0.00
MILE	33.60	794.19	2183.	0.03	62439.	2155.	8.15	0.0290	23.	51.	0.00
MILE	31.50	794.20	1653.	0.05	30634.	1769.	10.40	0.0250	26.	55.	0.00
MILE	30.10	794.20	1507.	0.05	32281.	889.	9.94	0.0200	19.	53.	0.00
MILE	29.00	794.21	1421.	0.04	35959.	1061.	10.81	0.0200	21.	55.	0.00
MILE	27.30	794.20	1249.	0.03	37304.	1061.	11.20	0.0230	28.	57.	0.00
MILE	25.20	794.22	1011.	0.02	46213.	1060.	12.03	0.0230	31.	60.	0.00
MILE	23.10	794.23	826.	0.02	38049.	1092.	11.46	0.0230	31.	64.	0.00

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TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.94	6764.	4.00	1692.	334.	3.25	0.0290	24.	7.	0.31
MILE	77.70	821.28	6789.	2.90	2344.	315.	3.67	0.0400	24.	11.	0.19
MILE	75.60	815.35	6814.	3.01	2266.	279.	4.02	0.0400	24.	9.	0.19
MILE	73.50	811.20	6838.	3.01	2273.	232.	3.98	0.0330	24.	12.	0.17
MILE	71.40	809.05	6862.	2.34	2933.	294.	3.72	0.0400	24.	11.	0.13
MILE	69.30	805.41	6887.	2.73	2521.	352.	3.17	0.0340	24.	7.	0.18
MILE	67.20	800.46	6923.	2.57	2695.	407.	2.96	0.0340	33.	10.	0.18
MILE	65.10	796.26	6939.	2.42	2864.	410.	3.75	0.0320	34.	9.	0.16
MILE	63.00	795.47	6811.	1.73	3947.	377.	4.90	0.0400	34.	14.	0.09
MILE	60.90	794.76	6723.	1.38	4859.	364.	5.89	0.0450	34.	18.	0.07
MILE	58.80	794.39	4829.	0.82	5889.	359.	6.18	0.0400	-1968.	21.	0.04
MILE	57.00	794.37	4867.	0.75	6524.	401.	6.10	0.0200	31.	20.	0.03
MILE	55.00	794.34	4808.	0.73	6604.	464.	6.55	0.0200	32.	21.	0.03
MILE	53.10	794.32	4754.	0.52	9111.	571.	6.05	0.0200	33.	21.	0.02
MILE	51.00	794.29	4738.	0.48	9783.	927.	6.15	0.0200	39.	25.	0.03
MILE	48.30	794.27	4400.	0.33	13311.	1636.	4.91	0.0200	39.	25.	0.02
MILE	46.20	794.28	3423.	0.22	15788.	1831.	6.78	0.0200	34.	32.	0.01
MILE	44.10	794.28	3018.	0.11	27944.	1521.	8.09	0.0300	20.	39.	0.00
MILE	43.70	794.28	2948.	0.20	14446.	1376.	8.21	0.0300	17.	41.	0.01
MILE	42.00	794.28	2599.	0.14	19076.	1343.	6.16	0.0300	37.	44.	0.01
MILE	39.10	794.30	1769.	0.10	18326.	1366.	7.88	0.0230	41.	43.	0.00
MILE	37.00	794.31	1632.	0.05	32312.	1131.	7.33	0.0280	25.	43.	0.00
MILE	36.00	794.31	1586.	0.08	19955.	910.	8.37	0.0280	20.	45.	0.00
MILE	34.60	794.30	1500.	0.05	30288.	1239.	9.67	0.0280	20.	46.	0.00
MILE	33.60	794.30	1386.	0.02	62730.	2163.	8.17	0.0290	25.	51.	0.00
MILE	31.50	794.30	1086.	0.04	30733.	1775.	10.41	0.0250	28.	56.	0.00
MILE	30.10	794.30	969.	0.03	32382.	892.	9.96	0.0200	20.	53.	0.00
MILE	29.00	794.30	884.	0.02	36053.	1065.	10.83	0.0200	23.	55.	0.00
MILE	27.30	794.30	727.	0.02	37400.	1065.	11.22	0.0230	31.	57.	0.00
MILE	25.20	794.29	599.	0.01	46287.	1062.	12.04	0.0230	34.	60.	0.00
MILE	23.10	794.29	414.	0.01	38106.	1094.	11.47	0.0230	34.	64.	0.00

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TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.92	6728.	3.99	1687.	334.	3.24	0.0290	24.	7.	0.31
MILE	77.70	821.26	6755.	2.89	2337.	314.	3.66	0.0400	24.	11.	0.19
MILE	75.60	815.34	6793.	3.00	2263.	279.	4.02	0.0400	24.	9.	0.19
MILE	73.50	811.20	6830.	3.01	2271.	232.	3.98	0.0330	24.	12.	0.17
MILE	71.40	809.05	6864.	2.34	2933.	294.	3.72	0.0400	24.	11.	0.13
MILE	69.30	805.41	6897.	2.73	2523.	352.	3.18	0.0340	24.	7.	0.18
MILE	67.20	800.47	6928.	2.56	2701.	407.	2.96	0.0340	36.	10.	0.18
MILE	65.10	796.32	6945.	2.41	2885.	413.	3.76	0.0320	37.	9.	0.16

MILE	63.00	795.50	6952.	1.76	3959.	379.	4.90	0.0400	37.	15.	0.10
MILE	60.90	794.76	6941.	1.43	4861.	364.	5.89	0.0450	37.	18.	0.07
MILE	58.80	794.42	4788.	0.81	5900.	359.	6.19	0.0400	-1965.	21.	0.04
MILE	57.00	794.41	4669.	0.71	6542.	402.	6.11	0.0200	34.	20.	0.03
MILE	55.00	794.40	4573.	0.69	6626.	465.	6.56	0.0200	35.	21.	0.03
MILE	53.10	794.40	4440.	0.48	9162.	572.	6.07	0.0200	35.	21.	0.02
MILE	51.00	794.41	4147.	0.42	9844.	930.	6.17	0.0200	43.	25.	0.02
MILE	48.30	794.40	3662.	0.27	13463.	1643.	4.90	0.0200	43.	25.	0.02
MILE	46.20	794.39	3604.	0.23	15888.	1838.	6.80	0.0200	37.	33.	0.01
MILE	44.10	794.39	3219.	0.11	28075.	1526.	8.11	0.0300	22.	39.	0.00
MILE	43.70	794.39	3174.	0.22	14504.	1381.	8.21	0.0300	19.	41.	0.01
MILE	42.00	794.37	3142.	0.16	19187.	1347.	6.16	0.0300	41.	44.	0.01
MILE	39.10	794.32	3885.	0.21	18341.	1367.	7.89	0.0230	44.	43.	0.01
MILE	37.00	794.28	4622.	0.14	32262.	1130.	7.33	0.0280	27.	43.	0.00
MILE	36.00	794.26	4863.	0.24	19920.	909.	8.36	0.0280	21.	45.	0.01
MILE	34.60	794.25	5182.	0.17	30233.	1237.	9.66	0.0280	21.	46.	0.01
MILE	33.60	794.24	5583.	0.09	62563.	2159.	8.15	0.0290	27.	51.	0.00
MILE	31.50	794.22	6666.	0.22	30652.	1770.	10.40	0.0250	31.	55.	0.01
MILE	30.10	794.21	7039.	0.22	32285.	889.	9.95	0.0200	22.	53.	0.01
MILE	29.00	794.20	7348.	0.20	35951.	1061.	10.81	0.0200	25.	54.	0.01
MILE	27.30	794.18	8034.	0.22	37275.	1060.	11.20	0.0230	34.	57.	0.01
MILE	25.20	794.16	8726.	0.19	46143.	1058.	12.02	0.0230	37.	60.	0.01
MILE	23.10	794.13	9274.	0.24	37954.	1088.	11.45	0.0230	37.	64.	0.01

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.90	6705.	3.98	1683.	334.	3.24	0.0290	24.	7.	0.31
MILE	77.70	821.25	6734.	2.89	2332.	314.	3.66	0.0400	24.	11.	0.19
MILE	75.60	815.32	6772.	3.00	2258.	278.	4.01	0.0400	24.	9.	0.19
MILE	73.50	811.19	6813.	3.00	2269.	232.	3.98	0.0330	24.	12.	0.17
MILE	71.40	809.05	6851.	2.34	2931.	294.	3.72	0.0400	24.	11.	0.13
MILE	69.30	805.41	6885.	2.73	2522.	352.	3.17	0.0340	24.	7.	0.18
MILE	67.20	800.47	6924.	2.56	2703.	407.	2.97	0.0340	42.	10.	0.18
MILE	65.10	796.36	6949.	2.39	2904.	415.	3.78	0.0320	44.	9.	0.16
MILE	63.00	795.59	6875.	1.72	3991.	383.	4.92	0.0400	44.	15.	0.09
MILE	60.90	794.90	6783.	1.38	4906.	366.	5.93	0.0450	44.	18.	0.07
MILE	58.80	794.55	4798.	0.81	5947.	360.	6.20	0.0400	-1959.	21.	0.04
MILE	57.00	794.52	4828.	0.73	6588.	403.	6.13	0.0200	40.	20.	0.03
MILE	55.00	794.48	4865.	0.73	6657.	466.	6.57	0.0200	41.	21.	0.03
MILE	53.10	794.44	5007.	0.54	9188.	573.	6.08	0.0200	42.	21.	0.02
MILE	51.00	794.39	5435.	0.55	9837.	930.	6.17	0.0200	50.	25.	0.03
MILE	48.30	794.32	6684.	0.50	13366.	1638.	4.90	0.0200	50.	25.	0.03
MILE	46.20	794.29	7613.	0.48	15798.	1832.	6.78	0.0200	44.	32.	0.03
MILE	44.10	794.26	8609.	0.31	27924.	1520.	8.09	0.0300	26.	39.	0.01
MILE	43.70	794.25	8764.	0.61	14432.	1375.	8.21	0.0300	22.	41.	0.03

MILE	42.00	794.21	9375.	0.49	18988.	1340.	6.16	0.0300	48.	44.	0.02
MILE	39.10	794.16	9964.	0.55	18214.	1360.	7.87	0.0230	53.	43.	0.03
MILE	37.00	794.17	9980.	0.31	32087.	1126.	7.30	0.0280	33.	43.	0.01
MILE	36.00	794.16	9955.	0.50	19836.	906.	8.35	0.0280	25.	45.	0.02
MILE	34.60	794.15	9911.	0.33	30134.	1232.	9.65	0.0280	25.	46.	0.01
MILE	33.60	794.15	9946.	0.16	62311.	2152.	8.14	0.0290	33.	51.	0.01
MILE	31.50	794.14	10210.	0.33	30588.	1766.	10.39	0.0250	37.	55.	0.01
MILE	30.10	794.14	10241.	0.32	32214.	887.	9.93	0.0200	26.	53.	0.01
MILE	29.00	794.14	10188.	0.28	35890.	1059.	10.80	0.0200	29.	54.	0.01
MILE	27.30	794.14	10071.	0.27	37236.	1059.	11.19	0.0230	40.	57.	0.01
MILE	25.20	794.13	10248.	0.22	46112.	1057.	12.02	0.0230	44.	60.	0.01
MILE	23.10	794.14	10151.	0.27	37963.	1088.	11.45	0.0230	44.	64.	0.01

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.89	6689.	3.98	1679.	333.	3.23	0.0290	25.	7.	0.31
MILE	77.70	821.23	6719.	2.89	2328.	314.	3.65	0.0400	25.	11.	0.19
MILE	75.60	815.31	6756.	3.00	2254.	278.	4.01	0.0400	25.	9.	0.19
MILE	73.50	811.18	6795.	3.00	2265.	232.	3.97	0.0330	25.	12.	0.17
MILE	71.40	809.04	6833.	2.33	2927.	294.	3.72	0.0400	25.	11.	0.13
MILE	69.30	805.40	6870.	2.73	2519.	352.	3.17	0.0340	25.	7.	0.18
MILE	67.20	800.48	6911.	2.55	2705.	407.	2.97	0.0340	48.	10.	0.17
MILE	65.10	796.40	6947.	2.38	2918.	416.	3.79	0.0320	51.	9.	0.16
MILE	63.00	795.58	7060.	1.77	3986.	383.	4.92	0.0400	51.	15.	0.10
MILE	60.90	794.76	7370.	1.52	4859.	364.	5.89	0.0450	51.	18.	0.07
MILE	58.80	794.30	5783.	0.99	5853.	357.	6.17	0.0400	-1953.	21.	0.04
MILE	57.00	794.26	6114.	0.94	6478.	400.	6.07	0.0200	46.	19.	0.04
MILE	55.00	794.22	6502.	0.99	6558.	462.	6.53	0.0200	47.	21.	0.05
MILE	53.10	794.20	6878.	0.76	9038.	568.	6.03	0.0200	49.	21.	0.03
MILE	51.00	794.18	7323.	0.75	9729.	923.	6.14	0.0200	58.	25.	0.04
MILE	48.30	794.17	7776.	0.59	13197.	1630.	4.91	0.0200	58.	25.	0.04
MILE	46.20	794.16	8258.	0.53	15685.	1824.	6.76	0.0200	51.	32.	0.03
MILE	44.10	794.17	8730.	0.31	27812.	1515.	8.07	0.0300	30.	39.	0.01
MILE	43.70	794.17	8796.	0.61	14386.	1371.	8.22	0.0300	26.	41.	0.03
MILE	42.00	794.16	8978.	0.47	18925.	1337.	6.16	0.0300	56.	44.	0.02
MILE	39.10	794.15	9049.	0.50	18204.	1360.	7.87	0.0230	61.	43.	0.02
MILE	37.00	794.15	9266.	0.29	32062.	1125.	7.30	0.0280	38.	43.	0.01
MILE	36.00	794.15	9336.	0.47	19829.	906.	8.35	0.0280	29.	45.	0.02
MILE	34.60	794.16	9393.	0.31	30141.	1233.	9.65	0.0280	29.	46.	0.01
MILE	33.60	794.16	9399.	0.15	62344.	2153.	8.14	0.0290	38.	51.	0.00
MILE	31.50	794.16	9329.	0.30	30602.	1766.	10.39	0.0250	43.	55.	0.01
MILE	30.10	794.16	9311.	0.29	32238.	888.	9.94	0.0200	30.	53.	0.01
MILE	29.00	794.16	9331.	0.26	35917.	1060.	10.80	0.0200	34.	54.	0.01
MILE	27.30	794.17	9336.	0.25	37268.	1060.	11.20	0.0230	46.	57.	0.01
MILE	25.20	794.18	9042.	0.20	46164.	1058.	12.02	0.0230	51.	60.	0.01

MILE	23.10	794.17	9159.	0.24	37992.	1089.	11.45	0.0230	51.	64.	0.01

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.88	6688.	3.99	1677.	333.	3.23	0.0290	25.	7.	0.31
MILE	77.70	821.23	6716.	2.89	2327.	313.	3.65	0.0400	25.	11.	0.19
MILE	75.60	815.30	6747.	3.00	2252.	278.	4.00	0.0400	25.	9.	0.19
MILE	73.50	811.16	6779.	3.00	2262.	232.	3.97	0.0330	25.	12.	0.17
MILE	71.40	809.03	6809.	2.33	2923.	293.	3.71	0.0400	25.	11.	0.13
MILE	69.30	805.39	6833.	2.72	2512.	352.	3.17	0.0340	25.	7.	0.18
MILE	67.20	800.45	6868.	2.55	2693.	407.	2.96	0.0340	54.	10.	0.17
MILE	65.10	796.30	6966.	2.42	2880.	412.	3.76	0.0320	57.	9.	0.16
MILE	63.00	795.44	7178.	1.82	3934.	376.	4.89	0.0400	57.	14.	0.10
MILE	60.90	794.59	7348.	1.53	4803.	362.	5.85	0.0450	57.	18.	0.07
MILE	58.80	794.16	5432.	0.94	5802.	356.	6.16	0.0400	-1947.	21.	0.04
MILE	57.00	794.14	5510.	0.86	6425.	398.	6.05	0.0200	52.	19.	0.04
MILE	55.00	794.11	5616.	0.86	6519.	460.	6.52	0.0200	53.	21.	0.04
MILE	53.10	794.11	5703.	0.63	8985.	567.	6.01	0.0200	55.	21.	0.03
MILE	51.00	794.11	5776.	0.60	9692.	921.	6.13	0.0200	66.	25.	0.03
MILE	48.30	794.11	5926.	0.45	13127.	1627.	4.91	0.0200	66.	25.	0.03
MILE	46.20	794.11	6294.	0.40	15642.	1821.	6.75	0.0200	57.	32.	0.02
MILE	44.10	794.12	6416.	0.23	27757.	1513.	8.06	0.0300	34.	39.	0.01
MILE	43.70	794.12	6446.	0.45	14363.	1369.	8.22	0.0300	29.	41.	0.02
MILE	42.00	794.12	6639.	0.35	18877.	1336.	6.16	0.0300	63.	44.	0.02
MILE	39.10	794.10	7460.	0.41	18166.	1357.	7.87	0.0230	68.	43.	0.02
MILE	37.00	794.10	8026.	0.25	31973.	1123.	7.29	0.0280	42.	43.	0.01
MILE	36.00	794.09	8319.	0.42	19781.	904.	8.35	0.0280	33.	45.	0.02
MILE	34.60	794.09	8777.	0.29	30071.	1230.	9.64	0.0280	33.	46.	0.01
MILE	33.60	794.08	9122.	0.15	62145.	2147.	8.12	0.0290	42.	51.	0.00
MILE	31.50	794.08	9748.	0.32	30531.	1762.	10.38	0.0250	48.	55.	0.01
MILE	30.10	794.08	10232.	0.32	32148.	885.	9.92	0.0200	34.	53.	0.01
MILE	29.00	794.07	10493.	0.29	35828.	1057.	10.79	0.0200	38.	54.	0.01
MILE	27.30	794.07	10900.	0.29	37176.	1057.	11.18	0.0230	52.	57.	0.01
MILE	25.20	794.07	11577.	0.25	46047.	1055.	12.01	0.0230	57.	60.	0.01
MILE	23.10	794.06	11997.	0.32	37887.	1085.	11.44	0.0230	57.	64.	0.01

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TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.88	6683.	3.99	1676.	333.	3.23	0.0290	25.	7.	0.31

MILE	77.70	821.23	6708.	2.89	2325.	313.	3.65	0.0400	25.	11.	0.19
MILE	75.60	815.29	6733.	2.99	2249.	277.	4.00	0.0400	25.	9.	0.19
MILE	73.50	811.15	6756.	2.99	2258.	231.	3.97	0.0330	25.	12.	0.17
MILE	71.40	809.01	6779.	2.33	2915.	293.	3.71	0.0400	25.	11.	0.13
MILE	69.30	805.37	6804.	2.72	2505.	352.	3.16	0.0340	25.	7.	0.18
MILE	67.20	800.44	6853.	2.55	2684.	406.	2.95	0.0340	59.	10.	0.18
MILE	65.10	796.25	6947.	2.43	2858.	410.	3.74	0.0320	64.	9.	0.16
MILE	63.00	795.40	7043.	1.80	3921.	374.	4.88	0.0400	64.	14.	0.10
MILE	60.90	794.60	7095.	1.48	4805.	362.	5.86	0.0450	64.	18.	0.07
MILE	58.80	794.20	5136.	0.88	5816.	356.	6.16	0.0400	-1941.	21.	0.04
MILE	57.00	794.17	5164.	0.80	6441.	399.	6.06	0.0200	58.	19.	0.04
MILE	55.00	794.15	5190.	0.79	6531.	461.	6.52	0.0200	59.	21.	0.04
MILE	53.10	794.12	5262.	0.59	8994.	567.	6.02	0.0200	61.	21.	0.03
MILE	51.00	794.10	5494.	0.57	9686.	921.	6.13	0.0200	73.	25.	0.03
MILE	48.30	794.06	6294.	0.48	13065.	1624.	4.91	0.0200	73.	25.	0.03
MILE	46.20	794.04	6656.	0.43	15578.	1817.	6.74	0.0200	64.	32.	0.03
MILE	44.10	794.03	7291.	0.26	27645.	1508.	8.05	0.0300	38.	39.	0.01
MILE	43.70	794.02	7398.	0.52	14311.	1364.	8.23	0.0300	32.	41.	0.03
MILE	42.00	794.00	7851.	0.42	18732.	1330.	6.16	0.0300	70.	44.	0.02
MILE	39.10	793.98	8327.	0.46	18061.	1352.	7.85	0.0230	76.	43.	0.02
MILE	37.00	793.99	8378.	0.26	31794.	1119.	7.26	0.0280	47.	43.	0.01
MILE	36.00	793.98	8415.	0.43	19694.	900.	8.34	0.0280	36.	45.	0.02
MILE	34.60	793.98	8531.	0.28	29965.	1225.	9.63	0.0280	36.	45.	0.01
MILE	33.60	793.98	8700.	0.14	61863.	2140.	8.10	0.0290	47.	51.	0.00
MILE	31.50	793.98	9165.	0.30	30439.	1756.	10.37	0.0250	53.	55.	0.01
MILE	30.10	793.98	9359.	0.29	32048.	882.	9.90	0.0200	38.	53.	0.01
MILE	29.00	793.98	9503.	0.27	35735.	1053.	10.77	0.0200	42.	54.	0.01
MILE	27.30	793.98	9724.	0.26	37085.	1053.	11.17	0.0230	58.	57.	0.01
MILE	25.20	793.99	9694.	0.21	45956.	1051.	12.00	0.0230	64.	59.	0.01
MILE	23.10	794.00	9891.	0.26	37830.	1083.	11.43	0.0230	64.	64.	0.01

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TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.90	6689.	3.98	1681.	334.	3.23	0.0290	26.	7.	0.31
MILE	77.70	821.23	6708.	2.89	2325.	313.	3.65	0.0400	26.	11.	0.19
MILE	75.60	815.28	6724.	2.99	2246.	277.	4.00	0.0400	26.	9.	0.19
MILE	73.50	811.14	6745.	2.99	2255.	231.	3.96	0.0330	26.	12.	0.17
MILE	71.40	809.00	6770.	2.33	2911.	293.	3.70	0.0400	26.	11.	0.13
MILE	69.30	805.37	6801.	2.72	2503.	352.	3.16	0.0340	26.	7.	0.18
MILE	67.20	800.43	6845.	2.55	2680.	406.	2.95	0.0340	45.	10.	0.18
MILE	65.10	796.23	6914.	2.43	2851.	409.	3.74	0.0320	48.	9.	0.16
MILE	63.00	795.37	7022.	1.80	3911.	372.	4.87	0.0400	48.	14.	0.10
MILE	60.90	794.54	7217.	1.51	4785.	362.	5.84	0.0450	48.	18.	0.07
MILE	58.80	794.09	5449.	0.94	5777.	355.	6.15	0.0400	-1956.	21.	0.04
MILE	57.00	794.06	5622.	0.88	6393.	397.	6.03	0.0200	43.	19.	0.04

MILE	55.00	794.03	5832.	0.90	6487.	459.	6.51	0.0200	44.	21.	0.04
MILE	53.10	794.01	6064.	0.68	8926.	565.	6.00	0.0200	45.	21.	0.03
MILE	51.00	794.00	6340.	0.66	9634.	917.	6.11	0.0200	54.	25.	0.04
MILE	48.30	793.98	6491.	0.50	12986.	1620.	4.91	0.0200	54.	25.	0.03
MILE	46.20	793.98	6900.	0.44	15520.	1812.	6.73	0.0200	48.	32.	0.03
MILE	44.10	793.98	7151.	0.26	27583.	1505.	8.04	0.0300	28.	39.	0.01
MILE	43.70	793.98	7182.	0.50	14285.	1362.	8.23	0.0300	24.	41.	0.03
MILE	42.00	793.97	7236.	0.39	18693.	1329.	6.16	0.0300	52.	44.	0.02
MILE	39.10	793.96	7385.	0.41	18049.	1351.	7.85	0.0230	57.	43.	0.02
MILE	37.00	793.95	7919.	0.25	31733.	1118.	7.25	0.0280	35.	43.	0.01
MILE	36.00	793.94	8082.	0.41	19664.	899.	8.34	0.0280	27.	45.	0.02
MILE	34.60	793.95	8228.	0.27	29934.	1224.	9.62	0.0280	27.	45.	0.01
MILE	33.60	793.95	8383.	0.14	61779.	2137.	8.10	0.0290	35.	51.	0.00
MILE	31.50	793.94	8814.	0.29	30402.	1753.	10.36	0.0250	40.	55.	0.01
MILE	30.10	793.94	8965.	0.28	32006.	881.	9.90	0.0200	28.	53.	0.01
MILE	29.00	793.94	9046.	0.25	35695.	1052.	10.77	0.0200	32.	54.	0.01
MILE	27.30	793.94	9227.	0.25	37044.	1052.	11.16	0.0230	43.	57.	0.01
MILE	25.20	793.93	9681.	0.21	45897.	1050.	11.99	0.0230	48.	59.	0.01
MILE	23.10	793.92	9950.	0.26	37755.	1080.	11.42	0.0230	48.	64.	0.01

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TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6691.	3.97	1684.	334.	3.24	0.0290	26.	7.	0.31
MILE	77.70	821.23	6712.	2.89	2326.	313.	3.65	0.0400	26.	11.	0.19
MILE	75.60	815.29	6731.	3.00	2247.	277.	4.00	0.0400	26.	9.	0.19
MILE	73.50	811.14	6752.	2.99	2255.	231.	3.96	0.0330	26.	12.	0.17
MILE	71.40	809.00	6775.	2.33	2912.	293.	3.70	0.0400	26.	11.	0.13
MILE	69.30	805.36	6797.	2.72	2502.	352.	3.16	0.0340	26.	7.	0.18
MILE	67.20	800.41	6825.	2.56	2671.	405.	2.94	0.0340	31.	10.	0.18
MILE	65.10	796.16	6894.	2.44	2823.	405.	3.72	0.0320	32.	9.	0.16
MILE	63.00	795.28	7038.	1.82	3877.	368.	4.85	0.0400	32.	14.	0.10
MILE	60.90	794.43	7150.	1.51	4750.	360.	5.82	0.0450	32.	18.	0.07
MILE	58.80	794.02	5210.	0.91	5748.	354.	6.14	0.0400	-1971.	21.	0.04
MILE	57.00	793.99	5281.	0.83	6362.	396.	6.02	0.0200	29.	19.	0.04
MILE	55.00	793.96	5371.	0.83	6463.	458.	6.50	0.0200	29.	20.	0.04
MILE	53.10	793.96	5430.	0.61	8892.	564.	5.99	0.0200	30.	21.	0.03
MILE	51.00	793.95	5510.	0.57	9610.	916.	6.11	0.0200	36.	25.	0.03
MILE	48.30	793.93	5969.	0.46	12924.	1617.	4.91	0.0200	36.	25.	0.03
MILE	46.20	793.92	6502.	0.42	15470.	1809.	6.72	0.0200	32.	32.	0.03
MILE	44.10	793.92	6923.	0.25	27509.	1502.	8.03	0.0300	19.	39.	0.01
MILE	43.70	793.91	6996.	0.49	14252.	1359.	8.24	0.0300	16.	41.	0.03
MILE	42.00	793.90	7330.	0.39	18608.	1325.	6.16	0.0300	35.	44.	0.02
MILE	39.10	793.88	7813.	0.43	17984.	1347.	7.85	0.0230	38.	43.	0.02
MILE	37.00	793.90	7705.	0.24	31648.	1116.	7.24	0.0280	23.	43.	0.01
MILE	36.00	793.90	7647.	0.39	19624.	898.	8.33	0.0280	18.	45.	0.01

MILE	34.60	793.90	7594.	0.25	29883.	1222.	9.62	0.0280	18.	45.	0.01
MILE	33.60	793.90	7615.	0.12	61646.	2134.	8.09	0.0290	23.	51.	0.00
MILE	31.50	793.90	7761.	0.26	30370.	1751.	10.36	0.0250	26.	55.	0.01
MILE	30.10	793.91	7674.	0.24	31970.	880.	9.89	0.0200	19.	53.	0.01
MILE	29.00	793.91	7658.	0.21	35662.	1051.	10.76	0.0200	21.	54.	0.01
MILE	27.30	793.91	7719.	0.21	37017.	1051.	11.16	0.0230	29.	57.	0.01
MILE	25.20	793.92	7796.	0.17	45879.	1049.	11.99	0.0230	32.	59.	0.00
MILE	23.10	793.93	7815.	0.21	37764.	1080.	11.42	0.0230	32.	64.	0.01

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TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6694.	3.97	1686.	334.	3.24	0.0290	27.	7.	0.31
MILE	77.70	821.23	6719.	2.89	2328.	314.	3.65	0.0400	27.	11.	0.19
MILE	75.60	815.29	6740.	3.00	2249.	277.	4.00	0.0400	27.	9.	0.19
MILE	73.50	811.14	6759.	3.00	2256.	231.	3.96	0.0330	27.	12.	0.17
MILE	71.40	809.00	6778.	2.33	2912.	293.	3.70	0.0400	27.	11.	0.13
MILE	69.30	805.36	6798.	2.72	2501.	352.	3.16	0.0340	27.	7.	0.18
MILE	67.20	800.40	6824.	2.56	2666.	405.	2.94	0.0340	29.	10.	0.18
MILE	65.10	796.11	6872.	2.45	2803.	403.	3.70	0.0320	29.	9.	0.16
MILE	63.00	795.23	6951.	1.80	3860.	365.	4.84	0.0400	29.	14.	0.10
MILE	60.90	794.40	7050.	1.49	4738.	360.	5.81	0.0450	29.	18.	0.07
MILE	58.80	793.97	5203.	0.91	5731.	353.	6.13	0.0400	-1973.	21.	0.04
MILE	57.00	793.94	5310.	0.84	6341.	395.	6.00	0.0200	26.	19.	0.04
MILE	55.00	793.91	5410.	0.84	6443.	457.	6.49	0.0200	27.	20.	0.04
MILE	53.10	793.90	5520.	0.62	8855.	563.	5.97	0.0200	28.	21.	0.03
MILE	51.00	793.88	5677.	0.59	9576.	914.	6.10	0.0200	33.	25.	0.03
MILE	48.30	793.88	5725.	0.44	12865.	1614.	4.91	0.0200	33.	25.	0.03
MILE	46.20	793.88	5555.	0.36	15437.	1807.	6.71	0.0200	29.	32.	0.02
MILE	44.10	793.89	5658.	0.21	27473.	1501.	8.02	0.0300	17.	39.	0.01
MILE	43.70	793.88	5674.	0.40	14238.	1358.	8.24	0.0300	15.	41.	0.02
MILE	42.00	793.89	5720.	0.31	18587.	1325.	6.16	0.0300	32.	44.	0.01
MILE	39.10	793.88	5782.	0.32	17986.	1347.	7.85	0.0230	35.	43.	0.02
MILE	37.00	793.88	6266.	0.20	31621.	1115.	7.24	0.0280	22.	43.	0.01
MILE	36.00	793.87	6445.	0.33	19608.	897.	8.33	0.0280	17.	45.	0.01
MILE	34.60	793.87	6656.	0.22	29859.	1221.	9.61	0.0280	17.	45.	0.01
MILE	33.60	793.87	6848.	0.11	61574.	2132.	8.08	0.0290	22.	51.	0.00
MILE	31.50	793.87	7324.	0.24	30339.	1749.	10.35	0.0250	24.	55.	0.01
MILE	30.10	793.87	7612.	0.24	31929.	879.	9.88	0.0200	17.	53.	0.01
MILE	29.00	793.86	7768.	0.22	35619.	1049.	10.76	0.0200	19.	54.	0.01
MILE	27.30	793.86	7991.	0.22	36968.	1049.	11.15	0.0230	26.	57.	0.01
MILE	25.20	793.86	8241.	0.18	45819.	1047.	11.98	0.0230	29.	59.	0.00
MILE	23.10	793.85	8536.	0.23	37688.	1077.	11.40	0.0230	29.	64.	0.01

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TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.92	6694.	3.97	1687.	334.	3.24	0.0290	27.	7.	0.31
MILE	77.70	821.24	6719.	2.89	2328.	314.	3.65	0.0400	27.	11.	0.19
MILE	75.60	815.30	6742.	3.00	2250.	277.	4.00	0.0400	27.	9.	0.19
MILE	73.50	811.15	6764.	3.00	2257.	231.	3.97	0.0330	27.	12.	0.17
MILE	71.40	809.00	6785.	2.33	2914.	293.	3.71	0.0400	27.	11.	0.13
MILE	69.30	805.36	6807.	2.72	2503.	352.	3.16	0.0340	27.	7.	0.18
MILE	67.20	800.40	6829.	2.56	2665.	405.	2.94	0.0340	27.	10.	0.18
MILE	65.10	796.08	6868.	2.46	2788.	401.	3.69	0.0320	27.	9.	0.16
MILE	63.00	795.18	6948.	1.81	3842.	363.	4.83	0.0400	27.	14.	0.10
MILE	60.90	794.35	6990.	1.48	4722.	359.	5.80	0.0450	27.	18.	0.07
MILE	58.80	793.96	4937.	0.86	5726.	353.	6.13	0.0400	-1975.	21.	0.04
MILE	57.00	793.94	4906.	0.77	6339.	395.	6.00	0.0200	24.	19.	0.03
MILE	55.00	793.91	4910.	0.76	6443.	457.	6.49	0.0200	25.	20.	0.04
MILE	53.10	793.90	4937.	0.56	8859.	563.	5.98	0.0200	26.	21.	0.02
MILE	51.00	793.89	4990.	0.52	9581.	914.	6.10	0.0200	31.	25.	0.03
MILE	48.30	793.87	5293.	0.41	12856.	1613.	4.91	0.0200	31.	25.	0.03
MILE	46.20	793.85	5853.	0.38	15411.	1805.	6.71	0.0200	27.	32.	0.02
MILE	44.10	793.85	6101.	0.22	27427.	1499.	8.01	0.0300	16.	39.	0.01
MILE	43.70	793.84	6145.	0.43	14216.	1356.	8.24	0.0300	13.	41.	0.02
MILE	42.00	793.83	6365.	0.34	18522.	1322.	6.16	0.0300	30.	44.	0.02
MILE	39.10	793.80	6886.	0.38	17920.	1343.	7.84	0.0230	32.	43.	0.02
MILE	37.00	793.80	6901.	0.22	31495.	1112.	7.22	0.0280	20.	43.	0.01
MILE	36.00	793.80	6951.	0.36	19546.	895.	8.32	0.0280	15.	45.	0.01
MILE	34.60	793.80	7088.	0.24	29785.	1218.	9.60	0.0280	15.	45.	0.01
MILE	33.60	793.80	7207.	0.12	61379.	2126.	8.07	0.0290	20.	51.	0.00
MILE	31.50	793.80	7443.	0.25	30274.	1745.	10.34	0.0250	22.	55.	0.01
MILE	30.10	793.79	7622.	0.24	31851.	877.	9.87	0.0200	16.	53.	0.01
MILE	29.00	793.79	7714.	0.22	35545.	1046.	10.74	0.0200	18.	54.	0.01
MILE	27.30	793.79	7830.	0.21	36903.	1047.	11.14	0.0230	24.	57.	0.01
MILE	25.20	793.80	7979.	0.17	45751.	1045.	11.97	0.0230	27.	59.	0.00
MILE	23.10	793.80	8179.	0.22	37641.	1076.	11.40	0.0230	27.	64.	0.01

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TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.92	6691.	3.97	1687.	334.	3.24	0.0290	30.	7.	0.31
MILE	77.70	821.24	6718.	2.88	2329.	314.	3.65	0.0400	30.	11.	0.19
MILE	75.60	815.30	6744.	3.00	2251.	278.	4.00	0.0400	30.	9.	0.19
MILE	73.50	811.15	6768.	3.00	2259.	231.	3.97	0.0330	30.	12.	0.17
MILE	71.40	809.01	6793.	2.33	2915.	293.	3.71	0.0400	30.	11.	0.13

MILE	69.30	805.37	6817.	2.72	2505.	352.	3.16	0.0340	30.	7.	0.18
MILE	67.20	800.41	6845.	2.57	2667.	405.	2.94	0.0340	34.	10.	0.18
MILE	65.10	796.07	6871.	2.46	2788.	401.	3.69	0.0320	35.	9.	0.16
MILE	63.00	795.19	6897.	1.79	3844.	363.	4.83	0.0400	35.	14.	0.10
MILE	60.90	794.36	6968.	1.48	4724.	359.	5.80	0.0450	35.	18.	0.07
MILE	58.80	793.93	5125.	0.90	5716.	353.	6.13	0.0400	-1967.	21.	0.04
MILE	57.00	793.90	5255.	0.83	6323.	395.	6.00	0.0200	32.	19.	0.04
MILE	55.00	793.87	5378.	0.84	6426.	456.	6.49	0.0200	33.	20.	0.04
MILE	53.10	793.85	5496.	0.62	8826.	562.	5.96	0.0200	33.	21.	0.03
MILE	51.00	793.83	5678.	0.59	9548.	912.	6.09	0.0200	40.	25.	0.03
MILE	48.30	793.81	5971.	0.47	12787.	1610.	4.92	0.0200	40.	25.	0.03
MILE	46.20	793.80	6047.	0.39	15366.	1802.	6.70	0.0200	35.	32.	0.02
MILE	44.10	793.80	6370.	0.23	27367.	1496.	8.01	0.0300	21.	39.	0.01
MILE	43.70	793.79	6422.	0.45	14190.	1353.	8.25	0.0300	18.	41.	0.02
MILE	42.00	793.78	6622.	0.36	18464.	1320.	6.16	0.0300	38.	44.	0.02
MILE	39.10	793.76	6997.	0.39	17886.	1342.	7.83	0.0230	42.	43.	0.02
MILE	37.00	793.75	7570.	0.24	31419.	1110.	7.21	0.0280	26.	42.	0.01
MILE	36.00	793.74	7825.	0.40	19503.	893.	8.32	0.0280	20.	45.	0.02
MILE	34.60	793.73	8197.	0.28	29721.	1215.	9.59	0.0280	20.	45.	0.01
MILE	33.60	793.73	8520.	0.14	61196.	2122.	8.05	0.0290	26.	51.	0.00
MILE	31.50	793.72	9188.	0.30	30210.	1740.	10.33	0.0250	29.	55.	0.01
MILE	30.10	793.72	9535.	0.30	31776.	874.	9.86	0.0200	21.	53.	0.01
MILE	29.00	793.71	9770.	0.28	35469.	1044.	10.73	0.0200	23.	54.	0.01
MILE	27.30	793.70	10182.	0.28	36813.	1043.	11.13	0.0230	32.	57.	0.01
MILE	25.20	793.69	10577.	0.23	45635.	1041.	11.96	0.0230	35.	59.	0.01
MILE	23.10	793.68	11048.	0.29	37527.	1071.	11.38	0.0230	35.	64.	0.01

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TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.92	6691.	3.96	1688.	334.	3.24	0.0290	33.	7.	0.31
MILE	77.70	821.24	6721.	2.88	2330.	314.	3.65	0.0400	33.	11.	0.19
MILE	75.60	815.30	6750.	3.00	2253.	278.	4.01	0.0400	33.	9.	0.19
MILE	73.50	811.16	6777.	3.00	2260.	231.	3.97	0.0330	33.	12.	0.17
MILE	71.40	809.01	6804.	2.33	2918.	293.	3.71	0.0400	33.	11.	0.13
MILE	69.30	805.38	6830.	2.72	2508.	352.	3.16	0.0340	33.	7.	0.18
MILE	67.20	800.41	6857.	2.57	2671.	405.	2.94	0.0340	42.	10.	0.18
MILE	65.10	796.06	6891.	2.48	2783.	401.	3.69	0.0320	43.	9.	0.17
MILE	63.00	795.15	6969.	1.82	3831.	361.	4.82	0.0400	43.	14.	0.10
MILE	60.90	794.29	7063.	1.50	4702.	359.	5.78	0.0450	43.	18.	0.07
MILE	58.80	793.86	5130.	0.90	5691.	352.	6.12	0.0400	-1960.	21.	0.04
MILE	57.00	793.84	5192.	0.82	6296.	394.	5.98	0.0200	39.	19.	0.04
MILE	55.00	793.81	5295.	0.83	6403.	455.	6.48	0.0200	40.	20.	0.04
MILE	53.10	793.79	5436.	0.62	8790.	560.	5.95	0.0200	41.	21.	0.03
MILE	51.00	793.77	5679.	0.60	9518.	910.	6.08	0.0200	49.	24.	0.03
MILE	48.30	793.74	6339.	0.50	12710.	1606.	4.92	0.0200	49.	25.	0.03

MILE	46.20	793.71	7196.	0.47	15288.	1796.	6.68	0.0200	43.	32.	0.03
MILE	44.10	793.70	7841.	0.29	27256.	1491.	7.99	0.0300	26.	39.	0.01
MILE	43.70	793.70	7946.	0.56	14141.	1349.	8.25	0.0300	22.	41.	0.03
MILE	42.00	793.68	8387.	0.46	18336.	1315.	6.16	0.0300	47.	44.	0.02
MILE	39.10	793.64	8995.	0.51	17790.	1336.	7.82	0.0230	51.	43.	0.02
MILE	37.00	793.64	8974.	0.29	31244.	1106.	7.18	0.0280	32.	42.	0.01
MILE	36.00	793.64	8947.	0.46	19423.	890.	8.31	0.0280	25.	45.	0.02
MILE	34.60	793.65	8917.	0.30	29637.	1211.	9.58	0.0280	25.	45.	0.01
MILE	33.60	793.65	8941.	0.15	60983.	2116.	8.04	0.0290	32.	51.	0.00
MILE	31.50	793.65	9136.	0.30	30139.	1735.	10.32	.0.0250	36.	55.	0.01
MILE	30.10	793.65	9243.	0.29	31700.	872.	9.84	0.0200	26.	53.	0.01
MILE	29.00	793.65	9264.	0.26	35404.	1041.	10.72	0.0200	29.	54.	0.01
MILE	27.30	793.66	9233.	0.25	36766.	1042.	11.12	0.0230	39.	57.	0.01
MILE	25.20	793.66	9273.	0.20	45601.	1040.	11.95	0.0230	43.	59.	0.01
MILE	23.10	793.67	9269.	0.25	37517.	1071.	11.38	0.0230	43.	64.	0.01

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TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.92	6690.	3.96	1689.	334.	3.24	0.0290	45.	7.	0.31
MILE	77.70	821.25	6729.	2.89	2332.	314.	3.66	0.0400	45.	11.	0.19
MILE	75.60	815.32	6763.	3.00	2256.	278.	4.01	0.0400	45.	9.	0.19
MILE	73.50	811.17	6793.	3.00	2264.	232.	3.97	0.0330	45.	12.	0.17
MILE	71.40	809.03	6821.	2.33	2923.	293.	3.71	0.0400	45.	11.	0.13
MILE	69.30	805.39	6847.	2.73	2512.	352.	3.17	0.0340	45.	7.	0.18
MILE	67.20	800.43	6882.	2.57	2677.	406.	2.95	0.0340	70.	10.	0.18
MILE	65.10	796.06	6924.	2.49	2783.	401.	3.68	0.0320	73.	9.	0.17
MILE	63.00	795.13	7004.	1.83	3824.	360.	4.82	0.0400	73.	14.	0.10
MILE	60.90	794.24	7156.	1.53	4684.	358.	5.77	0.0450	73.	18.	0.07
MILE	58.80	793.77	5396.	0.95	5655.	351.	6.11	0.0400	-1932.	21.	0.04
MILE	57.00	793.73	5611.	0.90	6249.	392.	5.96	0.0200	66.	19.	0.04
MILE	55.00	793.69	5845.	0.92	6359.	454.	6.46	0.0200	68.	20.	0.04
MILE	53.10	793.67	6063.	0.70	8716.	558.	5.93	0.0200	69.	20.	0.03
MILE	51.00	793.65	6317.	0.67	9458.	907.	6.07	0.0200	83.	24.	0.04
MILE	48.30	793.64	6542.	0.52	12603.	1600.	4.92	0.0200	83.	25.	0.03
MILE	46.20	793.64	6648.	0.44	15222.	1792.	6.67	0.0200	73.	32.	0.03
MILE	44.10	793.64	6885.	0.25	27183.	1488.	7.98	0.0300	43.	38.	0.01
MILE	43.70	793.64	6917.	0.49	14111.	1346.	8.26	0.0300	36.	41.	0.03
MILE	42.00	793.64	6969.	0.38	18295.	1314.	6.16	0.0300	80.	44.	0.02
MILE	39.10	793.65	6899.	0.39	17792.	1336.	7.82	0.0230	87.	43.	0.02
MILE	37.00	793.65	7180.	0.23	31253.	1106.	7.18	0.0280	54.	42.	0.01
MILE	36.00	793.65	7285.	0.37	19427.	890.	8.31	0.0280	42.	45.	0.01
MILE	34.60	793.65	7401.	0.25	29640.	1212.	9.58	0.0280	42.	45.	0.01
MILE	33.60	793.65	7482.	0.12	60991.	2116.	8.04	0.0290	54.	51.	0.00
MILE	31.50	793.65	7589.	0.25	30147.	1736.	10.32	0.0250	61.	55.	0.01
MILE	30.10	793.66	7499.	0.24	31713.	872.	9.84	0.0200	43.	53.	0.01

MILE	29.00	793.66	7506.	0.21	35417.	1042.	10.72	0.0200	49.	54.	0.01
MILE	27.30	793.66	7624.	0.21	36774.	1042.	11.12	0.0230	66.	57.	0.01
MILE	25.20	793.66	7785.	0.17	45602.	1040.	11.95	0.0230	73.	59.	0.00
MILE	23.10	793.66	7987.	0.21	37508.	1070.	11.38	0.0230	73.	64.	0.01

0DATE 5-05-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.93	6687.	3.96	1690.	334.	3.25	0.0290	58.	7.	0.31
MILE	77.70	821.26	6738.	2.89	2335.	314.	3.66	0.0400	58.	11.	0.19
MILE	75.60	815.33	6781.	3.00	2262.	278.	4.01	0.0400	58.	9.	0.19
MILE	73.50	811.19	6817.	3.00	2270.	232.	3.98	0.0330	58.	12.	0.17
MILE	71.40	809.05	6851.	2.34	2931.	294.	3.72	0.0400	58.	11.	0.13
MILE	69.30	805.40	6882.	2.73	2520.	352.	3.17	0.0340	58.	7.	0.18
MILE	67.20	800.45	6924.	2.58	2689.	406.	2.96	0.0340	97.	10.	0.18
MILE	65.10	796.06	6988.	2.51	2781.	401.	3.68	0.0320	103.	9.	0.17
MILE	63.00	795.10	7104.	1.86	3812.	359.	4.81	0.0400	103.	14.	0.10
MILE	60.90	794.18	7205.	1.54	4663.	357.	5.76	0.0450	103.	18.	0.08
MILE	58.80	793.72	5243.	0.93	5639.	350.	6.10	0.0400	-1905.	21.	0.04
MILE	57.00	793.70	5277.	0.85	6236.	392.	5.95	0.0200	93.	19.	0.04
MILE	55.00	793.67	5323.	0.84	6353.	453.	6.46	0.0200	95.	20.	0.04
MILE	53.10	793.66	5355.	0.61	8714.	558.	5.93	0.0200	98.	20.	0.03
MILE	51.00	793.65	5355.	0.57	9461.	907.	6.07	0.0200	117.	24.	0.03
MILE	48.30	793.65	5390.	0.43	12614.	1601.	4.92	0.0200	117.	25.	0.03
MILE	46.20	793.64	5543.	0.36	15226.	1792.	6.67	0.0200	103.	32.	0.02
MILE	44.10	793.64	5527.	0.20	27185.	1488.	7.98	0.0300	61.	38.	0.01
MILE	43.70	793.64	5540.	0.39	14112.	1346.	8.26	0.0300	51.	41.	0.02
MILE	42.00	793.64	5692.	0.31	18290.	1313.	6.16	0.0300	112.	44.	0.01
MILE	39.10	793.62	6220.	0.35	17768.	1335.	7.82	0.0230	122.	43.	0.02
MILE	37.00	793.62	6427.	0.21	31196.	1105.	7.18	0.0280	76.	42.	0.01
MILE	36.00	793.61	6506.	0.34	19398.	889.	8.31	0.0280	59.	45.	0.01
MILE	34.60	793.61	6629.	0.22	29599.	1210.	9.58	0.0280	59.	45.	0.01
MILE	33.60	793.61	6791.	0.11	60874.	2113.	8.03	0.0290	76.	51.	0.00
MILE	31.50	793.61	7299.	0.24	30103.	1733.	10.32	0.0250	86.	55.	0.01
MILE	30.10	793.60	7601.	0.24	31655.	871.	9.83	0.0200	61.	53.	0.01
MILE	29.00	793.60	7774.	0.22	35357.	1040.	10.71	0.0200	68.	54.	0.01
MILE	27.30	793.60	8035.	0.22	36712.	1040.	11.11	0.0230	93.	57.	0.01
MILE	25.20	793.60	8399.	0.18	45534.	1038.	11.94	0.0230	103.	59.	0.00
MILE	23.10	793.60	8615.	0.23	37451.	1068.	11.37	0.0230	103.	64.	0.01

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TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.94	6690.	3.95	1693.	334.	3.25	0.0290	84.	7.	0.31
MILE	77.70	821.28	6759.	2.89	2342.	315.	3.67	0.0400	84.	11.	0.19
MILE	75.60	815.36	6813.	3.00	2271.	279.	4.02	0.0400	84.	9.	0.19
MILE	73.50	811.23	6858.	3.01	2280.	233.	3.99	0.0330	84.	12.	0.17
MILE	71.40	809.08	6901.	2.34	2944.	294.	3.73	0.0400	84.	11.	0.13
MILE	69.30	805.43	6943.	2.74	2534.	352.	3.18	0.0340	84.	7.	0.18
MILE	67.20	800.48	7000.	2.58	2708.	407.	2.97	0.0340	125.	10.	0.18
MILE	65.10	796.10	7067.	2.52	2799.	403.	3.70	0.0320	131.	9.	0.17
MILE	63.00	795.15	7104.	1.85	3831.	361.	4.82	0.0400	131.	14.	0.10
MILE	60.90	794.25	7143.	1.52	4688.	358.	5.77	0.0450	131.	18.	0.07
MILE	58.80	793.80	5218.	0.92	5667.	351.	6.11	0.0400	-1879.	21.	0.04
MILE	57.00	793.76	5289.	0.84	6265.	393.	5.97	0.0200	118.	19.	0.04
MILE	55.00	793.73	5359.	0.84	6374.	454.	6.47	0.0200	121.	20.	0.04
MILE	53.10	793.70	5453.	0.62	8739.	559.	5.94	0.0200	124.	20.	0.03
MILE	51.00	793.68	5617.	0.59	9472.	907.	6.07	0.0200	149.	24.	0.03
MILE	48.30	793.64	5936.	0.47	12609.	1601.	4.92	0.0200	149.	25.	0.03
MILE	46.20	793.63	6020.	0.40	15216.	1791.	6.67	0.0200	131.	32.	0.02
MILE	44.10	793.62	6332.	0.23	27158.	1487.	7.98	0.0300	78.	38.	0.01
MILE	43.70	793.62	6376.	0.45	14099.	1345.	8.26	0.0300	65.	41.	0.02
MILE	42.00	793.61	6474.	0.35	18252.	1312.	6.16	0.0300	143.	44.	0.02
MILE	39.10	793.61	6103.	0.34	17763.	1335.	7.82	0.0230	155.	43.	0.02
MILE	37.00	793.62	5736.	0.18	31211.	1105.	7.18	0.0280	96.	42.	0.01
MILE	36.00	793.63	5620.	0.29	19411.	889.	8.31	0.0280	75.	45.	0.01
MILE	34.60	793.64	5468.	0.18	29625.	1211.	9.58	0.0280	75.	45.	0.01
MILE	33.60	793.64	5263.	0.09	60955.	2115.	8.04	0.0290	96.	51.	0.00
MILE	31.50	793.65	4698.	0.16	30139.	1735.	10.32	0.0250	109.	55.	0.01
MILE	30.10	793.65	4459.	0.14	31704.	872.	9.84	0.0200	78.	53.	0.00
MILE	29.00	793.66	4313.	0.12	35410.	1042.	10.72	0.0200	87.	54.	0.00
MILE	27.30	793.67	4009.	0.11	36777.	1042.	11.12	0.0230	118.	57.	0.00
MILE	25.20	793.68	3657.	0.08	45621.	1040.	11.95	0.0230	131.	59.	0.00
MILE	23.10	793.69	3557.	0.09	37536.	1072.	11.38	0.0230	131.	64.	0.00

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TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6692.	3.95	1696.	334.	3.25	0.0290	111.	7.	0.31
MILE	77.70	821.30	6786.	2.89	2351.	316.	3.67	0.0400	111.	11.	0.19
MILE	75.60	815.41	6863.	3.00	2285.	280.	4.04	0.0400	111.	9.	0.19
MILE	73.50	811.28	6926.	3.02	2296.	234.	4.00	0.0330	111.	12.	0.17
MILE	71.40	809.13	6988.	2.36	2965.	295.	3.74	0.0400	111.	11.	0.13
MILE	69.30	805.48	7047.	2.76	2557.	353.	3.20	0.0340	111.	7.	0.18
MILE	67.20	800.54	7115.	2.60	2740.	409.	2.99	0.0340	153.	10.	0.18
MILE	65.10	796.18	7175.	2.53	2832.	406.	3.72	0.0320	159.	9.	0.17

MILE	63.00	795.22	7235.	1.88	3855.	365.	4.84	0.0400	159.	14.	0.10
MILE	60.90	794.27	7363.	1.57	4696.	358.	5.78	0.0450	159.	18.	0.08
MILE	58.80	793.78	5532.	0.98	5661.	351.	6.11	0.0400	-1853.	21.	0.04
MILE	57.00	793.75	5680.	0.91	6258.	393.	5.96	0.0200	143.	19.	0.04
MILE	55.00	793.71	5840.	0.92	6368.	454.	6.46	0.0200	147.	20.	0.04
MILE	53.10	793.70	5940.	0.68	8735.	559.	5.94	0.0200	151.	20.	0.03
MILE	51.00	793.69	5886.	0.62	9480.	908.	6.07	0.0200	181.	24.	0.03
MILE	48.30	793.70	5231.	0.41	12676.	1604.	4.92	0.0200	181.	25.	0.03
MILE	46.20	793.71	4766.	0.31	15283.	1796.	6.68	0.0200	159.	32.	0.02
MILE	44.10	793.72	4113.	0.15	27277.	1492.	7.99	0.0300	94.	39.	0.01
MILE	43.70	793.72	4008.	0.28	14154.	1350.	8.25	0.0300	79.	41.	0.02
MILE	42.00	793.74	3564.	0.19	18411.	1318.	6.16	0.0300	174.	44.	0.01
MILE	39.10	793.76	2802.	0.16	17887.	1342.	7.83	0.0230	189.	43.	0.01
MILE	37.00	793.78	2245.	0.07	31461.	1111.	7.21	0.0280	117.	42.	0.00
MILE	36.00	793.79	2103.	0.11	19536.	894.	8.32	0.0280	91.	45.	0.00
MILE	34.60	793.79	1932.	0.06	29782.	1218.	9.60	0.0280	91.	45.	0.00
MILE	33.60	793.80	1598.	0.03	61382.	2127.	8.07	0.0290	117.	51.	0.00
MILE	31.50	793.81	545.	0.02	30287.	1745.	10.34	0.0250	132.	55.	0.00
MILE	30.10	793.82	250.	0.01	31877.	877.	9.87	0.0200	94.	53.	0.00
MILE	29.00	793.82	81.	0.00	35575.	1048.	10.75	0.0200	106.	54.	0.00
MILE	27.30	793.83	-280.	-0.01	36935.	1048.	11.15	0.0230	143.	57.	0.00
MILE	25.20	793.84	-667.	-0.01	45793.	1046.	11.98	0.0230	159.	59.	0.00
MILE	23.10	793.84	-892.	-0.02	37678.	1077.	11.40	0.0230	159.	64.	0.00

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TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6692.	3.94	1697.	334.	3.25	0.0290	114.	7.	0.31
MILE	77.70	821.32	6802.	2.89	2357.	316.	3.68	0.0400	114.	11.	0.19
MILE	75.60	815.45	6904.	3.01	2297.	282.	4.05	0.0400	114.	9.	0.19
MILE	73.50	811.33	6991.	3.02	2311.	235.	4.01	0.0330	114.	12.	0.17
MILE	71.40	809.18	7073.	2.37	2987.	296.	3.76	0.0400	114.	11.	0.13
MILE	69.30	805.53	7147.	2.77	2580.	354.	3.22	0.0340	114.	7.	0.18
MILE	67.20	800.59	7220.	2.61	2768.	411.	3.01	0.0340	137.	10.	0.18
MILE	65.10	796.25	7294.	2.55	2857.	409.	3.74	0.0320	140.	9.	0.17
MILE	63.00	795.28	7343.	1.89	3877.	368.	4.85	0.0400	140.	14.	0.10
MILE	60.90	794.36	7309.	1.55	4724.	359.	5.80	0.0450	140.	18.	0.08
MILE	58.80	793.92	5191.	0.91	5711.	353.	6.13	0.0400	-1870.	21.	0.04
MILE	57.00	793.89	5098.	0.81	6321.	395.	5.99	0.0200	127.	19.	0.04
MILE	55.00	793.88	4956.	0.77	6430.	456.	6.49	0.0200	130.	20.	0.04
MILE	53.10	793.88	4730.	0.53	8844.	562.	5.97	0.0200	134.	21.	0.02
MILE	51.00	793.88	4283.	0.45	9578.	914.	6.10	0.0200	160.	25.	0.02
MILE	48.30	793.90	3310.	0.26	12887.	1615.	4.91	0.0200	160.	25.	0.02
MILE	46.20	793.91	2191.	0.14	15460.	1808.	6.72	0.0200	140.	32.	0.01
MILE	44.10	793.91	1277.	0.05	27507.	1502.	8.03	0.0300	83.	39.	0.00
MILE	43.70	793.92	1154.	0.08	14254.	1359.	8.24	0.0300	70.	41.	0.00

MILE	42.00	793.91	799.	0.04	18622.	1326.	6.16	0.0300	154.	44.	0.00
MILE	39.10	793.90	705.	0.04	18000.	1348.	7.85	0.0230	167.	43.	0.00
MILE	37.00	793.89	881.	0.03	31636.	1115.	7.24	0.0280	104.	43.	0.00
MILE	36.00	793.88	994.	0.05	19614.	897.	8.33	0.0280	80.	45.	0.00
MILE	34.60	793.88	1171.	0.04	29862.	1221.	9.61	0.0280	80.	45.	0.00
MILE	33.60	793.87	1280.	0.02	61578.	2132.	8.08	0.0290	104.	51.	0.00
MILE	31.50	793.87	1436.	0.05	30336.	1749.	10.35	0.0250	117.	55.	0.00
MILE	30.10	793.86	1625.	0.05	31922.	879.	9.88	0.0200	83.	53.	0.00
MILE	29.00	793.86	1784.	0.05	35610.	1049.	10.75	0.0200	93.	54.	0.00
MILE	27.30	793.85	2057.	0.06	36957.	1049.	11.15	0.0230	127.	57.	0.00
MILE	25.20	793.84	2301.	0.05	45796.	1046.	11.98	0.0230	140.	59.	0.00
MILE	23.10	793.83	2514.	0.07	37669.	1077.	11.40	0.0230	140.	64.	0.00

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TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6692.	3.95	1696.	334.	3.25	0.0290	117.	7.	0.31
MILE	77.70	821.33	6808.	2.89	2359.	316.	3.68	0.0400	117.	11.	0.19
MILE	75.60	815.47	6921.	3.01	2303.	282.	4.05	0.0400	117.	9.	0.19
MILE	73.50	811.36	7024.	3.03	2321.	236.	4.02	0.0330	117.	12.	0.17
MILE	71.40	809.21	7124.	2.37	3000.	297.	3.77	0.0400	117.	11.	0.13
MILE	69.30	805.57	7220.	2.78	2596.	354.	3.23	0.0340	117.	7.	0.18
MILE	67.20	800.64	7312.	2.62	2793.	412.	3.02	0.0340	121.	10.	0.18
MILE	65.10	796.35	7370.	2.54	2899.	414.	3.78	0.0320	122.	9.	0.17
MILE	63.00	795.43	7288.	1.85	3933.	375.	4.89	0.0400	122.	14.	0.10
MILE	60.90	794.60	7120.	1.48	4805.	362.	5.86	0.0450	122.	18.	0.07
MILE	58.80	794.20	4925.	0.85	5818.	356.	6.16	0.0400	-1887.	21.	0.04
MILE	57.00	794.18	4768.	0.74	6443.	399.	6.06	0.0200	110.	19.	0.03
MILE	55.00	794.15	4604.	0.70	6532.	461.	6.52	0.0200	113.	21.	0.03
MILE	53.10	794.12	4528.	0.50	8991.	567.	6.02	0.0200	116.	21.	0.02
MILE	51.00	794.08	4543.	0.47	9678.	920.	6.12	0.0200	139.	25.	0.03
MILE	48.30	794.03	4754.	0.36	13034.	1622.	4.91	0.0200	139.	25.	0.02
MILE	46.20	794.00	4642.	0.30	15545.	1814.	6.73	0.0200	122.	32.	0.02
MILE	44.10	793.98	4625.	0.17	27589.	1506.	8.04	0.0300	73.	39.	0.01
MILE	43.70	793.98	4629.	0.32	14286.	1362.	8.23	0.0300	61.	41.	0.02
MILE	42.00	793.95	4685.	0.25	18664.	1328.	6.16	0.0300	134.	44.	0.01
MILE	39.10	793.91	4740.	0.26	18005.	1348.	7.85	0.0230	145.	43.	0.01
MILE	37.00	793.89	4628.	0.15	31647.	1116.	7.24	0.0280	90.	43.	0.00
MILE	36.00	793.89	4559.	0.23	19618.	898.	8.33	0.0280	70.	45.	0.01
MILE	34.60	793.88	4470.	0.15	29864.	1221.	9.61	0.0280	70.	45.	0.01
MILE	33.60	793.87	4470.	0.07	61579.	2132.	8.08	0.0290	90.	51.	0.00
MILE	31.50	793.86	4659.	0.15	30332.	1748.	10.35	0.0250	102.	55.	0.01
MILE	30.10	793.86	4642.	0.15	31918.	879.	9.88	0.0200	73.	53.	0.00
MILE	29.00	793.85	4648.	0.13	35604.	1049.	10.75	0.0200	81.	54.	0.00
MILE	27.30	793.84	4689.	0.13	36945.	1048.	11.15	0.0230	110.	57.	0.00
MILE	25.20	793.83	4806.	0.10	45785.	1046.	11.97	0.0230	122.	59.	0.00

MILE	23.10	793.83	4799.	0.13	37669.	1077.	11.40	0.0230	122.	64.	0.00

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TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.94	6690.	3.95	1695.	334.	3.25	0.0290	124.	7.	0.31
MILE	77.70	821.33	6813.	2.89	2361.	316.	3.68	0.0400	124.	11.	0.19
MILE	75.60	815.49	6933.	3.01	2307.	282.	4.06	0.0400	124.	9.	0.19
MILE	73.50	811.39	7051.	3.03	2327.	236.	4.02	0.0330	124.	12.	0.17
MILE	71.40	809.24	7166.	2.38	3012.	298.	3.78	0.0400	124.	11.	0.13
MILE	69.30	805.60	7280.	2.79	2611.	355.	3.24	0.0340	124.	7.	0.18
MILE	67.20	800.69	7385.	2.62	2819.	413.	3.04	0.0340	132.	10.	0.18
MILE	65.10	796.49	7426.	2.51	2954.	420.	3.82	0.0320	133.	9.	0.17
MILE	63.00	795.58	7407.	1.86	3986.	383.	4.92	0.0400	133.	15.	0.10
MILE	60.90	794.69	7526.	1.56	4835.	363.	5.88	0.0450	133.	18.	0.08
MILE	58.80	794.20	5755.	0.99	5817.	356.	6.16	0.0400	-1876.	21.	0.04
MILE	57.00	794.16	5960.	0.93	6435.	398.	6.05	0.0200	121.	19.	0.04
MILE	55.00	794.11	6200.	0.95	6519.	460.	6.52	0.0200	124.	21.	0.04
MILE	53.10	794.08	6437.	0.72	8970.	566.	6.01	0.0200	127.	21.	0.03
MILE	51.00	794.06	6696.	0.69	9665.	919.	6.12	0.0200	152.	25.	0.04
MILE	48.30	794.02	6870.	0.53	13028.	1622.	4.91	0.0200	152.	25.	0.03
MILE	46.20	794.00	7166.	0.46	15542.	1814.	6.73	0.0200	133.	32.	0.03
MILE	44.10	793.99	7366.	0.27	27601.	1506.	8.04	0.0300	79.	39.	0.01
MILE	43.70	793.99	7391.	0.52	14292.	1362.	8.23	0.0300	67.	41.	0.03
MILE	42.00	793.97	7433.	0.40	18691.	1329.	6.16	0.0300	146.	44.	0.02
MILE	39.10	793.94	7613.	0.42	18027.	1350.	7.85	0.0230	159.	43.	0.02
MILE	37.00	793.92	8106.	0.26	31682.	1116.	7.24	0.0280	98.	43.	0.01
MILE	36.00	793.91	8237.	0.42	19633.	898.	8.33	0.0280	76.	45.	0.02
MILE	34.60	793.90	8331.	0.28	29884.	1222.	9.62	0.0280	76.	45.	0.01
MILE	33.60	793.89	8439.	0.14	61637.	2134.	8.09	0.0290	98.	51.	0.00
MILE	31.50	793.88	8762.	0.29	30354.	1750.	10.36	0.0250	111.	55.	0.01
MILE	30.10	793.88	8753.	0.27	31941.	879.	9.88	0.0200	79.	53.	0.01
MILE	29.00	793.87	8791.	0.25	35627.	1049.	10.76	0.0200	89.	54.	0.01
MILE	27.30	793.86	8946.	0.24	36970.	1049.	11.15	0.0230	121.	57.	0.01
MILE	25.20	793.85	9229.	0.20	45802.	1046.	11.98	0.0230	133.	59.	0.01
MILE	23.10	793.83	9358.	0.25	37669.	1077.	11.40	0.0230	133.	64.	0.01

0DATE 5-06-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.94	6692.	3.95	1693.	334.	3.25	0.0290	132.	7.	0.31

MILE	77.70	821.34	6824.	2.89	2363.	317.	3.69	0.0400	132.	11.	0.19
MILE	75.60	815.51	6954.	3.01	2312.	283.	4.06	0.0400	132.	9.	0.19
MILE	73.50	811.41	7080.	3.03	2335.	237.	4.03	0.0330	132.	12.	0.17
MILE	71.40	809.27	7201.	2.38	3022.	298.	3.79	0.0400	132.	11.	0.13
MILE	69.30	805.62	7314.	2.79	2621.	355.	3.25	0.0340	132.	7.	0.18
MILE	67.20	800.72	7419.	2.62	2835.	414.	3.05	0.0340	143.	10.	0.18
MILE	65.10	796.54	7510.	2.53	2973.	423.	3.83	0.0320	145.	10.	0.17
MILE	63.00	795.59	7630.	1.91	3990.	383.	4.92	0.0400	145.	15.	0.10
MILE	60.90	794.63	7783.	1.62	4818.	363.	5.86	0.0450	145.	18.	0.08
MILE	58.80	794.12	5960.	1.03	5788.	355.	6.15	0.0400	-1866.	21.	0.04
MILE	57.00	794.08	6135.	0.96	6402.	397.	6.04	0.0200	131.	19.	0.04
MILE	55.00	794.04	6338.	0.98	6491.	459.	6.51	0.0200	134.	21.	0.05
MILE	53.10	794.02	6527.	0.73	8930.	565.	6.00	0.0200	138.	21.	0.03
MILE	51.00	794.00	6776.	0.70	9634.	917.	6.11	0.0200	165.	25.	0.04
MILE	48.30	793.96	7411.	0.57	12961.	1619.	4.91	0.0200	165.	25.	0.04
MILE	46.20	793.94	8064.	0.52	15492.	1811.	6.72	0.0200	145.	32.	0.03
MILE	44.10	793.94	8626.	0.31	27535.	1503.	8.03	0.0300	86.	39.	0.01
MILE	43.70	793.93	8725.	0.61	14262.	1360.	8.24	0.0300	72.	41.	0.03
MILE	42.00	793.91	9175.	0.49	18616.	1326.	6.16	0.0300	159.	44.	0.02
MILE	39.10	793.86	10111.	0.56	17967.	1346.	7.84	0.0230	172.	43.	0.03
MILE	37.00	793.85	10500.	0.33	31578.	1114.	7.23	0.0280	107.	43.	0.01
MILE	36.00	793.84	10639.	0.54	19582.	896.	8.33	0.0280	83.	45.	0.02
MILE	34.60	793.84	10825.	0.36	29824.	1219.	9.61	0.0280	83.	45.	0.01
MILE	33.60	793.84	11026.	0.18	61480.	2129.	8.08	0.0290	107.	51.	0.01
MILE	31.50	793.83	11571.	0.38	30304.	1747.	10.35	0.0250	121.	55.	0.02
MILE	30.10	793.82	11845.	0.37	31884.	878.	9.87	0.0200	86.	53.	0.01
MILE	29.00	793.82	12023.	0.34	35573.	1047.	10.75	0.0200	96.	54.	0.01
MILE	27.30	793.81	12306.	0.33	36922.	1047.	11.15	0.0230	131.	57.	0.01
MILE	25.20	793.81	12617.	0.28	45768.	1045.	11.97	0.0230	145.	59.	0.01
MILE	23.10	793.81	12846.	0.34	37650.	1076.	11.40	0.0230	145.	64.	0.01

0DATE 5-06-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.93	6690.	3.96	1690.	334.	3.25	0.0290	133.	7.	0.31
MILE	77.70	821.34	6827.	2.89	2364.	317.	3.69	0.0400	133.	11.	0.19
MILE	75.60	815.52	6963.	3.01	2316.	283.	4.07	0.0400	133.	9.	0.19
MILE	73.50	811.43	7091.	3.03	2339.	237.	4.03	0.0330	133.	12.	0.17
MILE	71.40	809.28	7213.	2.38	3027.	298.	3.79	0.0400	133.	11.	0.13
MILE	69.30	805.63	7330.	2.79	2625.	355.	3.25	0.0340	133.	7.	0.18
MILE	67.20	800.73	7448.	2.62	2843.	415.	3.06	0.0340	142.	10.	0.18
MILE	65.10	796.55	7565.	2.54	2979.	423.	3.84	0.0320	143.	10.	0.17
MILE	63.00	795.59	7708.	1.93	3989.	383.	4.92	0.0400	143.	15.	0.11
MILE	60.90	794.60	7902.	1.64	4806.	362.	5.86	0.0450	143.	18.	0.08
MILE	58.80	794.06	6160.	1.07	5763.	355.	6.14	0.0400	-1867.	21.	0.05
MILE	57.00	794.01	6379.	1.00	6371.	396.	6.02	0.0200	130.	19.	0.04

MILE	55.00	793.96	6629.	1.03	6461.	458.	6.50	0.0200	133.	20.	0.05
MILE	53.10	793.93	6911.	0.78	8876.	563.	5.98	0.0200	137.	21.	0.03
MILE	51.00	793.90	7337.	0.77	9583.	914.	6.10	0.0200	164.	25.	0.04
MILE	48.30	793.86	8085.	0.63	12844.	1613.	4.92	0.0200	164.	25.	0.04
MILE	46.20	793.84	8583.	0.56	15404.	1804.	6.71	0.0200	143.	32.	0.03
MILE	44.10	793.84	9199.	0.34	27420.	1498.	8.01	0.0300	85.	39.	0.01
MILE	43.70	793.84	9285.	0.65	14212.	1355.	8.24	0.0300	72.	41.	0.04
MILE	42.00	793.83	9483.	0.51	18515.	1322.	6.16	0.0300	157.	44.	0.02
MILE	39.10	793.84	8850.	0.49	17952.	1345.	7.84	0.0230	171.	43.	0.02
MILE	37.00	793.88	7800.	0.25	31631.	1115.	7.24	0.0280	106.	43.	0.01
MILE	36.00	793.90	7471.	0.38	19625.	898.	8.33	0.0280	82.	45.	0.01
MILE	34.60	793.92	7044.	0.24	29903.	1223.	9.62	0.0280	82.	45.	0.01
MILE	33.60	793.93	6450.	0.10	61723.	2136.	8.09	0.0290	106.	51.	0.00
MILE	31.50	793.95	4787.	0.16	30415.	1754.	10.36	0.0250	119.	55.	0.01
MILE	30.10	793.97	4228.	0.13	32036.	882.	9.90	0.0200	85.	53.	0.00
MILE	29.00	793.98	3814.	0.11	35736.	1053.	10.78	0.0200	96.	54.	0.00
MILE	27.30	794.01	2885.	0.08	37114.	1054.	11.17	0.0230	130.	57.	0.00
MILE	25.20	794.05	1819.	0.04	46023.	1054.	12.01	0.0230	143.	60.	0.00
MILE	23.10	794.08	1137.	0.03	37906.	1086.	11.44	0.0230	143.	64.	0.00

0DATE 5-06-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.92	6688.	3.96	1689.	334.	3.24	0.0290	135.	7.	0.31
MILE	77.70	821.34	6822.	2.89	2364.	317.	3.69	0.0400	135.	11.	0.19
MILE	75.60	815.52	6956.	3.00	2316.	283.	4.07	0.0400	135.	9.	0.19
MILE	73.50	811.43	7086.	3.03	2339.	237.	4.03	0.0330	135.	12.	0.17
MILE	71.40	809.28	7214.	2.38	3028.	298.	3.79	0.0400	135.	11.	0.13
MILE	69.30	805.63	7340.	2.79	2627.	355.	3.25	0.0340	135.	7.	0.18
MILE	67.20	800.74	7465.	2.62	2847.	415.	3.06	0.0340	141.	10.	0.18
MILE	65.10	796.54	7599.	2.56	2974.	423.	3.83	0.0320	142.	10.	0.17
MILE	63.00	795.54	7794.	1.96	3974.	381.	4.91	0.0400	142.	15.	0.11
MILE	60.90	794.51	8032.	1.68	4776.	361.	5.84	0.0450	142.	18.	0.08
MILE	58.80	793.95	6262.	1.09	5722.	353.	6.13	0.0400	-1868.	21.	0.05
MILE	57.00	793.91	6440.	1.02	6327.	395.	6.00	0.0200	128.	19.	0.04
MILE	55.00	793.87	6617.	1.03	6429.	456.	6.49	0.0200	132.	20.	0.05
MILE	53.10	793.87	6686.	0.76	8840.	562.	5.97	0.0200	135.	21.	0.03
MILE	51.00	793.88	6475.	0.68	9578.	914.	6.10	0.0200	162.	25.	0.04
MILE	48.30	793.94	5074.	0.39	12936.	1617.	4.91	0.0200	162.	25.	0.02
MILE	46.20	793.98	3653.	0.24	15522.	1813.	6.73	0.0200	142.	32.	0.01
MILE	44.10	794.02	2037.	0.07	27635.	1508.	8.04	0.0300	85.	39.	0.00
MILE	43.70	794.03	1782.	0.12	14314.	1364.	8.23	0.0300	71.	41.	0.01
MILE	42.00	794.08	769.	0.04	18820.	1333.	6.16	0.0300	156.	44.	0.00
MILE	39.10	794.12	-182.	-0.01	18180.	1358.	7.87	0.0230	169.	43.	0.00
MILE	37.00	794.13	-165.	-0.01	32021.	1124.	7.29	0.0280	105.	43.	0.00
MILE	36.00	794.13	-52.	0.00	19814.	905.	8.35	0.0280	81.	45.	0.00

MILE	34.60	794.14	105.	0.00	30127.	1232.	9.65	0.0280	81.	46.	0.00
MILE	33.60	794.15	-16.	0.00	62310.	2152.	8.14	0.0290	105.	51.	0.00
MILE	31.50	794.15	-778.	-0.03	30595.	1766.	10.39	0.0250	118.	55.	0.00
MILE	30.10	794.16	-827.	-0.03	32232.	888.	9.94	0.0200	85.	53.	0.00
MILE	29.00	794.16	-783.	-0.02	35914.	1060.	10.80	0.0200	95.	54.	0.00
MILE	27.30	794.17	-724.	-0.02	37267.	1060.	11.20	0.0230	128.	57.	0.00
MILE	25.20	794.17	-818.	-0.02	46152.	1058.	12.02	0.0230	142.	60.	0.00
MILE	23.10	794.15	-715.	-0.02	37973.	1089.	11.45	0.0230	142.	64.	0.00

0DATE 5-06-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.93	6695.	3.96	1692.	334.	3.25	0.0290	135.	7.	0.31
MILE	77.70	821.34	6826.	2.89	2364.	317.	3.69	0.0400	135.	11.	0.19
MILE	75.60	815.51	6953.	3.00	2315.	283.	4.06	0.0400	135.	9.	0.19
MILE	73.50	811.42	7081.	3.03	2338.	237.	4.03	0.0330	135.	12.	0.17
MILE	71.40	809.28	7209.	2.38	3026.	298.	3.79	0.0400	135.	11.	0.13
MILE	69.30	805.63	7339.	2.79	2627.	355.	3.25	0.0340	135.	7.	0.18
MILE	67.20	800.74	7473.	2.62	2847.	415.	3.06	0.0340	138.	10.	0.18
MILE	65.10	796.52	7624.	2.57	2968.	422.	3.83	0.0320	139.	10.	0.17
MILE	63.00	795.56	7719.	1.94	3978.	381.	4.92	0.0400	139.	15.	0.11
MILE	60.90	794.65	7548.	1.57	4822.	363.	5.87	0.0450	139.	18.	0.08
MILE	58.80	794.26	5043.	0.86	5840.	357.	6.17	0.0400	-1871.	21.	0.04
MILE	57.00	794.26	4582.	0.71	6480.	400.	6.07	0.0200	125.	19.	0.03
MILE	55.00	794.27	4013.	0.61	6578.	463.	6.54	0.0200	129.	21.	0.03
MILE	53.10	794.28	3421.	0.38	9091.	570.	6.05	0.0200	132.	21.	0.02
MILE	51.00	794.28	2674.	0.27	9781.	926.	6.15	0.0200	158.	25.	0.01
MILE	48.30	794.25	2067.	0.16	13288.	1635.	4.91	0.0200	158.	25.	0.01
MILE	46.20	794.25	945.	0.06	15764.	1830.	6.77	0.0200	139.	32.	0.00
MILE	44.10	794.24	109.	0.00	27893.	1519.	8.08	0.0300	83.	39.	0.00
MILE	43.70	794.23	5.	0.00	14422.	1374.	8.22	0.0300	69.	41.	0.00
MILE	42.00	794.22	-264.	-0.01	18992.	1340.	6.16	0.0300	152.	44.	0.00
MILE	39.10	794.20	-696.	-0.04	18246.	1362.	7.87	0.0230	165.	43.	0.00
MILE	37.00	794.21	-1647.	-0.05	32159.	1128.	7.31	0.0280	102.	43.	0.00
MILE	36.00	794.21	-1991.	-0.10	19881.	908.	8.36	0.0280	79.	45.	0.00
MILE	34.60	794.22	-2388.	-0.08	30200.	1235.	9.66	0.0280	79.	46.	0.00
MILE	33.60	794.22	-2705.	-0.04	62495.	2157.	8.15	0.0290	102.	51.	0.00
MILE	31.50	794.22	-3291.	-0.11	30654.	1770.	10.40	0.0250	116.	55.	0.00
MILE	30.10	794.22	-3525.	-0.11	32304.	890.	9.95	0.0200	83.	53.	0.00
MILE	29.00	794.23	-3676.	-0.10	35983.	1062.	10.82	0.0200	92.	55.	0.00
MILE	27.30	794.23	-3976.	-0.11	37331.	1062.	11.21	0.0230	125.	57.	0.00
MILE	25.20	794.24	-4260.	-0.09	46237.	1061.	12.03	0.0230	139.	60.	0.00
MILE	23.10	794.27	-4651.	-0.12	38087.	1093.	11.47	0.0230	139.	64.	0.00

0DATE 5-06-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.94	6690.	3.95	1693.	334.	3.25	0.0290	134.	7.	0.31
MILE	77.70	821.34	6820.	2.89	2364.	317.	3.69	0.0400	134.	11.	0.19
MILE	75.60	815.51	6950.	3.00	2315.	283.	4.06	0.0400	134.	9.	0.19
MILE	73.50	811.42	7081.	3.03	2338.	237.	4.03	0.0330	134.	12.	0.17
MILE	71.40	809.28	7216.	2.38	3027.	298.	3.79	0.0400	134.	11.	0.13
MILE	69.30	805.64	7361.	2.80	2630.	355.	3.26	0.0340	134.	7.	0.18
MILE	67.20	800.76	7512.	2.63	2860.	416.	3.07	0.0340	135.	10.	0.18
MILE	65.10	796.67	7591.	2.51	3025.	429.	3.87	0.0320	135.	10.	0.17
MILE	63.00	795.82	7410.	1.82	4074.	394.	4.97	0.0400	135.	15.	0.10
MILE	60.90	795.02	7304.	1.48	4949.	368.	5.96	0.0450	135.	19.	0.07
MILE	58.80	794.61	5344.	0.89	5972.	361.	6.21	0.0400	-1874.	22.	0.04
MILE	57.00	794.58	5327.	0.81	6616.	404.	6.14	0.0200	122.	20.	0.04
MILE	55.00	794.55	5254.	0.79	6682.	467.	6.58	0.0200	126.	21.	0.04
MILE	53.10	794.51	5207.	0.56	9230.	575.	6.09	0.0200	129.	21.	0.02
MILE	51.00	794.48	5051.	0.51	9882.	933.	6.18	0.0200	155.	25.	0.03
MILE	48.30	794.47	3811.	0.28	13538.	1646.	4.90	0.0200	155.	26.	0.02
MILE	46.20	794.46	2444.	0.15	15946.	1842.	6.81	0.0200	135.	33.	0.01
MILE	44.10	794.45	1321.	0.05	28154.	1530.	8.12	0.0300	80.	39.	0.00
MILE	43.70	794.45	1132.	0.08	14540.	1384.	8.20	0.0300	68.	41.	0.00
MILE	42.00	794.45	282.	0.01	19290.	1351.	6.16	0.0300	148.	44.	0.00
MILE	39.10	794.44	-938.	-0.05	18444.	1373.	7.90	0.0230	161.	43.	0.00
MILE	37.00	794.42	-857.	-0.03	32494.	1136.	7.36	0.0280	100.	43.	0.00
MILE	36.00	794.41	-910.	-0.05	20042.	914.	8.38	0.0280	77.	45.	0.00
MILE	34.60	794.41	-1130.	-0.04	30390.	1243.	9.68	0.0280	77.	46.	0.00
MILE	33.60	794.40	-1318.	-0.02	62992.	2170.	8.18	0.0290	100.	52.	0.00
MILE	31.50	794.39	-1638.	-0.05	30805.	1780.	10.43	0.0250	113.	56.	0.00
MILE	30.10	794.38	-1976.	-0.06	32464.	895.	9.98	0.0200	80.	54.	0.00
MILE	29.00	794.37	-2091.	-0.06	36126.	1067.	10.84	0.0200	90.	55.	0.00
MILE	27.30	794.36	-2109.	-0.06	37456.	1067.	11.23	0.0230	122.	57.	0.00
MILE	25.20	794.33	-2004.	-0.04	46332.	1064.	12.05	0.0230	135.	60.	0.00
MILE	23.10	794.31	-2077.	-0.05	38125.	1094.	11.47	0.0230	135.	64.	0.00

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TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.94	6691.	3.95	1695.	334.	3.25	0.0290	135.	7.	0.31
MILE	77.70	821.34	6826.	2.89	2365.	317.	3.69	0.0400	135.	11.	0.19
MILE	75.60	815.52	6962.	3.01	2316.	283.	4.07	0.0400	135.	9.	0.19
MILE	73.50	811.43	7103.	3.03	2341.	237.	4.04	0.0330	135.	12.	0.17
MILE	71.40	809.29	7248.	2.39	3033.	299.	3.80	0.0400	135.	11.	0.13

MILE	69.30	805.66	7392.	2.80	2638.	355.	3.26	0.0340	135.	7.	0.18
MILE	67.20	800.79	7522.	2.62	2874.	416.	3.08	0.0340	138.	10.	0.18
MILE	65.10	796.79	7602.	2.47	3074.	434.	3.91	0.0320	138.	10.	0.16
MILE	63.00	795.94	7609.	1.85	4117.	400.	5.00	0.0400	138.	15.	0.10
MILE	60.90	795.13	7548.	1.51	4985.	372.	5.98	0.0450	138.	19.	0.07
MILE	58.80	794.73	5356.	0.89	6018.	363.	6.23	0.0400	-1872.	22.	0.04
MILE	57.00	794.71	5270.	0.79	6671.	406.	6.17	0.0200	125.	20.	0.03
MILE	55.00	794.69	5206.	0.77	6736.	469.	6.60	0.0200	128.	21.	0.04
MILE	53.10	794.68	5069.	0.54	9334.	578.	6.12	0.0200	132.	21.	0.02
MILE	51.00	794.67	4779.	0.48	9983.	939.	6.21	0.0200	158.	25.	0.03
MILE	48.30	794.64	4716.	0.34	13741.	1656.	4.90	0.0200	158.	26.	0.02
MILE	46.20	794.62	4926.	0.31	16089.	1852.	6.84	0.0200	138.	33.	0.02
MILE	44.10	794.60	4766.	0.17	28325.	1537.	8.14	0.0300	82.	39.	0.01
MILE	43.70	794.59	4752.	0.33	14615.	1391.	8.19	0.0300	69.	42.	0.02
MILE	42.00	794.56	4779.	0.25	19426.	1356.	6.16	0.0300	151.	45.	0.01
MILE	39.10	794.50	5251.	0.28	18495.	1376.	7.90	0.0230	164.	44.	0.01
MILE	37.00	794.48	5294.	0.16	32585.	1138.	7.37	0.0280	102.	43.	0.01
MILE	36.00	794.46	5211.	0.26	20083.	915.	8.38	0.0280	79.	45.	0.01
MILE	34.60	794.45	5025.	0.17	30432.	1245.	9.69	0.0280	79.	46.	0.01
MILE	33.60	794.44	4978.	0.08	63100.	2173.	8.19	0.0290	102.	52.	0.00
MILE	31.50	794.42	5158.	0.17	30840.	1782.	10.43	0.0250	115.	56.	0.01
MILE	30.10	794.41	4994.	0.15	32503.	896.	9.98	0.0200	82.	54.	0.00
MILE	29.00	794.41	4955.	0.14	36160.	1069.	10.84	0.0200	92.	55.	0.00
MILE	27.30	794.39	5055.	0.13	37485.	1068.	11.23	0.0230	125.	57.	0.00
MILE	25.20	794.37	5379.	0.12	46379.	1065.	12.05	0.0230	138.	60.	0.00
MILE	23.10	794.36	5328.	0.14	38172.	1096.	11.48	0.0230	138.	64.	0.00

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TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.93	6692.	3.96	1691.	334.	3.25	0.0290	137.	7.	0.31
MILE	77.70	821.35	6837.	2.89	2367.	317.	3.69	0.0400	137.	11.	0.19
MILE	75.60	815.53	6983.	3.01	2321.	284.	4.07	0.0400	137.	9.	0.19
MILE	73.50	811.45	7125.	3.04	2346.	237.	4.04	0.0330	137.	12.	0.17
MILE	71.40	809.31	7265.	2.39	3039.	299.	3.80	0.0400	137.	12.	0.13
MILE	69.30	805.67	7400.	2.80	2642.	355.	3.26	0.0340	137.	7.	0.18
MILE	67.20	800.80	7530.	2.61	2883.	417.	3.08	0.0340	141.	10.	0.18
MILE	65.10	796.89	7612.	2.44	3113.	439.	3.94	0.0320	141.	10.	0.16
MILE	63.00	796.07	7594.	1.82	4165.	407.	5.03	0.0400	141.	15.	0.10
MILE	60.90	795.26	7657.	1.52	5031.	378.	6.01	0.0450	141.	19.	0.07
MILE	58.80	794.81	5928.	0.98	6046.	364.	6.24	0.0400	-1869.	22.	0.04
MILE	57.00	794.77	6132.	0.92	6696.	407.	6.18	0.0200	128.	20.	0.04
MILE	55.00	794.72	6310.	0.94	6747.	470.	6.60	0.0200	131.	21.	0.04
MILE	53.10	794.68	6543.	0.70	9332.	578.	6.12	0.0200	134.	21.	0.03
MILE	51.00	794.63	6980.	0.70	9960.	937.	6.20	0.0200	161.	25.	0.04
MILE	48.30	794.58	7662.	0.56	13678.	1653.	4.90	0.0200	161.	26.	0.03

MILE	46.20	794.57	7809.	0.49	16046.	1849.	6.83	0.0200	141.	33.	0.03
MILE	44.10	794.55	8390.	0.30	28274.	1535.	8.13	0.0300	84.	39.	0.01
MILE	43.70	794.55	8490.	0.58	14590.	1389.	8.20	0.0300	71.	42.	0.03
MILE	42.00	794.52	8919.	0.46	19370.	1354.	6.16	0.0300	154.	45.	0.02
MILE	39.10	794.46	9710.	0.53	18460.	1374.	7.90	0.0230	168.	43.	0.03
MILE	37.00	794.44	10463.	0.32	32530.	1137.	7.36	0.0280	104.	43.	0.01
MILE	36.00	794.42	10762.	0.54	20051..	914.	8.38	0.0280	81.	45.	0.02
MILE	34.60	794.40	11187.	0.37	30387.	1243.	9.68	0.0280	81.	46.	0.01
MILE	33.60	794.40	11615.	0.18	62979.	2170.	8.18	0.0290	104.	51.	0.01
MILE	31.50	794.38	12658.	0.41	30803.	1780.	10.42	0.0250	118.	56.	0.02
MILE	30.10	794.36	13121.	0.40	32447.	894.	9.97	0.0200	84.	54.	0.01
MILE	29.00	794.35	13409.	0.37	36103.	1067.	10.83	0.0200	94.	55.	0.01
MILE	27.30	794.34	13878.	0.37	37433.	1066.	11.22	0.0230	128.	57.	0.01
MILE	25.20	794.32	14304.	0.31	46318.	1063.	12.04	0.0230	141.	60.	0.01
MILE	23.10	794.30	14599.	0.38	38115.	1094.	11.47	0.0230	141.	64.	0.01

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.92	6693.	3.97	1687.	334.	3.24	0.0290	156.	7.	0.31
MILE	77.70	821.36	6848.	2.89	2370.	317.	3.69	0.0400	156.	11.	0.19
MILE	75.60	815.55	6999.	3.01	2325.	284.	4.07	0.0400	156.	9.	0.19
MILE	73.50	811.47	7144.	3.04	2352.	238.	4.04	0.0330	156.	12.	0.17
MILE	71.40	809.32	7285.	2.39	3046.	299.	3.81	0.0400	156.	12.	0.13
MILE	69.30	805.68	7420.	2.80	2648.	356.	3.27	0.0340	156.	7.	0.18
MILE	67.20	800.83	7549.	2.61	2894.	418.	3.09	0.0340	167.	10.	0.17
MILE	65.10	796.93	7664.	2.45	3131.	441.	3.95	0.0320	168.	10.	0.16
MILE	63.00	796.06	7839.	1.88	4164.	407.	5.03	0.0400	168.	15.	0.10
MILE	60.90	795.17	8097.	1.62	5000.	374.	5.99	0.0450	168.	19.	0.08
MILE	58.80	794.67	6336.	1.06	5994.	362.	6.22	0.0400	-1844.	22.	0.05
MILE	57.00	794.63	6567.	0.99	6636.	405.	6.15	0.0200	152.	20.	0.04
MILE	55.00	794.58	6903.	1.03	6695.	467.	6.58	0.0200	156.	21.	0.05
MILE	53.10	794.55	7292.	0.79	9252.	575.	6.10	0.0200	160.	21.	0.03
MILE	51.00	794.51	7846.	0.79	9900.	934.	6.18	0.0200	192.	25.	0.04
MILE	48.30	794.46	8976.	0.66	13532.	1646.	4.90	0.0200	192.	26.	0.04
MILE	46.20	794.43	10395.	0.65	15921.	1841.	6.80	0.0200	168.	33.	0.04
MILE	44.10	794.42	11457.	0.41	28109.	1528.	8.11	0.0300	100.	39.	0.02
MILE	43.70	794.41	11615.	0.80	14514.	1382.	8.20	0.0300	84.	41.	0.04
MILE	42.00	794.37	12178.	0.63	19187.	1347.	6.16	0.0300	184.	44.	0.03
MILE	39.10	794.32	12901.	0.70	18341.	1367.	7.89	0.0230	200.	43.	0.03
MILE	37.00	794.32	12953.	0.40	32331.	1132.	7.34	0.0280	124.	43.	0.01
MILE	36.00	794.31	13030.	0.65	19960.	911.	8.37	0.0280	96.	45.	0.02
MILE	34.60	794.31	13153.	0.43	30299.	1239.	9.67	0.0280	96.	46.	0.02
MILE	33.60	794.32	13135.	0.21	62771.	2164.	8.17	0.0290	124.	51.	0.01
MILE	31.50	794.32	12904.	0.42	30748.	1776.	10.42	0.0250	140.	56.	0.02
MILE	30.10	794.32	13047.	0.40	32406.	893.	9.97	0.0200	100.	54.	0.01

MILE	29.00	794.33	13066.	0.36	36079.	1066.	10.83	0.0200	112.	55.	0.01
MILE	27.30	794.34	12880.	0.34	37433.	1066.	11.22	0.0230	152.	57.	0.01
MILE	25.20	794.36	12611.	0.27	46360.	1065.	12.05	0.0230	168.	60.	0.01
MILE	23.10	794.36	12648.	0.33	38172.	1096.	11.48	0.0230	168.	64.	0.01

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6695.	3.97	1686.	334.	3.24	0.0290	174.	7.	0.31
MILE	77.70	821.37	6863.	2.89	2374.	318.	3.70	0.0400	174.	11.	0.19
MILE	75.60	815.57	7022.	3.01	2332.	285.	4.08	0.0400	174.	9.	0.19
MILE	73.50	811.49	7171.	3.04	2359.	238.	4.05	0.0330	174.	12.	0.17
MILE	71.40	809.35	7315.	2.39	3055.	300.	3.81	0.0400	174.	12.	0.13
MILE	69.30	805.70	7454.	2.81	2656.	356.	3.28	0.0340	174.	7.	0.18
MILE	67.20	800.85	7595.	2.61	2906.	418.	3.10	0.0340	193.	10.	0.17
MILE	65.10	796.93	7745.	2.47	3130.	441.	3.95	0.0320	195.	10.	0.16
MILE	63.00	796.02	7973.	1.92	4150.	405.	5.02	0.0400	195.	15.	0.11
MILE	60.90	795.06	8298.	1.67	4963.	370.	5.97	0.0450	195.	19.	0.08
MILE	58.80	794.50	6733.	1.14	5929.	360.	6.20	0.0400	-1819.	21.	0.05
MILE	57.00	794.45	7107.	1.08	6559.	402.	6.11	0.0200	177.	20.	0.05
MILE	55.00	794.40	7509.	1.13	6625.	465.	6.56	0.0200	181.	21.	0.05
MILE	53.10	794.37	7870.	0.86	9142.	572.	6.06	0.0200	186.	21.	0.04
MILE	51.00	794.34	8278.	0.84	9813.	928.	6.16	0.0200	223.	25.	0.05
MILE	48.30	794.33	8696.	0.65	13379.	1639.	4.90	0.0200	223.	25.	0.04
MILE	46.20	794.33	8916.	0.56	15835.	1834.	6.79	0.0200	195.	33.	0.03
MILE	44.10	794.34	9118.	0.33	28022.	1524.	8.10	0.0300	116.	39.	0.01
MILE	43.70	794.34	9154.	0.63	14480.	1379.	8.21	0.0300	98.	41.	0.03
MILE	42.00	794.34	9266.	0.48	19151.	1346.	6.16	0.0300	214.	44.	0.02
MILE	39.10	794.33	9606.	0.52	18356.	1368.	7.89	0.0230	232.	43.	0.03
MILE	37.00	794.33	10126.	0.31	32356.	1132.	7.34	0.0280	144.	43.	0.01
MILE	36.00	794.33	10416.	0.52	19973.	911.	8.37	0.0280	112.	45.	0.02
MILE	34.60	794.33	10857.	0.36	30310.	1240.	9.67	0.0280	112.	46.	0.01
MILE	33.60	794.33	11124.	0.18	62795.	2165.	8.17	0.0290	144.	51.	0.01
MILE	31.50	794.33	11434.	0.37	30753.	1776.	10.42	0.0250	163.	56.	0.02
MILE	30.10	794.33	11719.	0.36	32409.	893.	9.97	0.0200	116.	54.	0.01
MILE	29.00	794.33	11962.	0.33	36079.	1066.	10.83	0.0200	130.	55.	0.01
MILE	27.30	794.33	12404.	0.33	37424.	1066.	11.22	0.0230	177.	57.	0.01
MILE	25.20	794.32	12790.	0.28	46320.	1064.	12.04	0.0230	195.	60.	0.01
MILE	23.10	794.31	13229.	0.35	38125.	1094.	11.47	0.0230	195.	64.	0.01

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	823.21	3011.	3.35	900.	285.	2.41	0.0290	209.	5.	0.33
MILE	77.70	819.55	3864.	2.20	1760.	262.	3.12	0.0400	209.	9.	0.15
MILE	75.60	814.79	5357.	2.55	2104.	265.	3.86	0.0400	209.	8.	0.16
MILE	73.50	811.25	6462.	2.83	2287.	233.	3.99	0.0330	209.	12.	0.16
MILE	71.40	809.28	7083.	2.34	3028.	298.	3.79	0.0400	209.	11.	0.13
MILE	69.30	805.71	7447.	2.80	2661.	356.	3.28	0.0340	209.	7.	0.18
MILE	67.20	800.88	7664.	2.62	2923.	419.	3.11	0.0340	230.	10.	0.17
MILE	65.10	796.91	7851.	2.51	3125.	440.	3.95	0.0320	232.	10.	0.17
MILE	63.00	795.98	8094.	1.96	4133.	402.	5.01	0.0400	232.	15.	0.11
MILE	60.90	795.00	8313.	1.68	4941.	367.	5.95	0.0450	232.	18.	0.08
MILE	58.80	794.47	6446.	1.09	5918.	360.	6.19	0.0400	-1784.	21.	0.05
MILE	57.00	794.44	6542.	1.00	6554.	402.	6.11	0.0200	210.	20.	0.04
MILE	55.00	794.40	6646.	1.00	6627.	465.	6.56	0.0200	216.	21.	0.05
MILE	53.10	794.38	6752.	0.74	9152.	572.	6.07	0.0200	221.	21.	0.03
MILE	51.00	794.36	6902.	0.70	9823.	929.	6.16	0.0200	266.	25.	0.04
MILE	48.30	794.33	7406.	0.55	13381.	1639.	4.90	0.0200	266.	25.	0.03
MILE	46.20	794.32	7796.	0.49	15825.	1834.	6.79	0.0200	232.	33.	0.03
MILE	44.10	794.32	8201.	0.29	27987.	1523.	8.09	0.0300	138.	39.	0.01
MILE	43.70	794.31	8281.	0.57	14463.	1378.	8.21	0.0300	116.	41.	0.03
MILE	42.00	794.29	8668.	0.45	19088.	1343.	6.16	0.0300	255.	44.	0.02
MILE	39.10	794.27	9143.	0.50	18303.	1365.	7.88	0.0230	277.	43.	0.02
MILE	37.00	794.28	9004.	0.28	32273.	1130.	7.33	0.0280	172.	43.	0.01
MILE	36.00	794.28	8951.	0.45	19937.	910.	8.37	0.0280	133.	45.	0.02
MILE	34.60	794.29	8899.	0.29	30275.	1238.	9.67	0.0280	133.	46.	0.01
MILE	33.60	794.29	8898.	0.14	62702.	2162.	8.16	0.0290	172.	51.	0.00
MILE	31.50	794.29	9041.	0.29	30721.	1774.	10.41	0.0250	194.	55.	0.01
MILE	30.10	794.30	9124.	0.28	32383.	892.	9.96	0.0200	138.	54.	0.01
MILE	29.00	794.31	9175.	0.25	36059.	1065.	10.83	0.0200	155.	55.	0.01
MILE	27.30	794.31	9221.	0.25	37407.	1065.	11.22	0.0230	210.	57.	0.01
MILE	25.20	794.32	9320.	0.20	46320.	1064.	12.04	0.0230	232.	60.	0.01
MILE	23.10	794.34	9293.	0.24	38153.	1096.	11.48	0.0230	232.	64.	0.01

0DATE 5-06-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.20	2000.	3.12	641.	264.	2.06	0.0290	243.	3.	0.35
MILE	77.70	817.99	2583.	2.01	1286.	215.	2.75	0.0400	243.	7.	0.14
MILE	75.60	813.29	3614.	2.14	1690.	227.	3.39	0.0400	243.	7.	0.14
MILE	73.50	810.27	4783.	2.39	2006.	213.	3.74	0.0330	243.	11.	0.14
MILE	71.40	808.65	5767.	2.08	2769.	286.	3.59	0.0400	243.	11.	0.12
MILE	69.30	805.41	6632.	2.63	2523.	352.	3.18	0.0340	243.	7.	0.17
MILE	67.20	800.79	7328.	2.55	2875.	417.	3.08	0.0340	266.	10.	0.17
MILE	65.10	796.94	7793.	2.49	3134.	441.	3.95	0.0320	270.	10.	0.16

MILE	63.00	796.03	8046.	1.94	4153.	405.	5.02	0.0400	270.	15.	0.11
MILE	60.90	795.07	8281.	1.67	4967.	370.	5.97	0.0450	270.	19.	0.08
MILE	58.80	794.53	6570.	1.11	5939.	360.	6.20	0.0400	-1750.	21.	0.05
MILE	57.00	794.48	6810.	1.04	6572.	403.	6.12	0.0200	244.	20.	0.05
MILE	55.00	794.43	7063.	1.06	6637.	465.	6.56	0.0200	250.	21.	0.05
MILE	53.10	794.40	7301.	0.80	9160.	572.	6.07	0.0200	257.	21.	0.04
MILE	51.00	794.37	7511.	0.76	9825.	929.	6.16	0.0200	308.	25.	0.04
MILE	48.30	794.35	7352.	0.55	13404.	1640.	4.90	0.0200	308.	25.	0.03
MILE	46.20	794.35	7089.	0.45	15851.	1836.	6.79	0.0200	270.	33.	0.03
MILE	44.10	794.35	6935.	0.25	28034.	1525.	8.10	0.0300	160.	39.	0.01
MILE	43.70	794.35	6906.	0.48	14486.	1380.	8.21	0.0300	135.	41.	0.03
MILE	42.00	794.36	6688.	0.35	19167.	1346.	6.16	0.0300	295.	44.	0.02
MILE	39.10	794.37	6063.	0.33	18386.	1370.	7.89	0.0230	321.	43.	0.02
MILE	37.00	794.38	6164.	0.19	32423.	1134.	7.35	0.0280	199.	43.	0.01
MILE	36.00	794.38	6144.	0.31	20014.	913.	8.37	0.0280	154.	45.	0.01
MILE	34.60	794.39	6006.	0.20	30371.	1242.	9.68	0.0280	154.	46.	0.01
MILE	33.60	794.39	5875.	0.09	62961.	2170.	8.18	0.0290	199.	51.	0.00
MILE	31.50	794.39	5637.	0.18	30809.	1780.	10.43	0.0250	225.	56.	0.01
MILE	30.10	794.40	5321.	0.16	32485.	895.	9.98	0.0200	160.	54.	0.00
MILE	29.00	794.41	5215.	0.14	36159.	1069.	10.84	0.0200	180.	55.	0.00
MILE	27.30	794.41	5177.	0.14	37507.	1069.	11.23	0.0230	244.	57.	0.00
MILE	25.20	794.41	5282.	0.11	46418.	1067.	12.06	0.0230	270.	60.	0.00
MILE	23.10	794.41	5322.	0.14	38220.	1098.	11.49	0.0230	270.	64.	0.00

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TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.49	2000.	2.80	713.	270.	2.17	0.0290	268.	4.	0.30
MILE	77.70	817.34	2254.	2.03	1108.	195.	2.59	0.0400	268.	7.	0.15
MILE	75.60	812.16	2740.	1.98	1382.	198.	3.00	0.0400	268.	6.	0.13
MILE	73.50	809.24	3579.	2.08	1722.	192.	3.46	0.0330	268.	10.	0.12
MILE	71.40	807.82	4455.	1.83	2428.	271.	3.32	0.0400	268.	10.	0.11
MILE	69.30	804.81	5371.	2.40	2243.	341.	2.98	0.0340	268.	6.	0.16
MILE	67.20	800.38	6287.	2.37	2653.	404.	2.93	0.0340	289.	10.	0.16
MILE	65.10	796.79	7161.	2.33	3074.	434.	3.91	0.0320	292.	10.	0.15
MILE	63.00	795.97	7751.	1.88	4128.	402.	5.01	0.0400	292.	15.	0.10
MILE	60.90	795.07	8116.	1.63	4964.	370.	5.97	0.0450	292.	19.	0.08
MILE	58.80	794.57	6305.	1.06	5956.	361.	6.21	0.0400	-1729.	21.	0.05
MILE	57.00	794.54	6448.	0.98	6599.	404.	6.13	0.0200	264.	20.	0.04
MILE	55.00	794.51	6584.	0.99	6668.	466.	6.57	0.0200	271.	21.	0.05
MILE	53.10	794.50	6626.	0.72	9224.	574.	6.09	0.0200	278.	21.	0.03
MILE	51.00	794.50	6487.	0.66	9892.	933.	6.18	0.0200	333.	25.	0.04
MILE	48.30	794.49	6048.	0.45	13569.	1648.	4.90	0.0200	333.	26.	0.03
MILE	46.20	794.49	5678.	0.36	15975.	1844.	6.81	0.0200	292.	33.	0.02
MILE	44.10	794.49	5117.	0.18	28201.	1532.	8.12	0.0300	174.	39.	0.01
MILE	43.70	794.49	5053.	0.35	14561.	1386.	8.20	0.0300	146.	41.	0.02

MILE	42.00	794.49	4924.	0.25	19334.	1353.	6.16	0.0300	319.	44.	0.01
MILE	39.10	794.47	4999.	0.27	18471.	1375.	7.90	0.0230	347.	43.	0.01
MILE	37.00	794.47	4900.	0.15	32582.	1138.	7.37	0.0280	215.	43.	0.00
MILE	36.00	794.47	4868.	0.24	20090.	916.	8.38	0.0280	167.	45.	0.01
MILE	34.60	794.47	4828.	0.16	30454.	1246.	9.69	0.0280	167.	46.	0.01
MILE	33.60	794.47	4794.	0.08	63175.	2175.	8.20	0.0290	215.	52.	0.00
MILE	31.50	794.47	4799.	0.16	30880.	1785.	10.44	0.0250	243.	56.	0.01
MILE	30.10	794.47	4833.	0.15	32557.	897.	9.99	0.0200	174.	54.	0.00
MILE	29.00	794.46	4899.	0.14	36218.	1071.	10.85	0.0200	194.	55.	0.00
MILE	27.30	794.46	5041.	0.13	37556.	1071.	11.24	0.0230	264.	57.	0.00
MILE	25.20	794.46	5333.	0.11	46474.	1069.	12.06	0.0230	292.	60.	0.00
MILE	23.10	794.46	5452.	0.14	38268.	1100.	11.50	0.0230	292.	64.	0.00

0DATE 5-06-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.67	2000.	2.64	757.	274.	2.23	0.0290	293.	4.	0.28
MILE	77.70	817.28	2250.	2.06	1091.	193.	2.57	0.0400	293.	7.	0.15
MILE	75.60	811.70	2524.	2.00	1260.	186.	2.83	0.0400	293.	5.	0.14
MILE	73.50	808.55	3030.	1.97	1542.	179.	3.25	0.0330	293.	9.	0.12
MILE	71.40	807.16	3639.	1.68	2162.	258.	3.09	0.0400	293.	9.	0.10
MILE	69.30	804.21	4366.	2.23	1953.	321.	2.79	0.0340	293.	6.	0.16
MILE	67.20	799.86	5230.	2.22	2360.	386.	2.76	0.0340	311.	9.	0.16
MILE	65.10	796.47	6194.	2.10	2945.	420.	3.81	0.0320	314.	9.	0.14
MILE	63.00	795.80	6893.	1.69	4068.	394.	4.97	0.0400	314.	15.	0.09
MILE	60.90	795.10	7302.	1.47	4974.	371.	5.97	0.0450	314.	19.	0.07
MILE	58.80	794.71	5561.	0.93	6008.	362.	6.22	0.0400	-1709.	22.	0.04
MILE	57.00	794.69	5731.	0.86	6662.	406.	6.16	0.0200	284.	20.	0.04
MILE	55.00	794.66	5879.	0.87	6727.	469.	6.59	0.0200	291.	21.	0.04
MILE	53.10	794.65	6019.	0.65	9313.	577.	6.11	0.0200	299.	21.	0.03
MILE	51.00	794.63	6169.	0.62	9958.	937.	6.20	0.0200	359.	25.	0.03
MILE	48.30	794.60	6241.	0.46	13698.	1654.	4.90	0.0200	359.	26.	0.03
MILE	46.20	794.60	5896.	0.37	16072.	1851.	6.83	0.0200	314.	33.	0.02
MILE	44.10	794.59	5890.	0.21	28316.	1537.	8.14	0.0300	187.	39.	0.01
MILE	43.70	794.58	5897.	0.40	14611.	1390.	8.19	0.0300	157.	42.	0.02
MILE	42.00	794.57	5911.	0.30	19436.	1356.	6.16	0.0300	344.	45.	0.01
MILE	39.10	794.56	5697.	0.31	18541.	1378.	7.91	0.0230	374.	44.	0.01
MILE	37.00	794.56	5651.	0.17	32715.	1141.	7.39	0.0280	232.	43.	0.01
MILE	36.00	794.55	5698.	0.28	20155.	918.	8.39	0.0280	179.	46.	0.01
MILE	34.60	794.55	5784.	0.19	30530.	1249.	9.70	0.0280	179.	46.	0.01
MILE	33.60	794.54	5740.	0.09	63379.	2181.	8.21	0.0290	232.	52.	0.00
MILE	31.50	794.54	5482.	0.18	30950.	1790.	10.45	0.0250	262.	56.	0.01
MILE	30.10	794.54	5561.	0.17	32631.	900.	10.01	0.0200	187.	54.	0.00
MILE	29.00	794.53	5620.	0.15	36287.	1073.	10.86	0.0200	209.	55.	0.00
MILE	27.30	794.53	5600.	0.15	37628.	1073.	11.25	0.0230	284.	57.	0.00
MILE	25.20	794.54	5503.	0.12	46557.	1071.	12.07	0.0230	314.	60.	0.00

MILE 23.10 794.53 5635. 0.15 38334. 1103. 11.51 0.0230 314. 65. 0.00

0DATE 5-06-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.75	2000.	2.57	779.	276.	2.26	0.0290	284.	4.	0.27
MILE	77.70	817.29	2261.	2.07	1095.	194.	2.58	0.0400	284.	7.	0.15
MILE	75.60	811.62	2529.	2.05	1236.	184.	2.80	0.0400	284.	5.	0.14
MILE	73.50	808.26	2874.	1.96	1465.	173.	3.17	0.0330	284.	9.	0.12
MILE	71.40	806.81	3297.	1.63	2022.	251.	2.97	0.0400	284.	9.	0.10
MILE	69.30	803.82	3822.	2.16	1769.	308.	2.67	0.0340	284.	5.	0.16
MILE	67.20	799.38	4482.	2.15	2084.	364.	2.67	0.0340	293.	9.	0.16
MILE	65.10	796.12	5316.	1.89	2807.	404.	3.70	0.0320	294.	9.	0.13
MILE	63.00	795.58	6019.	1.51	3988.	383.	4.92	0.0400	294.	15.	0.08
MILE	60.90	795.02	6542.	1.32	4948.	368.	5.95	0.0450	294.	19.	0.06
MILE	58.80	794.71	4896.	0.81	6010.	363.	6.22	0.0400	-1727.	22.	0.04
MILE	57.00	794.70	5166.	0.77	6668.	406.	6.17	0.0200	266.	20.	0.03
MILE	55.00	794.68	5480.	0.81	6735.	469.	6.60	0.0200	273.	21.	0.04
MILE	53.10	794.68	5763.	0.62	9332.	578.	6.12	0.0200	280.	21.	0.03
MILE	51.00	794.67	6007.	0.60	9981.	939.	6.21	0.0200	336.	25.	0.03
MILE	48.30	794.67	6098.	0.44	13773.	1657.	4.90	0.0200	336.	26.	0.03
MILE	46.20	794.65	6340.	0.39	16124.	1855.	6.84	0.0200	294.	33.	0.02
MILE	44.10	794.66	6318.	0.22	28398.	1540.	8.15	0.0300	175.	39.	0.01
MILE	43.70	794.65	6320.	0.43	14649.	1394.	8.19	0.0300	147.	42.	0.02
MILE	42.00	794.65	6332.	0.32	19537.	1360.	6.16	0.0300	322.	45.	0.02
MILE	39.10	794.63	6448.	0.35	18604.	1382.	7.92	0.0230	350.	44.	0.02
MILE	37.00	794.63	6370.	0.19	32835.	1144.	7.41	0.0280	217.	43.	0.01
MILE	36.00	794.63	6449.	0.32	20216.	920.	8.40	0.0280	168.	46.	0.01
MILE	34.60	794.63	6623.	0.22	30611.	1252.	9.71	0.0280	168.	46.	0.01
MILE	33.60	794.63	6591.	0.10	63600.	2187.	8.23	0.0290	217.	52.	0.00
MILE	31.50	794.63	6191.	0.20	31025.	1795.	10.46	0.0250	245.	56.	0.01
MILE	30.10	794.62	6276.	0.19	32722.	902.	10.02	0.0200	175.	54.	0.01
MILE	29.00	794.62	6336.	0.17	36376.	1076.	10.88	0.0200	196.	55.	0.01
MILE	27.30	794.62	6300.	0.17	37715.	1076.	11.26	0.0230	266.	58.	0.00
MILE	25.20	794.63	6182.	0.13	46656.	1075.	12.09	0.0230	294.	60.	0.00
MILE	23.10	794.62	6270.	0.16	38420.	1106.	11.52	0.0230	294.	65.	0.00

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TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.78	2000.	2.54	786.	276.	2.27	0.0290	274.	4.	0.27

MILE	77.70	817.30	2272.	2.07	1098.	194.	2.58	0.0400	274.	7.	0.15
MILE	75.60	811.61	2548.	2.06	1234.	184.	2.80	0.0400	274.	5.	0.14
MILE	73.50	808.16	2846.	1.98	1439.	170.	3.13	0.0330	274.	9.	0.12
MILE	71.40	806.66	3181.	1.62	1963.	249.	2.91	0.0400	274.	9.	0.10
MILE	69.30	803.62	3574.	2.13	1680.	302.	2.60	0.0340	274.	5.	0.16
MILE	67.20	799.03	4030.	2.13	1891.	347.	2.59	0.0340	274.	8.	0.16
MILE	65.10	795.80	4690.	1.75	2680.	389.	3.60	0.0320	274.	9.	0.12
MILE	63.00	795.36	5292.	1.35	3906.	372.	4.87	0.0400	274.	14.	0.07
MILE	60.90	794.92	5726.	1.16	4915.	366.	5.93	0.0450	274.	18.	0.06
MILE	58.80	794.69	4060.	0.68	6002.	362.	6.22	0.0400	-1745.	22.	0.03
MILE	57.00	794.69	4324.	0.65	6662.	406.	6.16	0.0200	248.	20.	0.03
MILE	55.00	794.68	4594.	0.68	6734.	469.	6.60	0.0200	255.	21.	0.03
MILE	53.10	794.68	4822.	0.52	9336.	578.	6.12	0.0200	261.	21.	0.02
MILE	51.00	794.68	5058.	0.51	9988.	939.	6.21	0.0200	314.	25.	0.03
MILE	48.30	794.68	5380.	0.39	13793.	1658.	4.90	0.0200	314.	26.	0.02
MILE	46.20	794.69	5456.	0.34	16152.	1857.	6.85	0.0200	274.	33.	0.02
MILE	44.10	794.69	5635.	0.20	28438.	1542.	8.16	0.0300	163.	39.	0.01
MILE	43.70	794.69	5676.	0.39	14668.	1395.	8.19	0.0300	137.	42.	0.02
MILE	42.00	794.68	5878.	0.30	19580.	1361.	6.16	0.0300	301.	45.	0.01
MILE	39.10	794.67	6416.	0.34	18632.	1384.	7.92	0.0230	327.	44.	0.02
MILE	37.00	794.66	6918.	0.21	32882.	1145.	7.41	0.0280	203.	43.	0.01
MILE	36.00	794.65	7160.	0.35	20237.	921.	8.40	0.0280	157.	46.	0.01
MILE	34.60	794.65	7511.	0.25	30631.	1253.	9.71	0.0280	157.	46.	0.01
MILE	33.60	794.64	7754.	0.12	63646.	2188.	8.23	0.0290	203.	52.	0.00
MILE	31.50	794.64	8181.	0.26	31034.	1795.	10.46	0.0250	229.	56.	0.01
MILE	30.10	794.64	8471.	0.26	32734.	903.	10.02	0.0200	163.	54.	0.01
MILE	29.00	794.63	8703.	0.24	36387.	1077.	10.88	0.0200	183.	55.	0.01
MILE	27.30	794.63	9102.	0.24	37719.	1077.	11.27	0.0230	248.	58.	0.01
MILE	25.20	794.62	9492.	0.20	46645.	1074.	12.09	0.0230	274.	60.	0.01
MILE	23.10	794.61	9802.	0.26	38410.	1106.	11.52	0.0230	274.	65.	0.01

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TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.76	2000.	2.56	782.	276.	2.26	0.0290	265.	4.	0.27
MILE	77.70	817.31	2274.	2.07	1098.	194.	2.58	0.0400	265.	7.	0.15
MILE	75.60	811.60	2551.	2.07	1233.	184.	2.80	0.0400	265.	5.	0.14
MILE	73.50	808.12	2838.	1.99	1430.	170.	3.12	0.0330	265.	9.	0.12
MILE	71.40	806.60	3138.	1.62	1940.	247.	2.89	0.0400	265.	9.	0.10
MILE	69.30	803.53	3462.	2.11	1638.	299.	2.57	0.0340	265.	5.	0.16
MILE	67.20	798.84	3822.	2.13	1790.	338.	2.55	0.0340	265.	8.	0.16
MILE	65.10	795.60	4304.	1.66	2599.	380.	3.54	0.0320	265.	9.	0.11
MILE	63.00	795.22	4737.	1.23	3857.	365.	4.84	0.0400	265.	14.	0.07
MILE	60.90	794.88	5074.	1.04	4900.	366.	5.92	0.0450	265.	18.	0.05
MILE	58.80	794.71	3327.	0.55	6007.	362.	6.22	0.0400	-1754.	22.	0.02
MILE	57.00	794.71	3527.	0.53	6669.	406.	6.17	0.0200	239.	20.	0.02

MILE	55.00	794.70	3765.	0.56	6740.	469.	6.60	0.0200	246.	21.	0.03
MILE	53.10	794.69	4042.	0.43	9341.	578.	6.12	0.0200	252.	21.	0.02
MILE	51.00	794.68	4452.	0.45	9985.	939.	6.21	0.0200	302.	25.	0.02
MILE	48.30	794.66	5247.	0.38	13766.	1657.	4.90	0.0200	302.	26.	0.02
MILE	46.20	794.65	5858.	0.36	16121.	1854.	6.84	0.0200	265.	33.	0.02
MILE	44.10	794.65	6452.	0.23	28386.	1540.	8.15	0.0300	157.	39.	0.01
MILE	43.70	794.64	6556.	0.45	14643.	1393.	8.19	0.0300	132.	42.	0.02
MILE	42.00	794.63	7002.	0.36	19511.	1359.	6.16	0.0300	290.	45.	0.02
MILE	39.10	794.61	7714.	0.42	18580.	1381.	7.91	0.0230	315.	44.	0.02
MILE	37.00	794.60	8098.	0.25	32789.	1143.	7.40	0.0280	195.	43.	0.01
MILE	36.00	794.60	8191.	0.41	20194.	920.	8.39	0.0280	151.	46.	0.02
MILE	34.60	794.60	8273.	0.27	30585.	1251.	9.71	0.0280	151.	46.	0.01
MILE	33.60	794.60	8452.	0.13	63528.	2185.	8.22	0.0290	195.	52.	0.00
MILE	31.50	794.59	9115.	0.29	30993.	1792.	10.45	0.0250	220.	56.	0.01
MILE	30.10	794.60	9284.	0.28	32691.	901.	10.02	0.0200	157.	54.	0.01
MILE	29.00	794.60	9421.	0.26	36351.	1075.	10.87	0.0200	176.	55.	0.01
MILE	27.30	794.60	9694.	0.26	37688.	1075.	11.26	0.0230	239.	57.	0.01
MILE	25.20	794.59	10065.	0.22	46619.	1073.	12.08	0.0230	265.	60.	0.01
MILE	23.10	794.60	10220.	0.27	38401.	1105.	11.52	0.0230	265.	65.	0.01

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TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.74	2000.	2.58	776.	275.	2.26	0.0290	255.	4.	0.27
MILE	77.70	817.29	2267.	2.07	1094.	194.	2.58	0.0400	255.	7.	0.15
MILE	75.60	811.59	2539.	2.07	1228.	183.	2.79	0.0400	255.	5.	0.14
MILE	73.50	808.10	2822.	1.98	1423.	169.	3.12	0.0330	255.	9.	0.12
MILE	71.40	806.57	3111.	1.61	1927.	247.	2.88	0.0400	255.	9.	0.10
MILE	69.30	803.48	3412.	2.11	1619.	298.	2.56	0.0340	255.	5.	0.16
MILE	67.20	798.75	3725.	2.14	1743.	334.	2.53	0.0340	255.	8.	0.16
MILE	65.10	795.50	4090.	1.60	2560.	375.	3.51	0.0320	255.	8.	0.11
MILE	63.00	795.14	4477.	1.17	3829.	361.	4.82	0.0400	255.	14.	0.06
MILE	60.90	794.81	4885.	1.00	4878.	365.	5.91	0.0450	255.	18.	0.05
MILE	58.80	794.64	3281.	0.55	5981.	362.	6.21	0.0400	-1764.	22.	0.02
MILE	57.00	794.63	3600.	0.54	6636.	405.	6.15	0.0200	230.	20.	0.02
MILE	55.00	794.62	3962.	0.59	6709.	468.	6.59	0.0200	236.	21.	0.03
MILE	53.10	794.61	4322.	0.47	9291.	576.	6.11	0.0200	243.	21.	0.02
MILE	51.00	794.60	4756.	0.48	9946.	937.	6.20	0.0200	291.	25.	0.03
MILE	48.30	794.60	5299.	0.39	13690.	1654.	4.90	0.0200	291.	26.	0.02
MILE	46.20	794.59	5836.	0.36	16068.	1851.	6.83	0.0200	255.	33.	0.02
MILE	44.10	794.59	6319.	0.22	28324.	1537.	8.14	0.0300	152.	39.	0.01
MILE	43.70	794.59	6395.	0.44	14616.	1391.	8.19	0.0300	127.	42.	0.02
MILE	42.00	794.59	6660.	0.34	19463.	1357.	6.16	0.0300	279.	45.	0.02
MILE	39.10	794.58	7146.	0.38	18560.	1380.	7.91	0.0230	303.	44.	0.02
MILE	37.00	794.58	7828.	0.24	32747.	1142.	7.39	0.0280	188.	43.	0.01
MILE	36.00	794.57	8030.	0.40	20172.	919.	8.39	0.0280	146.	46.	0.01

MILE	34.60	794.57	8217.	0.27	30556.	1250.	9.70	0.0280	146.	46.	0.01
MILE	33.60	794.57	8440.	0.13	63451.	2183.	8.22	0.0290	188.	52.	0.00
MILE	31.50	794.57	9100.	0.29	30971.	1791.	10.45	0.0250	212.	56.	0.01
MILE	30.10	794.57	9227.	0.28	32666.	901.	10.01	0.0200	152.	54.	0.01
MILE	29.00	794.57	9368.	0.26	36326.	1075.	10.87	0.0200	170.	55.	0.01
MILE	27.30	794.57	9720.	0.26	37663.	1075.	11.26	0.0230	230.	57.	0.01
MILE	25.20	794.56	10290.	0.22	46588.	1072.	12.08	0.0230	255.	60.	0.01
MILE	23.10	794.56	10661.	0.28	38363.	1104.	11.51	0.0230	255.	65.	0.01

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TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.72	2000.	2.60	771.	275.	2.25	0.0290	244.	4.	0.27
MILE	77.70	817.28	2257.	2.07	1090.	193.	2.57	0.0400	244.	7.	0.15
MILE	75.60	811.56	2522.	2.07	1221.	183.	2.78	0.0400	244.	5.	0.14
MILE	73.50	808.07	2801.	1.98	1417.	169.	3.11	0.0330	244.	9.	0.12
MILE	71.40	806.54	3083.	1.61	1917.	246.	2.87	0.0400	244.	9.	0.10
MILE	69.30	803.45	3371.	2.10	1606.	297.	2.55	0.0340	244.	5.	0.16
MILE	67.20	798.69	3660.	2.14	1711.	331.	2.52	0.0340	244.	8.	0.17
MILE	65.10	795.38	4002.	1.59	2514.	370.	3.47	0.0320	244.	8.	0.11
MILE	63.00	795.03	4381.	1.16	3789.	356.	4.80	0.0400	244.	14.	0.06
MILE	60.90	794.72	4716.	0.97	4847.	364.	5.88	0.0450	244.	18.	0.05
MILE	58.80	794.57	3009.	0.51	5954.	361.	6.21	0.0400	-1773.	21.	0.02
MILE	57.00	794.56	3259.	0.49	6608.	404.	6.14	0.0200	221.	20.	0.02
MILE	55.00	794.56	3541.	0.53	6687.	467.	6.58	0.0200	227.	21.	0.02
MILE	53.10	794.56	3805.	0.41	9260.	575.	6.10	0.0200	233.	21.	0.02
MILE	51.00	794.56	4132.	0.42	9923.	935.	6.19	0.0200	279.	25.	0.02
MILE	48.30	794.55	4805.	0.35	13635.	1651.	4.90	0.0200	279.	26.	0.02
MILE	46.20	794.55	5395.	0.34	16027.	1848.	6.82	0.0200	244.	33.	0.02
MILE	44.10	794.55	5917.	0.21	28264.	1535.	8.13	0.0300	145.	39.	0.01
MILE	43.70	794.54	6012.	0.41	14589.	1389.	8.20	0.0300	122.	42.	0.02
MILE	42.00	794.54	6445.	0.33	19394.	1355.	6.16	0.0300	268.	45.	0.02
MILE	39.10	794.52	7239.	0.39	18509.	1377.	7.90	0.0230	291.	44.	0.02
MILE	37.00	794.52	7580.	0.23	32660.	1140.	7.38	0.0280	180.	43.	0.01
MILE	36.00	794.52	7734.	0.38	20128.	917.	8.39	0.0280	140.	46.	0.01
MILE	34.60	794.52	7962.	0.26	30501.	1248.	9.70	0.0280	140.	46.	0.01
MILE	33.60	794.52	8173.	0.13	63305.	2179.	8.21	0.0290	180.	52.	0.00
MILE	31.50	794.52	8712.	0.28	30926.	1788.	10.44	0.0250	204.	56.	0.01
MILE	30.10	794.51	9083.	0.28	32607.	899.	10.00	0.0200	145.	54.	0.01
MILE	29.00	794.51	9315.	0.26	36267.	1072.	10.86	0.0200	163.	55.	0.01
MILE	27.30	794.51	9642.	0.26	37608.	1073.	11.25	0.0230	221.	57.	0.01
MILE	25.20	794.52	10010.	0.22	46539.	1071.	12.07	0.0230	244.	60.	0.01
MILE	23.10	794.52	10392.	0.27	38325.	1102.	11.51	0.0230	244.	65.	0.01

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TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.69	2000.	2.62	764.	274.	2.24	0.0290	234.	4.	0.28
MILE	77.70	817.26	2248.	2.07	1085.	193.	2.57	0.0400	234.	7.	0.15
MILE	75.60	811.53	2503.	2.06	1213.	182.	2.77	0.0400	234.	5.	0.14
MILE	73.50	808.04	2773.	1.97	1409.	168.	3.10	0.0330	234.	9.	0.12
MILE	71.40	806.51	3046.	1.60	1904.	246.	2.86	0.0400	234.	9.	0.10
MILE	69.30	803.42	3325.	2.09	1591.	296.	2.54	0.0340	234.	5.	0.16
MILE	67.20	798.64	3605.	2.14	1685.	329.	2.51	0.0340	234.	8.	0.17
MILE	65.10	795.30	3911.	1.58	2482.	366.	3.44	0.0320	234.	8.	0.11
MILE	63.00	794.97	4219.	1.12	3767.	354.	4.78	0.0400	234.	14.	0.06
MILE	60.90	794.68	4537.	0.94	4832.	363.	5.87	0.0450	234.	18.	0.05
MILE	58.80	794.53	2860.	0.48	5939.	360.	6.20	0.0400	-1783.	21.	0.02
MILE	57.00	794.52	3111.	0.47	6590.	403.	6.13	0.0200	212.	20.	0.02
MILE	55.00	794.51	3387.	0.51	6670.	466.	6.57	0.0200	217.	21.	0.02
MILE	53.10	794.51	3684.	0.40	9227.	574.	6.09	0.0200	223.	21.	0.02
MILE	51.00	794.50	4085.	0.41	9892.	933.	6.18	0.0200	268.	25.	0.02
MILE	48.30	794.49	4653.	0.34	13566.	1648.	4.90	0.0200	268.	26.	0.02
MILE	46.20	794.49	5077.	0.32	15977.	1844.	6.81	0.0200	234.	33.	0.02
MILE	44.10	794.49	5635.	0.20	28197.	1532.	8.12	0.0300	139.	39.	0.01
MILE	43.70	794.49	5726.	0.39	14558.	1386.	8.20	0.0300	117.	41.	0.02
MILE	42.00	794.48	6052.	0.31	19328.	1352.	6.16	0.0300	256.	44.	0.01
MILE	39.10	794.48	6441.	0.35	18478.	1375.	7.90	0.0230	279.	43.	0.02
MILE	37.00	794.49	6706.	0.21	32602.	1138.	7.37	0.0280	173.	43.	0.01
MILE	36.00	794.48	6906.	0.34	20100.	916.	8.38	0.0280	134.	45.	0.01
MILE	34.60	794.49	7240.	0.24	30470.	1246.	9.69	0.0280	134.	46.	0.01
MILE	33.60	794.49	7408.	0.12	63224.	2177.	8.20	0.0290	173.	52.	0.00
MILE	31.50	794.49	7555.	0.24	30901.	1786.	10.44	0.0250	195.	56.	0.01
MILE	30.10	794.49	7877.	0.24	32580.	898.	10.00	0.0200	139.	54.	0.01
MILE	29.00	794.49	8062.	0.22	36242.	1072.	10.86	0.0200	156.	55.	0.01
MILE	27.30	794.49	8226.	0.22	37588.	1072.	11.25	0.0230	212.	57.	0.01
MILE	25.20	794.50	8324.	0.18	46521.	1070.	12.07	0.0230	234.	60.	0.00
MILE	23.10	794.50	8702.	0.23	38306.	1102.	11.50	0.0230	234.	64.	0.01

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TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.68	2012.	2.64	761.	274.	2.24	0.0290	225.	4.	0.28
MILE	77.70	817.25	2247.	2.07	1083.	192.	2.57	0.0400	225.	7.	0.15
MILE	75.60	811.50	2488.	2.06	1205.	181.	2.76	0.0400	225.	5.	0.14
MILE	73.50	808.01	2745.	1.96	1400.	167.	3.09	0.0330	225.	9.	0.12
MILE	71.40	806.48	3006.	1.59	1890.	245.	2.85	0.0400	225.	9.	0.10

MILE	69.30	803.39	3276.	2.08	1576.	294.	2.52	0.0340	225.	5.	0.16
MILE	67.20	798.59	3544.	2.14	1660.	326.	2.50	0.0340	225.	8.	0.17
MILE	65.10	795.23	3841.	1.57	2453.	363.	3.42	0.0320	225.	8.	0.11
MILE	63.00	794.90	4167.	1.11	3742.	353.	4.77	0.0400	225.	14.	0.06
MILE	60.90	794.61	4472.	0.93	4810.	362.	5.86	0.0450	225.	18.	0.04
MILE	58.80	794.47	2736.	0.46	5918.	360.	6.19	0.0400	-1791.	21.	0.02
MILE	57.00	794.47	2972.	0.45	6567.	403.	6.12	0.0200	204.	20.	0.02
MILE	55.00	794.46	3252.	0.49	6650.	466.	6.57	0.0200	209.	21.	0.02
MILE	53.10	794.46	3504.	0.38	9200.	574.	6.08	0.0200	214.	21.	0.02
MILE	51.00	794.46	3749.	0.38	9874.	932.	6.18	0.0200	257.	25.	0.02
MILE	48.30	794.47	4039.	0.30	13538.	1646.	4.90	0.0200	257.	26.	0.02
MILE	46.20	794.46	4455.	0.28	15954.	1843.	6.81	0.0200	225.	33.	0.02
MILE	44.10	794.47	4687.	0.17	28172.	1531.	8.12	0.0300	134.	39.	0.01
MILE	43.70	794.47	4731.	0.33	14548.	1385.	8.20	0.0300	112.	41.	0.02
MILE	42.00	794.47	4929.	0.26	19310.	1352.	6.16	0.0300	246.	44.	0.01
MILE	39.10	794.46	5403.	0.29	18463.	1374.	7.90	0.0230	268.	43.	0.01
MILE	37.00	794.47	5647.	0.17	32569.	1137.	7.37	0.0280	166.	43.	0.01
MILE	36.00	794.46	5834.	0.29	20084.	915.	8.38	0.0280	129.	45.	0.01
MILE	34.60	794.46	6161.	0.20	30449.	1246.	9.69	0.0280	129.	46.	0.01
MILE	33.60	794.47	6341.	0.10	63167.	2175.	8.20	0.0290	166.	52.	0.00
MILE	31.50	794.47	6534.	0.21	30880.	1785.	10.44	0.0250	187.	56.	0.01
MILE	30.10	794.47	6832.	0.21	32558.	897.	9.99	0.0200	134.	54.	0.01
MILE	29.00	794.47	7037.	0.19	36222.	1071.	10.85	0.0200	150.	55.	0.01
MILE	27.30	794.47	7312.	0.19	37564.	1071.	11.24	0.0230	204.	57.	0.01
MILE	25.20	794.47	7563.	0.16	46486.	1069.	12.07	0.0230	225.	60.	0.00
MILE	23.10	794.47	7930.	0.21	38277.	1100.	11.50	0.0230	225.	64.	0.01

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TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	824.78	4297.	3.18	1351.	317.	2.86	0.0290	216.	6.	0.27
MILE	77.70	818.98	4116.	2.60	1581.	245.	2.99	0.0400	216.	8.	0.18
MILE	75.60	812.12	3325.	2.42	1372.	197.	2.98	0.0400	216.	6.	0.16
MILE	73.50	808.11	2984.	2.09	1427.	170.	3.12	0.0330	216.	9.	0.13
MILE	71.40	806.47	3033.	1.61	1888.	245.	2.84	0.0400	216.	9.	0.10
MILE	69.30	803.35	3233.	2.07	1561.	293.	2.51	0.0340	216.	5.	0.16
MILE	67.20	798.54	3484.	2.13	1634.	324.	2.49	0.0340	216.	8.	0.17
MILE	65.10	795.16	3766.	1.55	2427.	359.	3.39	0.0320	216.	8.	0.11
MILE	63.00	794.85	4030.	1.08	3725.	352.	4.76	0.0400	216.	14.	0.06
MILE	60.90	794.59	4252.	0.89	4804.	362.	5.85	0.0450	216.	18.	0.04
MILE	58.80	794.47	2476.	0.42	5917.	360.	6.19	0.0400	-1800.	21.	0.02
MILE	57.00	794.46	2660.	0.41	6566.	403.	6.12	0.0200	195.	20.	0.02
MILE	55.00	794.46	2850.	0.43	6650.	466.	6.57	0.0200	200.	21.	0.02
MILE	53.10	794.46	3033.	0.33	9199.	574.	6.08	0.0200	206.	21.	0.01
MILE	51.00	794.46	3269.	0.33	9871.	932.	6.18	0.0200	247.	25.	0.02
MILE	48.30	794.45	3690.	0.27	13521.	1646.	4.90	0.0200	247.	26.	0.02

MILE	46.20	794.45	3904.	0.24	15944.	1842.	6.81	0.0200	216.	33.	0.01
MILE	44.10	794.45	4262.	0.15	28151.	1530.	8.12	0.0300	128.	39.	0.01
MILE	43.70	794.45	4330.	0.30	14538.	1384.	8.20	0.0300	108.	41.	0.02
MILE	42.00	794.45	4634.	0.24	19278.	1350.	6.16	0.0300	236.	44.	0.01
MILE	39.10	794.44	5115.	0.28	18441.	1373.	7.90	0.0230	257.	43.	0.01
MILE	37.00	794.43	5511.	0.17	32519.	1136.	7.36	0.0280	159.	43.	0.01
MILE	36.00	794.43	5658.	0.28	20058.	914.	8.38	0.0280	123.	45.	0.01
MILE	34.60	794.43	5854.	0.19	30417.	1244.	9.69	0.0280	123.	46.	0.01
MILE	33.60	794.43	6072.	0.10	63074.	2173.	8.19	0.0290	159.	52.	0.00
MILE	31.50	794.42	6670.	0.22	30841.	1782.	10.43	0.0250	180.	56.	0.01
MILE	30.10	794.43	6902.	0.21	32515.	896.	9.99	0.0200	128.	54.	0.01
MILE	29.00	794.43	7086.	0.20	36181.	1069.	10.85	0.0200	144.	55.	0.01
MILE	27.30	794.42	7436.	0.20	37520.	1069.	11.24	0.0230	195.	57.	0.01
MILE	25.20	794.42	7863.	0.17	46428.	1067.	12.06	0.0230	216.	60.	0.00
MILE	23.10	794.42	8184.	0.21	38229.	1099.	11.49	0.0230	216.	64.	0.01

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TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.43	2236.	3.21	697.	269.	2.15	0.0290	208.	4.	0.35
MILE	77.70	818.29	2922.	2.13	1373.	224.	2.83	0.0400	208.	8.	0.15
MILE	75.60	812.84	3733.	2.38	1566.	215.	3.23	0.0400	208.	6.	0.16
MILE	73.50	808.78	3844.	2.40	1600.	183.	3.32	0.0330	208.	10.	0.14
MILE	71.40	806.88	3681.	1.80	2050.	253.	2.99	0.0400	208.	9.	0.11
MILE	69.30	803.47	3481.	2.16	1614.	297.	2.55	0.0340	208.	5.	0.16
MILE	67.20	798.53	3511.	2.15	1631.	324.	2.49	0.0340	208.	8.	0.17
MILE	65.10	795.14	3709.	1.53	2417.	358.	3.39	0.0320	208.	8.	0.10
MILE	63.00	794.84	3934.	1.06	3720.	352.	4.76	0.0400	208.	14.	0.06
MILE	60.90	794.58	4172.	0.87	4801.	362.	5.85	0.0450	208.	18.	0.04
MILE	58.80	794.46	2396.	0.41	5915.	359.	6.19	0.0400	-1807.	21.	0.02
MILE	57.00	794.46	2586.	0.39	6563.	403.	6.12	0.0200	188.	20.	0.02
MILE	55.00	794.45	2814.	0.42	6646.	465.	6.57	0.0200	193.	21.	0.02
MILE	53.10	794.44	3058.	0.33	9189.	573.	6.08	0.0200	198.	21.	0.01
MILE	51.00	794.44	3363.	0.34	9860.	931.	6.17	0.0200	237.	25.	0.02
MILE	48.30	794.43	3813.	0.28	13492.	1644.	4.90	0.0200	237.	26.	0.02
MILE	46.20	794.42	4292.	0.27	15914.	1840.	6.80	0.0200	208.	33.	0.02
MILE	44.10	794.42	4718.	0.17	28109.	1528.	8.11	0.0300	124.	39.	0.01
MILE	43.70	794.41	4793.	0.33	14519.	1382.	8.20	0.0300	104.	41.	0.02
MILE	42.00	794.41	5114.	0.27	19231.	1349.	6.16	0.0300	228.	44.	0.01
MILE	39.10	794.39	5681.	0.31	18402.	1371.	7.89	0.0230	247.	43.	0.01
MILE	37.00	794.38	6216.	0.19	32437.	1134.	7.35	0.0280	153.	43.	0.01
MILE	36.00	794.38	6352.	0.32	20016.	913.	8.37	0.0280	119.	45.	0.01
MILE	34.60	794.38	6477.	0.21	30364.	1242.	9.68	0.0280	119.	46.	0.01
MILE	33.60	794.38	6714.	0.11	62933.	2169.	8.18	0.0290	153.	51.	0.00
MILE	31.50	794.37	7523.	0.24	30792.	1779.	10.42	0.0250	173.	56.	0.01
MILE	30.10	794.37	7668.	0.24	32457.	895.	9.98	0.0200	124.	54.	0.01

MILE	29.00	794.37	7807.	0.22	36126.	1067.	10.84	0.0200	138.	55.	0.01
MILE	27.30	794.37	8162.	0.22	37465.	1067.	11.23	0.0230	188.	57.	0.01
MILE	25.20	794.36	8735.	0.19	46364.	1065.	12.05	0.0230	208.	60.	0.01
MILE	23.10	794.36	9053.	0.24	38172.	1096.	11.48	0.0230	208.	64.	0.01

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TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.24	2000.	3.07	652.	265.	2.08	0.0290	200.	4.	0.34
MILE	77.70	817.41	2295.	2.04	1126.	197.	2.61	0.0400	200.	7.	0.15
MILE	75.60	812.11	2835.	2.07	1370.	197.	2.98	0.0400	200.	6.	0.14
MILE	73.50	808.71	3432.	2.17	1584.	182.	3.30	0.0330	200.	10.	0.13
MILE	71.40	807.12	3810.	1.77	2147.	257.	3.08	0.0400	200.	9.	0.11
MILE	69.30	803.78	3958.	2.26	1754.	307.	2.66	0.0340	200.	5.	0.17
MILE	67.20	798.75	3905.	2.24	1743.	334.	2.53	0.0340	200.	8.	0.17
MILE	65.10	795.16	3894.	1.61	2425.	359.	3.39	0.0320	200.	8.	0.11
MILE	63.00	794.83	4048.	1.09	3716.	352.	4.76	0.0400	200.	14.	0.06
MILE	60.90	794.55	4268.	0.89	4790.	362.	5.84	0.0450	200.	18.	0.04
MILE	58.80	794.42	2528.	0.43	5897.	359.	6.19	0.0400	-1815.	21.	0.02
MILE	57.00	794.41	2762.	0.42	6540.	402.	6.10	0.0200	181.	20.	0.02
MILE	55.00	794.40	3035.	0.46	6625.	465.	6.56	0.0200	185.	21.	0.02
MILE	53.10	794.39	3304.	0.36	9155.	572.	6.07	0.0200	190.	21.	0.02
MILE	51.00	794.38	3647.	0.37	9832.	930.	6.17	0.0200	228.	25.	0.02
MILE	48.30	794.37	4253.	0.32	13424.	1641.	4.90	0.0200	228.	25.	0.02
MILE	46.20	794.36	4854.	0.31	15863.	1836.	6.79	0.0200	200.	33.	0.02
MILE	44.10	794.36	5405.	0.19	28040.	1525.	8.10	0.0300	119.	39.	0.01
MILE	43.70	794.36	5497.	0.38	14488.	1380.	8.21	0.0300	100.	41.	0.02
MILE	42.00	794.35	5877.	0.31	19157.	1346.	6.16	0.0300	219.	44.	0.01
MILE	39.10	794.33	6524.	0.36	18352.	1368.	7.89	0.0230	238.	43.	0.02
MILE	37.00	794.33	7061.	0.22	32344.	1132.	7.34	0.0280	147.	43.	0.01
MILE	36.00	794.32	7234.	0.36	19968.	911.	8.37	0.0280	114.	45.	0.01
MILE	34.60	794.32	7432.	0.25	30302.	1239.	9.67	0.0280	114.	46.	0.01
MILE	33.60	794.32	7669.	0.12	62766.	2164.	8.17	0.0290	147.	51.	0.00
MILE	31.50	794.31	8355.	0.27	30741.	1776.	10.42	0.0250	166.	56.	0.01
MILE	30.10	794.31	8583.	0.26	32394.	893.	9.96	0.0200	119.	54.	0.01
MILE	29.00	794.31	8753.	0.24	36063.	1065.	10.83	0.0200	133.	55.	0.01
MILE	27.30	794.31	9092.	0.24	37405.	1065.	11.22	0.0230	181.	57.	0.01
MILE	25.20	794.30	9591.	0.21	46303.	1063.	12.04	0.0230	200.	60.	0.01
MILE	23.10	794.30	9994.	0.26	38115.	1094.	11.47	0.0230	200.	64.	0.01

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TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.47	2000.	2.82	709.	270.	2.16	0.0290	192.	4.	0.31
MILE	77.70	817.14	2161.	2.05	1054.	189.	2.54	0.0400	192.	6.	0.15
MILE	75.60	811.52	2404.	1.99	1210.	182.	2.76	0.0400	192.	5.	0.14
MILE	73.50	808.29	2882.	1.96	1471.	173.	3.17	0.0330	192.	9.	0.12
MILE	71.40	806.84	3345.	1.64	2034.	252.	2.98	0.0400	192.	9.	0.10
MILE	69.30	803.75	3806.	2.19	1739.	306.	2.65	0.0340	192.	5.	0.16
MILE	67.20	798.94	4129.	2.24	1843.	343.	2.57	0.0340	192.	8.	0.17
MILE	65.10	795.22	4209.	1.72	2449.	362.	3.41	0.0320	192.	8.	0.12
MILE	63.00	794.83	4353.	1.17	3719.	352.	4.76	0.0400	192.	14.	0.06
MILE	60.90	794.51	4570.	0.96	4777.	361.	5.84	0.0450	192.	18.	0.05
MILE	58.80	794.35	2836.	0.48	5873.	358.	6.18	0.0400	-1822.	21.	0.02
MILE	57.00	794.34	3065.	0.47	6512.	401.	6.09	0.0200	174.	20.	0.02
MILE	55.00	794.33	3326.	0.50	6599.	463.	6.55	0.0200	178.	21.	0.02
MILE	53.10	794.32	3593.	0.39	9111.	571.	6.05	0.0200	183.	21.	0.02
MILE	51.00	794.31	3953.	0.40	9793.	927.	6.16	0.0200	219.	25.	0.02
MILE	48.30	794.29	4599.	0.34	13338.	1637.	4.90	0.0200	219.	25.	0.02
MILE	46.20	794.29	5174.	0.33	15797.	1832.	6.78	0.0200	192.	32.	0.02
MILE	44.10	794.29	5779.	0.21	27952.	1521.	8.09	0.0300	114.	39.	0.01
MILE	43.70	794.28	5884.	0.41	14448.	1376.	8.21	0.0300	96.	41.	0.02
MILE	42.00	794.27	6330.	0.33	19064.	1343.	6.16	0.0300	210.	44.	0.02
MILE	39.10	794.25	7094.	0.39	18290.	1364.	7.88	0.0230	229.	43.	0.02
MILE	37.00	794.25	7530.	0.23	32224.	1129.	7.32	0.0280	142.	43.	0.01
MILE	36.00	794.25	7759.	0.39	19908.	909.	8.36	0.0280	110.	45.	0.01
MILE	34.60	794.24	8123.	0.27	30228.	1236.	9.66	0.0280	110.	46.	0.01
MILE	33.60	794.24	8408.	0.13	62571.	2159.	8.15	0.0290	142.	51.	0.00
MILE	31.50	794.24	8987.	0.29	30677.	1771.	10.41	0.0250	160.	55.	0.01
MILE	30.10	794.24	9436.	0.29	32315.	890.	9.95	0.0200	114.	53.	0.01
MILE	29.00	794.23	9696.	0.27	35986.	1062.	10.82	0.0200	128.	55.	0.01
MILE	27.30	794.23	10023.	0.27	37332.	1062.	11.21	0.0230	174.	57.	0.01
MILE	25.20	794.24	10348.	0.22	46229.	1061.	12.03	0.0230	192.	60.	0.01
MILE	23.10	794.23	10821.	0.28	38049.	1092.	11.46	0.0230	192.	64.	0.01

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TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.62	2000.	2.68	747.	273.	2.22	0.0290	184.	4.	0.29
MILE	77.70	817.11	2152.	2.06	1045.	188.	2.53	0.0400	184.	6.	0.15
MILE	75.60	811.32	2332.	2.02	1157.	177.	2.69	0.0400	184.	5.	0.14
MILE	73.50	807.98	2633.	1.89	1392.	167.	3.08	0.0330	184.	9.	0.12
MILE	71.40	806.53	2996.	1.57	1910.	246.	2.86	0.0400	184.	9.	0.10
MILE	69.30	803.52	3431.	2.10	1637.	299.	2.57	0.0340	184.	5.	0.16
MILE	67.20	798.81	3840.	2.17	1771.	336.	2.55	0.0340	184.	8.	0.17
MILE	65.10	795.19	4178.	1.72	2436.	361.	3.40	0.0320	184.	8.	0.12

MILE	63.00	794.79	4475.	1.21	3704.	351.	4.75	0.0400	184.	14.	0.07
MILE	60.90	794.45	4770.	1.00	4754.	360.	5.82	0.0450	184.	18.	0.05
MILE	58.80	794.27	3061.	0.52	5843.	357.	6.17	0.0400	-1829.	21.	0.02
MILE	57.00	794.26	3307.	0.51	6478.	400.	6.07	0.0200	167.	19.	0.02
MILE	55.00	794.25	3595.	0.55	6569.	462.	6.54	0.0200	171.	21.	0.03
MILE	53.10	794.24	3893.	0.43	9063.	569.	6.04	0.0200	176.	21.	0.02
MILE	51.00	794.23	4285.	0.44	9753.	925.	6.14	0.0200	211.	25.	0.02
MILE	48.30	794.22	4934.	0.37	13247.	1633.	4.91	0.0200	211.	25.	0.02
MILE	46.20	794.21	5584.	0.36	15725.	1827.	6.77	0.0200	184.	32.	0.02
MILE	44.10	794.20	6196.	0.22	27855.	1517.	8.08	0.0300	110.	39.	0.01
MILE	43.70	794.20	6296.	0.44	14405.	1372.	8.22	0.0300	92.	41.	0.02
MILE	42.00	794.19	6692.	0.35	18963.	1339.	6.16	0.0300	202.	44.	0.02
MILE	39.10	794.17	7371.	0.40	18224.	1361.	7.87	0.0230	220.	43.	0.02
MILE	37.00	794.17	7762.	0.24	32096.	1126.	7.30	0.0280	136.	43.	0.01
MILE	36.00	794.17	8014.	0.40	19843.	906.	8.36	0.0280	105.	45.	0.02
MILE	34.60	794.16	8440.	0.28	30149.	1233.	9.65	0.0280	105.	46.	0.01
MILE	33.60	794.16	8713.	0.14	62359.	2153.	8.14	0.0290	136.	51.	0.00
MILE	31.50	794.17	9103.	0.30	30607.	1767.	10.39	0.0250	154.	55.	0.01
MILE	30.10	794.16	9518.	0.30	32237.	888.	9.94	0.0200	110.	53.	0.01
MILE	29.00	794.16	9766.	0.27	35913.	1060.	10.80	0.0200	123.	54.	0.01
MILE	27.30	794.16	10067.	0.27	37261.	1060.	11.20	0.0230	167.	57.	0.01
MILE	25.20	794.16	10329.	0.22	46151.	1058.	12.02	0.0230	184.	60.	0.01
MILE	23.10	794.16	10820.	0.28	37982.	1089.	11.45	0.0230	184.	64.	0.01

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TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.65	2000.	2.66	753.	273.	2.22	0.0290	180.	4.	0.28
MILE	77.70	817.14	2180.	2.07	1053.	189.	2.54	0.0400	180.	6.	0.15
MILE	75.60	811.32	2364.	2.04	1156.	176.	2.69	0.0400	180.	5.	0.14
MILE	73.50	807.85	2575.	1.90	1358.	164.	3.04	0.0330	180.	9.	0.12
MILE	71.40	806.34	2828.	1.54	1836.	242.	2.80	0.0400	180.	9.	0.10
MILE	69.30	803.31	3136.	2.03	1542.	292.	2.50	0.0340	180.	5.	0.16
MILE	67.20	798.56	3480.	2.12	1642.	325.	2.49	0.0340	180.	8.	0.17
MILE	65.10	795.03	3903.	1.64	2374.	353.	3.35	0.0320	180.	8.	0.11
MILE	63.00	794.66	4310.	1.18	3657.	349.	4.73	0.0400	180.	14.	0.06
MILE	60.90	794.33	4669.	0.99	4714.	359.	5.79	0.0450	180.	18.	0.05
MILE	58.80	794.16	2996.	0.52	5801.	356.	6.16	0.0400	-1833.	21.	0.02
MILE	57.00	794.15	3266.	0.51	6432.	398.	6.05	0.0200	163.	19.	0.02
MILE	55.00	794.15	3575.	0.55	6531.	461.	6.52	0.0200	167.	21.	0.03
MILE	53.10	794.14	3878.	0.43	9005.	567.	6.02	0.0200	172.	21.	0.02
MILE	51.00	794.14	4266.	0.44	9707.	922.	6.13	0.0200	206.	25.	0.02
MILE	48.30	794.13	4935.	0.38	13151.	1628.	4.91	0.0200	206.	25.	0.02
MILE	46.20	794.13	5570.	0.36	15654.	1822.	6.75	0.0200	180.	32.	0.02
MILE	44.10	794.13	6154.	0.22	27762.	1513.	8.06	0.0300	107.	39.	0.01
MILE	43.70	794.12	6253.	0.44	14364.	1369.	8.22	0.0300	90.	41.	0.02

MILE	42.00	794.12	6666.	0.35	18871.	1335.	6.16	0.0300	197.	44.	0.02
MILE	39.10	794.10	7428.	0.41	18162.	1357.	7.87	0.0230	215.	43.	0.02
MILE	37.00	794.10	7931.	0.25	31971.	1123.	7.29	0.0280	133.	43.	0.01
MILE	36.00	794.09	8164.	0.41	19781.	904.	8.35	0.0280	103.	45.	0.02
MILE	34.60	794.09	8521.	0.28	30074.	1230.	9.64	0.0280	103.	46.	0.01
MILE	33.60	794.09	8832.	0.14	62154.	2148.	8.12	0.0290	133.	51.	0.00
MILE	31.50	794.08	9506.	0.31	30532.	1762.	10.38	0.0250	150.	55.	0.01
MILE	30.10	794.08	9888.	0.31	32154.	886.	9.92	0.0200	107.	53.	0.01
MILE	29.00	794.08	10145.	0.28	35834.	1057.	10.79	0.0200	120.	54.	0.01
MILE	27.30	794.08	10567.	0.28	37179.	1057.	11.18	0.0230	163.	57.	0.01
MILE	25.20	794.07	11021.	0.24	46050.	1055.	12.01	0.0230	180.	60.	0.01
MILE	23.10	794.07	11473.	0.30	37897.	1086.	11.44	0.0230	180.	64.	0.01

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TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.60	2000.	2.70	740.	272.	2.21	0.0290	176.	4.	0.29
MILE	77.70	817.16	2193.	2.07	1058.	190.	2.54	0.0400	176.	6.	0.15
MILE	75.60	811.33	2378.	2.05	1159.	177.	2.69	0.0400	176.	5.	0.14
MILE	73.50	807.80	2562.	1.90	1346.	163.	3.02	0.0330	176.	9.	0.12
MILE	71.40	806.25	2759.	1.53	1801.	241.	2.76	0.0400	176.	8.	0.10
MILE	69.30	803.19	2983.	2.01	1486.	288.	2.45	0.0340	176.	4.	0.16
MILE	67.20	798.36	3250.	2.11	1543.	315.	2.45	0.0340	176.	8.	0.17
MILE	65.10	794.83	3632.	1.58	2296.	346.	3.29	0.0320	176.	8.	0.11
MILE	63.00	794.49	4024.	1.12	3600.	347.	4.70	0.0400	176.	13.	0.06
MILE	60.90	794.20	4364.	0.93	4671.	358.	5.76	0.0450	176.	18.	0.05
MILE	58.80	794.06	2662.	0.46	5763.	354.	6.14	0.0400	-1837.	21.	0.02
MILE	57.00	794.05	2904.	0.45	6389.	397.	6.03	0.0200	159.	19.	0.02
MILE	55.00	794.05	3186.	0.49	6495.	459.	6.51	0.0200	163.	21.	0.02
MILE	53.10	794.05	3483.	0.39	8948.	566.	6.00	0.0200	168.	21.	0.02
MILE	51.00	794.04	3904.	0.40	9659.	919.	6.12	0.0200	201.	25.	0.02
MILE	48.30	794.04	4701.	0.36	13043.	1623.	4.91	0.0200	201.	25.	0.02
MILE	46.20	794.03	5444.	0.35	15569.	1816.	6.74	0.0200	176.	32.	0.02
MILE	44.10	794.03	6208.	0.22	27644.	1508.	8.05	0.0300	105.	39.	0.01
MILE	43.70	794.03	6336.	0.44	14312.	1364.	8.23	0.0300	88.	41.	0.02
MILE	42.00	794.02	6860.	0.37	18747.	1331.	6.16	0.0300	193.	44.	0.02
MILE	39.10	794.00	7728.	0.43	18077.	1352.	7.86	0.0230	210.	43.	0.02
MILE	37.00	793.99	8393.	0.26	31802.	1119.	7.26	0.0280	130.	43.	0.01
MILE	36.00	793.99	8602.	0.44	19698.	901.	8.34	0.0280	101.	45.	0.02
MILE	34.60	793.99	8855.	0.30	29972.	1226.	9.63	0.0280	101.	45.	0.01
MILE	33.60	793.99	9198.	0.15	61879.	2140.	8.10	0.0290	130.	51.	0.00
MILE	31.50	793.98	10200.	0.34	30436.	1755.	10.37	0.0250	147.	55.	0.01
MILE	30.10	793.98	10482.	0.33	32046.	882.	9.90	0.0200	105.	53.	0.01
MILE	29.00	793.98	10696.	0.30	35733.	1053.	10.77	0.0200	117.	54.	0.01
MILE	27.30	793.98	11156.	0.30	37080.	1053.	11.17	0.0230	159.	57.	0.01
MILE	25.20	793.97	11783.	0.26	45937.	1051.	11.99	0.0230	176.	59.	0.01

MILE	23.10	793.97	12202.	0.32	37802.	1082.	11.42	0.0230	176.	64.	0.01

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TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.57	2000.	2.73	733.	272.	2.20	0.0290	184.	4.	0.29
MILE	77.70	817.15	2187.	2.07	1056.	189.	2.54	0.0400	184.	6.	0.15
MILE	75.60	811.32	2370.	2.05	1157.	177.	2.69	0.0400	184.	5.	0.14
MILE	73.50	807.78	2552.	1.90	1340.	163.	3.01	0.0330	184.	9.	0.12
MILE	71.40	806.22	2736.	1.53	1788.	240.	2.75	0.0400	184.	8.	0.10
MILE	69.30	803.14	2933.	2.00	1465.	286.	2.44	0.0340	184.	4.	0.16
MILE	67.20	798.26	3156.	2.11	1495.	310.	2.43	0.0340	188.	8.	0.17
MILE	65.10	794.67	3457.	1.55	2237.	340.	3.24	0.0320	189.	8.	0.11
MILE	63.00	794.36	3797.	1.07	3554.	345.	4.67	0.0400	189.	13.	0.06
MILE	60.90	794.09	4129.	0.89	4634.	356.	5.73	0.0450	189.	18.	0.04
MILE	58.80	793.96	2447.	0.43	5725.	353.	6.13	0.0400	-1825.	21.	0.02
MILE	57.00	793.95	2718.	0.43	6345.	396.	6.01	0.0200	171.	19.	0.02
MILE	55.00	793.94	3039.	0.47	6455.	458.	6.50	0.0200	175.	20.	0.02
MILE	53.10	793.94	3377.	0.38	8881.	563.	5.98	0.0200	180.	21.	0.02
MILE	51.00	793.93	3835.	0.40	9601.	915.	6.10	0.0200	216.	25.	0.02
MILE	48.30	793.92	4654.	0.36	12915.	1616.	4.91	0.0200	216.	25.	0.02
MILE	46.20	793.92	5487.	0.35	15467.	1809.	6.72	0.0200	189.	32.	0.02
MILE	44.10	793.91	6268.	0.23	27507.	1502.	8.03	0.0300	112.	39.	0.01
MILE	43.70	793.91	6397.	0.45	14252.	1359.	8.24	0.0300	94.	41.	0.02
MILE	42.00	793.90	6917.	0.37	18610.	1326.	6.16	0.0300	207.	44.	0.02
MILE	39.10	793.89	7773.	0.43	17987.	1347.	7.85	0.0230	225.	43.	0.02
MILE	37.00	793.88	8453.	0.27	31629.	1115.	7.24	0.0280	139.	43.	0.01
MILE	36.00	793.88	8662.	0.44	19611.	897.	8.33	0.0280	108.	45.	0.02
MILE	34.60	793.88	8904.	0.30	29865.	1221.	9.61	0.0280	108.	45.	0.01
MILE	33.60	793.88	9232.	0.15	61593.	2132.	8.08	0.0290	139.	51.	0.00
MILE	31.50	793.87	10208.	0.34	30344.	1749.	10.35	0.0250	157.	55.	0.01
MILE	30.10	793.87	10490.	0.33	31938.	879.	9.88	0.0200	112.	53.	0.01
MILE	29.00	793.88	10697.	0.30	35629.	1050.	10.76	0.0200	126.	54.	0.01
MILE	27.30	793.87	11132.	0.30	36979.	1049.	11.15	0.0230	171.	57.	0.01
MILE	25.20	793.87	11774.	0.26	45829.	1047.	11.98	0.0230	189.	59.	0.01
MILE	23.10	793.87	12237.	0.32	37707.	1078.	11.41	0.0230	189.	64.	0.01

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TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.58	2000.	2.72	736.	272.	2.20	0.0290	193.	4.	0.29

MILE	77.70	817.15	2186.	2.07	1056.	189.	2.54	0.0400	193.	6.	0.15
MILE	75.60	811.32	2370.	2.05	1157.	177.	2.69	0.0400	193.	5.	0.14
MILE	73.50	807.78	2555.	1.91	1340.	163.	3.01	0.0330	193.	9.	0.12
MILE	71.40	806.22	2742.	1.53	1787.	240.	2.75	0.0400	193.	8.	0.10
MILE	69.30	803.13	2935.	2.01	1464.	286.	2.44	0.0340	193.	4.	0.16
MILE	67.20	798.23	3139.	2.12	1481.	309.	2.42	0.0340	201.	8.	0.17
MILE	65.10	794.56	3393.	1.55	2193.	336.	3.20	0.0320	202.	8.	0.11
MILE	63.00	794.24	3720.	1.06	3515.	343.	4.65	0.0400	202.	13.	0.06
MILE	60.90	793.97	4054.	0.88	4595.	355.	5.71	0.0450	202.	17.	0.04
MILE	58.80	793.84	2385.	0.42	5683.	352.	6.12	0.0400	-1813.	21.	0.02
MILE	57.00	793.84	2668.	0.42	6295.	394.	5.98	0.0200	183.	19.	0.02
MILE	55.00	793.83	2995.	0.47	6412.	456.	6.48	0.0200	187.	20.	0.02
MILE	53.10	793.82	3325.	0.38	8812.	561.	5.96	0.0200	192.	21.	0.02
MILE	51.00	793.82	3760.	0.39	9545.	912.	6.09	0.0200	231.	25.	0.02
MILE	48.30	793.81	4542.	0.36	12795.	1610.	4.92	0.0200	231.	25.	0.02
MILE	46.20	793.81	5300.	0.34	15373.	1802.	6.70	0.0200	202.	32.	0.02
MILE	44.10	793.81	6030.	0.22	27380.	1497.	8.01	0.0300	120.	39.	0.01
MILE	43.70	793.81	6150.	0.43	14197.	1354.	8.25	0.0300	101.	41.	0.02
MILE	42.00	793.80	6611.	0.36	18486.	1321.	6.16	0.0300	221.	44.	0.02
MILE	39.10	793.80	7197.	0.40	17914.	1343.	7.84	0.0230	240.	43.	0.02
MILE	37.00	793.81	7464.	0.24	31503.	1112.	7.22	0.0280	149.	43.	0.01
MILE	36.00	793.81	7593.	0.39	19552.	895.	8.32	0.0280	115.	45.	0.01
MILE	34.60	793.81	7778.	0.26	29796.	1218.	9.60	0.0280	115.	45.	0.01
MILE	33.60	793.81	7923.	0.13	61414.	2127.	8.07	0.0290	149.	51.	0.00
MILE	31.50	793.82	8247.	0.27	30293.	1746.	10.35	0.0250	168.	55.	0.01
MILE	30.10	793.82	8488.	0.27	31878.	877.	9.87	0.0200	120.	53.	0.01
MILE	29.00	793.82	8626.	0.24	35573.	1047.	10.75	0.0200	135.	54.	0.01
MILE	27.30	793.83	8781.	0.24	36933.	1048.	11.15	0.0230	183.	57.	0.01
MILE	25.20	793.84	9001.	0.20	45792.	1046.	11.98	0.0230	202.	59.	0.01
MILE	23.10	793.84	9353.	0.25	37678.	1077.	11.40	0.0230	202.	64.	0.01

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TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.60	2000.	2.70	741.	273.	2.21	0.0290	229.	4.	0.29
MILE	77.70	817.18	2208.	2.07	1065.	190.	2.55	0.0400	229.	6.	0.15
MILE	75.60	811.37	2408.	2.06	1170.	178.	2.71	0.0400	229.	5.	0.14
MILE	73.50	807.82	2596.	1.92	1352.	164.	3.03	0.0330	229.	9.	0.12
MILE	71.40	806.26	2787.	1.55	1803.	241.	2.76	0.0400	229.	8.	0.10
MILE	69.30	803.17	2977.	2.02	1477.	287.	2.45	0.0340	229.	4.	0.16
MILE	67.20	798.25	3175.	2.13	1490.	310.	2.43	0.0340	240.	8.	0.17
MILE	65.10	794.48	3404.	1.57	2164.	334.	3.18	0.0320	242.	7.	0.11
MILE	63.00	794.16	3701.	1.06	3487.	342.	4.63	0.0400	242.	13.	0.06
MILE	60.90	793.89	4015.	0.88	4567.	354.	5.69	0.0450	242.	17.	0.04
MILE	58.80	793.76	2334.	0.41	5652.	351.	6.10	0.0400	-1775.	21.	0.02
MILE	57.00	793.75	2605.	0.42	6259.	393.	5.96	0.0200	219.	19.	0.02

MILE	55.00	793.75	2906.	0.46	6381.	454.	6.47	0.0200	225.	20.	0.02
MILE	53.10	793.75	3184.	0.36	8764.	560.	5.95	0.0200	230.	20.	0.02
MILE	51.00	793.75	3478.	0.37	9508.	910.	6.08	0.0200	277.	24.	0.02
MILE	48.30	793.76	3770.	0.30	12733.	1607.	4.92	0.0200	277.	25.	0.02
MILE	46.20	793.76	4041.	0.26	15331.	1799.	6.69	0.0200	242.	32.	0.02
MILE	44.10	793.77	4332.	0.16	27333.	1494.	8.00	0.0300	144.	39.	0.01
MILE	43.70	793.77	4386.	0.31	14177.	1352.	8.25	0.0300	121.	41.	0.02
MILE	42.00	793.77	4604.	0.25	18454.	1320.	6.16	0.0300	265.	44.	0.01
MILE	39.10	793.78	5001.	0.28	17902.	1342.	7.84	0.0230	288.	43.	0.01
MILE	37.00	793.79	5283.	0.17	31473.	1111.	7.21	0.0280	179.	42.	0.01
MILE	36.00	793.79	5502.	0.28	19537.	894.	8.32	0.0280	138.	45.	0.01
MILE	34.60	793.79	5876.	0.20	29776.	1217.	9.60	0.0280	138.	45.	0.01
MILE	33.60	793.79	6074.	0.10	61359.	2126.	8.07	0.0290	179.	51.	0.00
MILE	31.50	793.80	6266.	0.21	30274.	1745.	10.34	0.0250	202.	55.	0.01
MILE	30.10	793.79	6634.	0.21	31853.	877.	9.87	0.0200	144.	53.	0.01
MILE	29.00	793.79	6861.	0.19	35547.	1047.	10.74	0.0200	161.	54.	0.01
MILE	27.30	793.80	7114.	0.19	36906.	1047.	11.14	0.0230	219.	57.	0.01
MILE	25.20	793.81	7329.	0.16	45758.	1045.	11.97	0.0230	242.	59.	0.00
MILE	23.10	793.80	7818.	0.21	37641.	1076.	11.40	0.0230	242.	64.	0.01

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TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.60	2000.	2.70	739.	272.	2.21	0.0290	265.	4.	0.29
MILE	77.70	817.25	2250.	2.08	1082.	192.	2.56	0.0400	265.	7.	0.15
MILE	75.60	811.47	2484.	2.08	1196.	180.	2.74	0.0400	265.	5.	0.14
MILE	73.50	807.92	2685.	1.95	1378.	166.	3.06	0.0330	265.	9.	0.12
MILE	71.40	806.35	2885.	1.57	1839.	243.	2.80	0.0400	265.	9.	0.10
MILE	69.30	803.23	3072.	2.04	1508.	289.	2.47	0.0340	265.	5.	0.16
MILE	67.20	798.31	3269.	2.15	1522.	313.	2.44	0.0340	280.	8.	0.17
MILE	65.10	794.48	3479.	1.61	2163.	333.	3.18	0.0320	282.	7.	0.11
MILE	63.00	794.15	3706.	1.06	3485.	342.	4.63	0.0400	282.	13.	0.06
MILE	60.90	793.90	3897.	0.85	4571.	354.	5.69	0.0450	282.	17.	0.04
MILE	58.80	793.79	2071.	0.37	5663.	351.	6.11	0.0400	-1738.	21.	0.02
MILE	57.00	793.78	2237.	0.36	6274.	393.	5.97	0.0200	255.	19.	0.02
MILE	55.00	793.78	2428.	0.38	6394.	455.	6.47	0.0200	262.	20.	0.02
MILE	53.10	793.78	2607.	0.30	8785.	560.	5.95	0.0200	269.	20.	0.01
MILE	51.00	793.78	2789.	0.29	9524.	911.	6.08	0.0200	322.	24.	0.02
MILE	48.30	793.77	3050.	0.24	12752.	1608.	4.92	0.0200	322.	25.	0.01
MILE	46.20	793.77	3268.	0.21	15340.	1800.	6.69	0.0200	282.	32.	0.01
MILE	44.10	793.77	3501.	0.13	27335.	1495.	8.00	0.0300	168.	39.	0.01
MILE	43.70	793.77	3553.	0.25	14178.	1352.	8.25	0.0300	141.	41.	0.01
MILE	42.00	793.76	3827.	0.21	18441.	1319.	6.16	0.0300	309.	44.	0.01
MILE	39.10	793.75	4474.	0.25	17877.	1341.	7.83	0.0230	336.	43.	0.01
MILE	37.00	793.75	4874.	0.16	31408.	1110.	7.21	0.0280	208.	42.	0.01
MILE	36.00	793.74	5123.	0.26	19502.	893.	8.32	0.0280	161.	45.	0.01

MILE	34.60	793.74	5546.	0.19	29726.	1215.	9.59	0.0280	161.	45.	0.01
MILE	33.60	793.74	5851.	0.10	61216.	2122.	8.06	0.0290	208.	51.	0.00
MILE	31.50	793.73	6399.	0.21	30219.	1741.	10.33	0.0250	235.	55.	0.01
MILE	30.10	793.73	6868.	0.22	31788.	875.	9.86	0.0200	168.	53.	0.01
MILE	29.00	793.73	7175.	0.20	35483.	1044.	10.73	0.0200	188.	54.	0.01
MILE	27.30	793.73	7610.	0.21	36835.	1044.	11.13	0.0230	255.	57.	0.01
MILE	25.20	793.72	8060.	0.18	45669.	1042.	11.96	0.0230	282.	59.	0.00
MILE	23.10	793.72	8624.	0.23	37565.	1073.	11.38	0.0230	282.	64.	0.01

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.55	2000.	2.74	729.	272.	2.19	0.0290	268.	4.	0.30
MILE	77.70	817.29	2276.	2.08	1093.	194.	2.58	0.0400	268.	7.	0.15
MILE	75.60	811.55	2539.	2.08	1218.	182.	2.78	0.0400	268.	5.	0.14
MILE	73.50	808.03	2769.	1.97	1404.	168.	3.09	0.0330	268.	9.	0.12
MILE	71.40	806.45	2989.	1.59	1880.	245.	2.84	0.0400	268.	9.	0.10
MILE	69.30	803.32	3189.	2.06	1545.	292.	2.50	0.0340	268.	5.	0.16
MILE	67.20	798.41	3391.	2.16	1567.	317.	2.46	0.0340	278.	8.	0.17
MILE	65.10	794.57	3575.	1.63	2197.	337.	3.20	0.0320	279.	8.	0.11
MILE	63.00	794.24	3749.	1.07	3514.	343.	4.65	0.0400	279.	13.	0.06
MILE	60.90	793.97	3964.	0.86	4595.	355.	5.71	0.0450	279.	17.	0.04
MILE	58.80	793.84	2220.	0.39	5684.	352.	6.12	0.0400	-1741.	21.	0.02
MILE	57.00	793.83	2443.	0.39	6294.	394.	5.98	0.0200	252.	19.	0.02
MILE	55.00	793.82	2694.	0.42	6408.	456.	6.48	0.0200	259.	20.	0.02
MILE	53.10	793.80	2961.	0.34	8800.	561.	5.96	0.0200	266.	21.	0.01
MILE	51.00	793.79	3314.	0.35	9529.	911.	6.08	0.0200	319.	24.	0.02
MILE	48.30	793.77	3888.	0.31	12742.	1608.	4.92	0.0200	319.	25.	0.02
MILE	46.20	793.75	4331.	0.28	15323.	1799.	6.69	0.0200	279.	32.	0.02
MILE	44.10	793.74	4848.	0.18	27302.	1493.	8.00	0.0300	166.	39.	0.01
MILE	43.70	793.74	4941.	0.35	14162.	1351.	8.25	0.0300	140.	41.	0.02
MILE	42.00	793.72	5339.	0.29	18393.	1317.	6.16	0.0300	306.	44.	0.01
MILE	39.10	793.70	6041.	0.34	17833.	1339.	7.83	0.0230	332.	43.	0.02
MILE	37.00	793.69	6624.	0.21	31310.	1108.	7.19	0.0280	206.	42.	0.01
MILE	36.00	793.68	6841.	0.35	19452.	891.	8.31	0.0280	159.	45.	0.01
MILE	34.60	793.67	7135.	0.24	29662.	1213.	9.59	0.0280	159.	45.	0.01
MILE	33.60	793.67	7455.	0.12	61039.	2117.	8.04	0.0290	206.	51.	0.00
MILE	31.50	793.66	8314.	0.28	30151.	1736.	10.32	0.0250	233.	55.	0.01
MILE	30.10	793.66	8642.	0.27	31710.	872.	9.84	0.0200	166.	53.	0.01
MILE	29.00	793.65	8895.	0.25	35409.	1042.	10.72	0.0200	186.	54.	0.01
MILE	27.30	793.65	9374.	0.26	36757.	1041.	11.12	0.0230	252.	57.	0.01
MILE	25.20	793.63	9988.	0.22	45571.	1039.	11.95	0.0230	279.	59.	0.01
MILE	23.10	793.63	10489.	0.28	37479.	1069.	11.37	0.0230	279.	64.	0.01

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.52	2000.	2.78	720.	271.	2.18	0.0290	271.	4.	0.30.
MILE	77.70	817.30	2279.	2.08	1095.	194.	2.58	0.0400	271.	7.	0.15
MILE	75.60	811.58	2554.	2.08	1226.	183.	2.79	0.0400	271.	5.	0.14
MILE	73.50	808.09	2811.	1.98	1420.	169.	3.11	0.0330	271.	9.	0.12
MILE	71.40	806.52	3056.	1.60	1908.	246.	2.86	0.0400	271.	9.	0.10
MILE	69.30	803.39	3281.	2.08	1576.	294.	2.52	0.0340	271.	5.	0.16
MILE	67.20	798.49	3495.	2.17	1607.	321.	2.48	0.0340	275.	8.	0.17
MILE	65.10	794.63	3690.	1.66	2221.	339.	3.22	0.0320	276.	8.	0.11
MILE	63.00	794.26	3961.	1.12	3521.	343.	4.65	0.0400	276.	13.	0.06
MILE	60.90	793.94	4304.	0.94	4585.	355.	5.70	0.0450	276.	17.	0.05
MILE	58.80	793.78	2681.	0.47	5660.	351.	6.11	0.0400	-1744.	21.	0.02
MILE	57.00	793.77	3010.	0.48	6266.	393.	5.97	0.0200	250.	19.	0.02
MILE	55.00	793.75	3393.	0.53	6382.	454.	6.47	0.0200	256.	20.	0.03
MILE	53.10	793.74	3777.	0.43	8758.	559.	5.94	0.0200	263.	20.	0.02
MILE	51.00	793.72	4256.	0.45	9494.	909.	6.08	0.0200	315.	24.	0.02
MILE	48.30	793.70	5043.	0.40	12670.	1604.	4.92	0.0200	315.	25.	0.02
MILE	46.20	793.68	5856.	0.38	15262.	1794.	6.68	0.0200	276.	32.	0.02
MILE	44.10	793.68	6592.	0.24	27221.	1490.	7.98	0.0300	164.	38.	0.01
MILE	43.70	793.67	6717.	0.48	14126.	1348.	8.26	0.0300	138.	41.	0.03
MILE	42.00	793.65	7229.	0.39	18307.	1314.	6.16	0.0300	302.	44.	0.02
MILE	39.10	793.62	8135.	0.46	17768.	1335.	7.82	0.0230	329.	43.	0.02
MILE	37.00	793.60	8854.	0.28	31180.	1104.	7.17	0.0280	204.	42.	0.01
MILE	36.00	793.60	9073.	0.47	19386.	889.	8.30	0.0280	158.	45.	0.02
MILE	34.60	793.59	9322.	0.32	29581.	1209.	9.58	0.0280	158.	45.	0.01
MILE	33.60	793.59	9657.	0.16	60822.	2111.	8.03	0.0290	204.	51.	0.01
MILE	31.50	793.58	10661.	0.35	30078.	1731.	10.31	0.0250	230.	55.	0.01
MILE	30.10	793.58	10919.	0.35	31626.	870.	9.83	0.0200	164.	53.	0.01
MILE	29.00	793.57	11135.	0.32	35329.	1039.	10.71	0.0200	184.	54.	0.01
MILE	27.30	793.57	11615.	0.32	36679.	1038.	11.11	0.0230	250.	56.	0.01
MILE	25.20	793.55	12335.	0.27	45485.	1036.	11.94	0.0230	276.	59.	0.01
MILE	23.10	793.55	12804.	0.34	37404.	1066.	11.36	0.0230	276.	64.	0.01

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	824.67	4266.	3.24	1316.	314.	2.83	0.0290	261.	6.	0.28
MILE	77.70	818.99	4121.	2.60	1583.	245.	2.99	0.0400	261.	8.	0.18
MILE	75.60	812.20	3385.	2.43	1393.	199.	3.01	0.0400	261.	6.	0.16
MILE	73.50	808.24	3080.	2.11	1459.	172.	3.16	0.0330	261.	9.	0.13
MILE	71.40	806.58	3143.	1.63	1932.	247.	2.88	0.0400	261.	9.	0.10

MILE	69.30	803.42	3331.	2.09	1592.	296.	2.54	0.0340	261.	5.	0.16
MILE	67.20	798.53	3556.	2.18	1631.	323.	2.49	0.0340	264.	8.	0.17
MILE	65.10	794.61	3788.	1.71	2211.	338.	3.22	0.0320	265.	8.	0.12
MILE	63.00	794.20	4127.	1.18	3499.	343.	4.64	0.0400	265.	13.	0.07
MILE	60.90	793.84	4513.	0.99	4550.	353.	5.67	0.0450	265.	17.	0.05
MILE	58.80	793.65	2933.	0.52	5613.	350.	6.09	0.0400	-1754.	21.	0.02
MILE	57.00	793.64	3297.	0.53	6212.	391.	5.94	0.0200	239.	19.	0.02
MILE	55.00	793.62	3717.	0.59	6335.	453.	6.45	0.0200	246.	20.	0.03
MILE	53.10	793.61	4139.	0.48	8683.	557.	5.92	0.0200	252.	20.	0.02
MILE	51.00	793.60	4695.	0.50	9433.	905.	6.06	0.0200	302.	24.	0.03
MILE	48.30	793.58	5682.	0.45	12542.	1597.	4.93	0.0200	302.	25.	0.03
MILE	46.20	793.57	6607.	0.44	15162.	1787.	6.66	0.0200	265.	32.	0.03
MILE	44.10	793.56	7517.	0.28	27090.	1484.	7.97	0.0300	158.	38.	0.01
MILE	43.70	793.56	7670.	0.55	14069.	1342.	8.26	0.0300	132.	41.	0.03
MILE	42.00	793.54	8287.	0.46	18178.	1309.	6.16	0.0300	290.	44.	0.02
MILE	39.10	793.51	9315.	0.53	17681.	1330.	7.81	0.0230	315.	43.	0.03
MILE	37.00	793.50	10036.	0.32	31018.	1101.	7.15	0.0280	195.	42.	0.01
MILE	36.00	793.50	10301.	0.53	19306.	885.	8.30	0.0280	151.	44.	0.02
MILE	34.60	793.49	10643.	0.36	29482.	1205.	9.56	0.0280	151.	45.	0.01
MILE	33.60	793.49	10999.	0.18	60558.	2104.	8.01	0.0290	195.	51.	0.01
MILE	31.50	793.49	11931.	0.40	29995.	1726.	10.30	0.0250	221.	55.	0.02
MILE	30.10	793.48	12322.	0.39	31527.	867.	9.81	0.0200	158.	53.	0.01
MILE	29.00	793.48	12585.	0.36	35234.	1035.	10.69	0.0200	176.	54.	0.01
MILE	27.30	793.48	13035.	0.36	36591.	1035.	11.10	0.0230	239.	56.	0.01
MILE	25.20	793.47	13629.	0.30	45398.	1033.	11.92	0.0230	265.	59.	0.01
MILE	23.10	793.47	14160.	0.38	37328.	1063.	11.35	0.0230	265.	63.	0.01

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TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.04	2000.	3.31	604.	261.	2.01	0.0290	252.	3.	0.38
MILE	77.70	818.18	2789.	2.08	1342.	221.	2.80	0.0400	252.	7.	0.15
MILE	75.60	812.85	3701.	2.36	1570.	215.	3.24	0.0400	252.	6.	0.15
MILE	73.50	808.87	3896.	2.40	1626.	185.	3.35	0.0330	252.	10.	0.14
MILE	71.40	806.99	3791.	1.81	2095.	255.	3.03	0.0400	252.	9.	0.11
MILE	69.30	803.57	3618.	2.18	1657.	300.	2.59	0.0340	252.	5.	0.16
MILE	67.20	798.58	3653.	2.21	1654.	326.	2.50	0.0340	253.	8.	0.17
MILE	65.10	794.53	3854.	1.76	2184.	335.	3.19	0.0320	253.	8.	0.12
MILE	63.00	794.09	4210.	1.22	3464.	341.	4.62	0.0400	253.	13.	0.07
MILE	60.90	793.71	4607.	1.02	4506.	352.	5.64	0.0450	253.	17.	0.05
MILE	58.80	793.51	3015.	0.54	5562.	348.	6.07	0.0400	-1765.	20.	0.02
MILE	57.00	793.50	3366.	0.55	6152.	389.	5.91	0.0200	229.	19.	0.02
MILE	55.00	793.48	3775.	0.60	6283.	450.	6.43	0.0200	235.	20.	0.03
MILE	53.10	793.47	4197.	0.49	8601.	554.	5.89	0.0200	241.	20.	0.02
MILE	51.00	793.46	4759.	0.51	9364.	901.	6.04	0.0200	290.	24.	0.03
MILE	48.30	793.45	5741.	0.46	12401.	1590.	4.93	0.0200	290.	25.	0.03

MILE	46.20	793.44	6650.	0.44	15049.	1779.	6.64	0.0200	253.	32.	0.03
MILE	44.10	793.44	7533.	0.28	26940.	1477.	7.94	0.0300	151.	38.	0.01
MILE	43.70	793.43	7681.	0.55	14005.	1336.	8.27	0.0300	127.	40.	0.03
MILE	42.00	793.42	8266.	0.46	18036.	1303.	6.17	0.0300	277.	43.	0.02
MILE	39.10	793.40	9193.	0.52	17592.	1325.	7.80	0.0230	302.	42.	0.03
MILE	37.00	793.40	9716.	0.31	30850.	1097.	7.13	0.0280	187.	42.	0.01
MILE	36.00	793.39	9987.	0.52	19225.	882.	8.29	0.0280	145.	44.	0.02
MILE	34.60	793.39	10404.	0.35	29385.	1201.	9.55	0.0280	145.	45.	0.01
MILE	33.60	793.39	10716.	0.18	60304.	2097.	7.99	0.0290	187.	50.	0.01
MILE	31.50	793.40	11327.	0.38	29915.	1720.	10.29	0.0250	211.	55.	0.02
MILE	30.10	793.39	11808.	0.38	31434.	864.	9.79	0.0200	151.	53.	0.01
MILE	29.00	793.39	12087.	0.34	35147.	1032.	10.68	0.0200	169.	54.	0.01
MILE	27.30	793.39	12424.	0.34	36512.	1032.	11.08	0.0230	229.	56.	0.01
MILE	25.20	793.40	12779.	0.28	45320.	1031.	11.91	0.0230	253.	59.	0.01
MILE	23.10	793.40	13329.	0.36	37261.	1061.	11.34	0.0230	253.	63.	0.01

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TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.17	2000.	3.16	634.	264.	2.05	0.0290	245.	3.	0.36
MILE	77.70	817.37	2274.	2.04	1115.	196.	2.60	0.0400	245.	7.	0.15
MILE	75.60	812.09	2793.	2.05	1364.	196.	2.97	0.0400	245.	6.	0.14
MILE	73.50	808.76	3418.	2.14	1595.	183.	3.32	0.0330	245.	10.	0.13
MILE	71.40	807.18	3847.	1.77	2172.	258.	3.10	0.0400	245.	9.	0.11
MILE	69.30	803.86	4065.	2.27	1790.	310.	2.68	0.0340	245.	5.	0.17
MILE	67.20	798.81	4064.	2.29	1773.	337.	2.55	0.0340	247.	8.	0.18
MILE	65.10	794.51	4069.	1.87	2173.	334.	3.18	0.0320	247.	8.	0.13
MILE	63.00	794.01	4332.	1.26	3435.	340.	4.60	0.0400	247.	13.	0.07
MILE	60.90	793.59	4669.	1.05	4467.	350.	5.61	0.0450	247.	17.	0.05
MILE	58.80	793.38	3029.	0.55	5516.	346.	6.06	0.0400	-1771.	20.	0.02
MILE	57.00	793.37	3341.	0.55	6099.	388.	5.88	0.0200	223.	19.	0.02
MILE	55.00	793.36	3706.	0.59	6238.	448.	6.42	0.0200	229.	20.	0.03
MILE	53.10	793.35	4073.	0.48	8528.	552.	5.87	0.0200	235.	20.	0.02
MILE	51.00	793.35	4535.	0.49	9306.	897.	6.02	0.0200	282.	24.	0.03
MILE	48.30	793.34	5282.	0.43	12286.	1584.	4.94	0.0200	282.	24.	0.03
MILE	46.20	793.34	5996.	0.40	14958.	1773.	6.62	0.0200	247.	32.	0.02
MILE	44.10	793.34	6675.	0.25	26820.	1472.	7.93	0.0300	147.	38.	0.01
MILE	43.70	793.34	6791.	0.49	13955.	1332.	8.28	0.0300	123.	40.	0.03
MILE	42.00	793.33	7256.	0.40	17927.	1299.	6.17	0.0300	270.	43.	0.02
MILE	39.10	793.31	8108.	0.46	17523.	1321.	7.79	0.0230	294.	42.	0.02
MILE	37.00	793.31	8687.	0.28	30709.	1093.	7.11	0.0280	182.	42.	0.01
MILE	36.00	793.31	9004.	0.47	19156.	880.	8.28	0.0280	141.	44.	0.02
MILE	34.60	793.30	9504.	0.32	29298.	1197.	9.54	0.0280	141.	45.	0.01
MILE	33.60	793.31	9866.	0.16	60067.	2091.	7.97	0.0290	182.	50.	0.01
MILE	31.50	793.31	10511.	0.35	29834.	1715.	10.27	0.0250	206.	55.	0.01
MILE	30.10	793.30	11029.	0.35	31341.	861.	9.78	0.0200	147.	53.	0.01

MILE	29.00	793.30	11355.	0.32	35057.	1029.	10.66	0.0200	164.	54.	0.01
MILE	27.30	793.30	11806.	0.32	36421.	1029.	11.07	0.0230	223.	56.	0.01
MILE	25.20	793.31	12257.	0.27	45214.	1027.	11.90	0.0230	247.	59.	0.01
MILE	23.10	793.30	12887.	0.35	37167.	1057.	11.32	0.0230	247.	63.	0.01

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TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.42	2000.	2.88	695.	269.	2.15	0.0290	239.	4.	0.32
MILE	77.70	817.19	2193.	2.06	1066.	191.	2.55	0.0400	239.	6.	0.15
MILE	75.60	811.56	2440.	2.00	1222.	183.	2.78	0.0400	239.	5.	0.14
MILE	73.50	808.34	2910.	1.96	1487.	174.	3.19	0.0330	239.	9.	0.12
MILE	71.40	806.89	3385.	1.65	2056.	253.	3.00	0.0400	239.	9.	0.10
MILE	69.30	803.80	3865.	2.19	1761.	308.	2.66	0.0340	239.	5.	0.16
MILE	67.20	798.97	4232.	2.28	1855.	344.	2.58	0.0340	240.	8.	0.17
MILE	65.10	794.57	4366.	1.99	2198.	337.	3.21	0.0320	240.	8.	0.14
MILE	63.00	794.01	4562.	1.33	3435.	340.	4.60	0.0400	240.	13.	0.07
MILE	60.90	793.55	4806.	1.08	4453.	350.	5.60	0.0450	240.	17.	0.05
MILE	58.80	793.33	3075.	0.56	5495.	346.	6.05	0.0400	-1777.	20.	0.02
MILE	57.00	793.31	3316.	0.55	6073.	387.	5.87	0.0200	217.	19.	0.02
MILE	55.00	793.30	3597.	0.58	6215.	447.	6.41	0.0200	223.	20.	0.03
MILE	53.10	793.29	3884.	0.46	8489.	551.	5.86	0.0200	229.	20.	0.02
MILE	51.00	793.28	4264.	0.46	9271.	895.	6.01	0.0200	274.	24.	0.03
MILE	48.30	793.26	4983.	0.41	12204.	1580.	4.94	0.0200	274.	24.	0.03
MILE	46.20	793.25	5660.	0.38	14884.	1768.	6.60	0.0200	240.	31.	0.02
MILE	44.10	793.25	6337.	0.24	26714.	1468.	7.91	0.0300	143.	38.	0.01
MILE	43.70	793.25	6455.	0.46	13909.	1328.	8.29	0.0300	120.	40.	0.03
MILE	42.00	793.24	6951.	0.39	17817.	1295.	6.17	0.0300	263.	43.	0.02
MILE	39.10	793.22	7790.	0.45	17444.	1316.	7.78	0.0230	286.	42.	0.02
MILE	37.00	793.21	8289.	0.27	30551.	1089.	7.08	0.0280	177.	42.	0.01
MILE	36.00	793.21	8512.	0.45	19080.	877.	8.27	0.0280	137.	44.	0.02
MILE	34.60	793.21	8849.	0.30	29205.	1193.	9.52	0.0280	137.	45.	0.01
MILE	33.60	793.21	9164.	0.15	59814.	2084.	7.95	0.0290	177.	50.	0.01
MILE	31.50	793.21	9908.	0.33	29746.	1709.	10.26	0.0250	200.	54.	0.01
MILE	30.10	793.21	10289.	0.33	31242.	858.	9.76	0.0200	143.	52.	0.01
MILE	29.00	793.21	10550.	0.30	34966.	1026.	10.65	0.0200	160.	54.	0.01
MILE	27.30	793.21	10981.	0.30	36329.	1025.	11.06	0.0230	217.	56.	0.01
MILE	25.20	793.21	11489.	0.25	45107.	1023.	11.89	0.0230	240.	59.	0.01
MILE	23.10	793.21	11970.	0.32	37082.	1054.	11.31	0.0230	240.	63.	0.01

0DATE 5-07-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.59	2000.	2.71	739.	272.	2.21	0.0290	259.	4.	0.29
MILE	77.70	817.19	2205.	2.07	1068.	191.	2.55	0.0400	259.	6.	0.15
MILE	75.60	811.45	2426.	2.03	1192.	180.	2.74	0.0400	259.	5.	0.14
MILE	73.50	808.10	2730.	1.92	1423.	169.	3.12	0.0330	259.	9.	0.12
MILE	71.40	806.62	3092.	1.59	1949.	248.	2.90	0.0400	259.	9.	0.10
MILE	69.30	803.59	3523.	2.11	1666.	301.	2.59	0.0340	259.	5.	0.16
MILE	67.20	798.83	3956.	2.22	1784.	338.	2.55	0.0340	263.	8.	0.17
MILE	65.10	794.58	4346.	1.97	2202.	337.	3.21	0.0320	264.	8.	0.14
MILE	63.00	794.01	4649.	1.35	3438.	340.	4.61	0.0400	264.	13.	0.07
MILE	60.90	793.52	4965.	1.12	4445.	350.	5.60	0.0450	264.	17.	0.06
MILE	58.80	793.28	3307.	0.60	5478.	345.	6.05	0.0400	-1755.	20.	0.03
MILE	57.00	793.26	3600.	0.59	6052.	386.	5.86	0.0200	239.	18.	0.03
MILE	55.00	793.24	3928.	0.63	6194.	447.	6.40	0.0200	245.	20.	0.03
MILE	53.10	793.23	4253.	0.50	8453.	550.	5.85	0.0200	251.	20.	0.02
MILE	51.00	793.21	4651.	0.50	9238.	893.	6.00	0.0200	302.	24.	0.03
MILE	48.30	793.19	5238.	0.43	12135.	1576.	4.94	0.0200	302.	24.	0.03
MILE	46.20	793.18	5763.	0.39	14826.	1763.	6.59	0.0200	264.	31.	0.02
MILE	44.10	793.18	6322.	0.24	26634.	1464.	7.90	0.0300	157.	38.	0.01
MILE	43.70	793.18	6418.	0.46	13875.	1324.	8.30	0.0300	132.	40.	0.03
MILE	42.00	793.17	6798.	0.38	17740.	1292.	6.17	0.0300	289.	43.	0.02
MILE	39.10	793.15	7343.	0.42	17395.	1313.	7.78	0.0230	314.	42.	0.02
MILE	37.00	793.15	7823.	0.26	30451.	1087.	7.07	0.0280	195.	42.	0.01
MILE	36.00	793.15	7978.	0.42	19032.	875.	8.26	0.0280	151.	44.	0.02
MILE	34.60	793.15	8157.	0.28	29147.	1191.	9.52	0.0280	151.	45.	0.01
MILE	33.60	793.15	8384.	0.14	59658.	2079.	7.94	0.0290	195.	50.	0.00
MILE	31.50	793.15	9055.	0.30	29692.	1705.	10.25	0.0250	220.	54.	0.01
MILE	30.10	793.15	9225.	0.30	31182.	857.	9.75	0.0200	157.	52.	0.01
MILE	29.00	793.15	9387.	0.27	34910.	1023.	10.64	0.0200	176.	53.	0.01
MILE	27.30	793.15	9751.	0.27	36274.	1023.	11.05	0.0230	239.	56.	0.01
MILE	25.20	793.15	10288.	0.23	45042.	1021.	11.88	0.0230	264.	59.	0.01
MILE	23.10	793.15	10678.	0.29	37025.	1052.	11.30	0.0230	264.	63.	0.01

0DATE 5-07-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.64	2000.	2.66	751.	273.	2.22	0.0290	279.	4.	0.28
MILE	77.70	817.26	2258.	2.08	1087.	193.	2.57	0.0400	279.	7.	0.15
MILE	75.60	811.52	2501.	2.07	1209.	182.	2.76	0.0400	279.	5.	0.14
MILE	73.50	808.05	2741.	1.94	1410.	168.	3.10	0.0330	279.	9.	0.12
MILE	71.40	806.52	3016.	1.58	1907.	246.	2.86	0.0400	279.	9.	0.10
MILE	69.30	803.45	3334.	2.08	1602.	296.	2.54	0.0340	279.	5.	0.16
MILE	67.20	798.66	3705.	2.19	1694.	329.	2.51	0.0340	287.	8.	0.17
MILE	65.10	794.49	4148.	1.92	2165.	334.	3.18	0.0320	288.	7.	0.13

MILE	63.00	793.94	4568.	1.34	3411.	339.	4.59	0.0400	288.	13.	0.07
MILE	60.90	793.45	4951.	1.12	4420.	349.	5.58	0.0450	288.	17.	0.06
MILE	58.80	793.21	3307.	0.61	5452.	344.	6.04	0.0400	-1733.	20.	0.03
MILE	57.00	793.20	3611.	0.60	6023.	385.	5.84	0.0200	260.	18.	0.03
MILE	55.00	793.18	3957.	0.64	6172.	446.	6.39	0.0200	267.	20.	0.03
MILE	53.10	793.17	4281.	0.51	8420.	549.	5.84	0.0200	274.	20.	0.02
MILE	51.00	793.16	4640.	0.50	9215.	891.	6.00	0.0200	329.	24.	0.03
MILE	48.30	793.16	5125.	0.42	12096.	1574.	4.95	0.0200	329.	24.	0.03
MILE	46.20	793.15	5613.	0.38	14795.	1761.	6.59	0.0200	288.	31.	0.02
MILE	44.10	793.15	6045.	0.23	26595.	1462.	7.89	0.0300	171.	38.	0.01
MILE	43.70	793.15	6124.	0.44	13859.	1323.	8.30	0.0300	144.	40.	0.02
MILE	42.00	793.14	6460.	0.36	17704.	1290.	6.17	0.0300	315.	43.	0.02
MILE	39.10	793.12	7052.	0.41	17368.	1312.	7.77	0.0230	343.	42.	0.02
MILE	37.00	793.12	7522.	0.25	30395.	1086.	7.06	0.0280	212.	42.	0.01
MILE	36.00	793.11	7684.	0.40	19004.	874.	8.26	0.0280	164.	44.	0.02
MILE	34.60	793.11	7880.	0.27	29109.	1189.	9.51	0.0280	164.	45.	0.01
MILE	33.60	793.11	8104.	0.14	59551.	2077.	7.93	0.0290	212.	50.	0.00
MILE	31.50	793.11	8751.	0.30	29657.	1703.	10.25	0.0250	240.	54.	0.01
MILE	30.10	793.11	8966.	0.29	31138.	855.	9.74	0.0200	171.	52.	0.01
MILE	29.00	793.11	9148.	0.26	34865.	1022.	10.63	0.0200	192.	53.	0.01
MILE	27.30	793.10	9515.	0.26	36229.	1022.	11.04	0.0230	260.	56.	0.01
MILE	25.20	793.10	10068.	0.22	44992.	1020.	11.87	0.0230	288.	59.	0.01
MILE	23.10	793.10	10492.	0.28	36978.	1050.	11.29	0.0230	288.	63.	0.01

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TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.61	2000.	2.69	744.	273.	2.21	0.0290	275.	4.	0.29
MILE	77.70	817.30	2280.	2.08	1097.	194.	2.58	0.0400	275.	7.	0.15
MILE	75.60	811.58	2546.	2.08	1225.	183.	2.79	0.0400	275.	5.	0.14
MILE	73.50	808.07	2788.	1.97	1415.	169.	3.11	0.0330	275.	9.	0.12
MILE	71.40	806.51	3036.	1.59	1905.	246.	2.86	0.0400	275.	9.	0.10
MILE	69.30	803.41	3298.	2.08	1584.	295.	2.53	0.0340	275.	5.	0.16
MILE	67.20	798.56	3599.	2.19	1645.	325.	2.49	0.0340	280.	8.	0.17
MILE	65.10	794.36	3983.	1.88	2117.	329.	3.14	0.0320	281.	7.	0.13
MILE	63.00	793.84	4388.	1.30	3377.	337.	4.57	0.0400	281.	13.	0.07
MILE	60.90	793.39	4743.	1.08	4399.	348.	5.56	0.0450	281.	17.	0.05
MILE	58.80	793.17	3073.	0.57	5437.	344.	6.03	0.0400	-1739.	20.	0.03
MILE	57.00	793.16	3355.	0.56	6006.	385.	5.83	0.0200	254.	18.	0.02
MILE	55.00	793.14	3672.	0.60	6158.	445.	6.39	0.0200	261.	20.	0.03
MILE	53.10	793.14	3983.	0.47	8399.	548.	5.83	0.0200	268.	20.	0.02
MILE	51.00	793.13	4361.	0.47	9197.	890.	5.99	0.0200	321.	24.	0.03
MILE	48.30	793.12	4959.	0.41	12056.	1572.	4.95	0.0200	321.	24.	0.03
MILE	46.20	793.11	5457.	0.37	14761.	1759.	6.58	0.0200	281.	31.	0.02
MILE	44.10	793.11	6007.	0.23	26546.	1460.	7.89	0.0300	167.	38.	0.01
MILE	43.70	793.10	6107.	0.44	13838.	1321.	8.30	0.0300	141.	40.	0.02

MILE	42.00	793.09	6539.	0.37	17652.	1288.	6.17	0.0300	308.	43.	0.02
MILE	39.10	793.07	7365.	0.43	17325.	1309.	7.77	0.0230	335.	42.	0.02
MILE	37.00	793.06	8007.	0.26	30299.	1083.	7.05	0.0280	207.	42.	0.01
MILE	36.00	793.05	8291.	0.44	18954.	872.	8.26	0.0280	161.	44.	0.02
MILE	34.60	793.04	8700.	0.30	29041.	1186.	9.50	0.0280	161.	45.	0.01
MILE	33.60	793.04	9061.	0.15	59365.	2071.	7.92	0.0290	207.	50.	0.01
MILE	31.50	793.04	9894.	0.33	29594.	1699.	10.24	0.0250	234.	54.	0.01
MILE	30.10	793.03	10365.	0.33	31056.	853.	9.73	0.0200	167.	52.	0.01
MILE	29.00	793.03	10673.	0.31	34783.	1019.	10.62	0.0200	187.	53.	0.01
MILE	27.30	793.02	11147.	0.31	36148.	1019.	11.03	0.0230	254.	56.	0.01
MILE	25.20	793.02	11707.	0.26	44902.	1017.	11.86	0.0230	281.	59.	0.01
MILE	23.10	793.01	12309.	0.33	36893.	1046.	11.27	0.0230	281.	63.	0.01

0DATE 5-07-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.61	2000.	2.69	743.	273.	2.21	0.0290	272.	4.	0.29
MILE	77.70	817.30	2272.	2.07	1095.	194.	2.58	0.0400	272.	7.	0.15
MILE	75.60	811.58	2543.	2.07	1227.	183.	2.79	0.0400	272.	5.	0.14
MILE	73.50	808.08	2805.	1.98	1419.	169.	3.11	0.0330	272.	9.	0.12
MILE	71.40	806.53	3063.	1.60	1911.	246.	2.87	0.0400	272.	9.	0.10
MILE	69.30	803.41	3320.	2.09	1587.	295.	2.53	0.0340	272.	5.	0.16
MILE	67.20	798.54	3590.	2.20	1633.	324.	2.49	0.0340	274.	8.	0.17
MILE	65.10	794.27	3902.	1.87	2084.	326.	3.11	0.0320	274.	7.	0.13
MILE	63.00	793.76	4257.	1.27	3352.	336.	4.56	0.0400	274.	13.	0.07
MILE	60.90	793.33	4603.	1.05	4380.	347.	5.55	0.0450	274.	17.	0.05
MILE	58.80	793.12	2939.	0.54	5420.	343.	6.02	0.0400	-1745.	20.	0.02
MILE	57.00	793.11	3231.	0.54	5986.	384.	5.82	0.0200	248.	18.	0.02
MILE	55.00	793.09	3575.	0.58	6139.	444.	6.38	0.0200	255.	20.	0.03
MILE	53.10	793.08	3938.	0.47	8365.	547.	5.82	0.0200	261.	20.	0.02
MILE	51.00	793.06	4423.	0.48	9165.	888.	5.98	0.0200	314.	24.	0.03
MILE	48.30	793.04	5300.	0.44	11979.	1567.	4.95	0.0200	314.	24.	0.03
MILE	46.20	793.03	6119.	0.42	14689.	1754.	6.56	0.0200	274.	31.	0.03
MILE	44.10	793.02	6910.	0.26	26443.	1456.	7.87	0.0300	163.	38.	0.01
MILE	43.70	793.01	7046.	0.51	13794.	1317.	8.31	0.0300	137.	40.	0.03
MILE	42.00	793.00	7606.	0.43	17543.	1284.	6.18	0.0300	300.	43.	0.02
MILE	39.10	792.96	8583.	0.50	17242.	1304.	7.76	0.0230	327.	42.	0.02
MILE	37.00	792.96	9142.	0.30	30136.	1080.	7.02	0.0280	202.	42.	0.01
MILE	36.00	792.95	9435.	0.50	18874.	868.	8.25	0.0280	157.	44.	0.02
MILE	34.60	792.94	9896.	0.34	28941.	1182.	9.49	0.0280	157.	44.	0.01
MILE	33.60	792.94	10255.	0.17	59097.	2064.	7.90	0.0290	202.	50.	0.01
MILE	31.50	792.94	10974.	0.37	29505.	1693.	10.22	0.0250	229.	54.	0.02
MILE	30.10	792.93	11503.	0.37	30953.	850.	9.71	0.0200	163.	52.	0.01
MILE	29.00	792.93	11821.	0.34	34685.	1015.	10.60	0.0200	183.	53.	0.01
MILE	27.30	792.92	12238.	0.34	36053.	1015.	11.01	0.0230	248.	56.	0.01
MILE	25.20	792.93	12682.	0.28	44802.	1013.	11.85	0.0230	274.	58.	0.01

MILE 23.10 792.92 13286. 0.36 36808. 1043. 11.26 0.0230 274. 63. 0.01

0DATE 5-07-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.63	2000.	2.68	747.	273.	2.22	0.0290	263.	4.	0.29
MILE	77.70	817.28	2262.	2.07	1091.	193.	2.57	0.0400	263.	7.	0.15
MILE	75.60	811.57	2528.	2.07	1223.	183.	2.78	0.0400	263.	5.	0.14
MILE	73.50	808.08	2799.	1.97	1418.	169.	3.11	0.0330	263.	9.	0.12
MILE	71.40	806.54	3068.	1.60	1913.	246.	2.87	0.0400	263.	9.	0.10
MILE	69.30	803.42	3336.	2.10	1592.	296.	2.54	0.0340	263.	5.	0.16
MILE	67.20	798.54	3601.	2.20	1633.	324.	2.49	0.0340	264.	8.	0.17
MILE	65.10	794.21	3879.	1.88	2060.	324.	3.09	0.0320	265.	7.	0.13
MILE	63.00	793.68	4239.	1.27	3327.	335.	4.54	0.0400	265.	13.	0.07
MILE	60.90	793.23	4635.	1.07	4348.	346.	5.53	0.0450	265.	17.	0.05
MILE	58.80	793.00	3053.	0.57	5379.	342.	6.01	0.0400	-1754.	20.	0.03
MILE	57.00	792.99	3413.	0.58	5936.	382.	5.80	0.0200	239.	18.	0.03
MILE	55.00	792.97	3828.	0.63	6096.	442.	6.36	0.0200	246.	19.	0.03
MILE	53.10	792.96	4244.	0.51	8294.	544.	5.79	0.0200	252.	20.	0.02
MILE	51.00	792.95	4777.	0.52	9106.	884.	5.97	0.0200	302.	24.	0.03
MILE	48.30	792.93	5674.	0.48	11865.	1561.	4.96	0.0200	302.	24.	0.03
MILE	46.20	792.92	6517.	0.45	14592.	1747.	6.55	0.0200	265.	31.	0.03
MILE	44.10	792.91	7338.	0.28	26316.	1450.	7.85	0.0300	157.	38.	0.01
MILE	43.70	792.91	7475.	0.54	13741.	1312.	8.32	0.0300	132.	40.	0.03
MILE	42.00	792.89	8011.	0.46	17426.	1279.	6.18	0.0300	290.	43.	0.02
MILE	39.10	792.87	8863.	0.52	17167.	1300.	7.75	0.0230	315.	42.	0.03
MILE	37.00	792.87	9406.	0.31	29989.	1076.	7.00	0.0280	195.	42.	0.01
MILE	36.00	792.86	9674.	0.51	18804.	866.	8.24	0.0280	151.	44.	0.02
MILE	34.60	792.86	10074.	0.35	28858.	1178.	9.48	0.0280	151.	44.	0.01
MILE	33.60	792.86	10381.	0.18	58875.	2058.	7.88	0.0290	195.	50.	0.01
MILE	31.50	792.85	10982.	0.37	29431.	1688.	10.21	0.0250	220.	54.	0.02
MILE	30.10	792.85	11385.	0.37	30872.	847.	9.69	0.0200	157.	52.	0.01
MILE	29.00	792.85	11648.	0.34	34611.	1013.	10.59	0.0200	176.	53.	0.01
MILE	27.30	792.85	12025.	0.33	35983.	1013.	11.00	0.0230	239.	56.	0.01
MILE	25.20	792.85	12436.	0.28	44722.	1011.	11.84	0.0230	265.	58.	0.01
MILE	23.10	792.85	12958.	0.35	36741.	1040.	11.25	0.0230	265.	63.	0.01

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TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE 79.80 822.64 2000. 2.66 751. 273. 2.22 0.0290 255. 4. 0.28

MILE	77.70	817.27	2255.	2.07	1088.	193.	2.57	0.0400	255.	7.	0.15
MILE	75.60	811.55	2515.	2.06	1218.	182.	2.77	0.0400	255.	5.	0.14
MILE	73.50	808.06	2783.	1.97	1414.	168.	3.10	0.0330	255.	9.	0.12
MILE	71.40	806.52	3053.	1.60	1908.	246.	2.86	0.0400	255.	9.	0.10
MILE	69.30	803.42	3322.	2.09	1588.	295.	2.53	0.0340	255.	5.	0.16
MILE	67.20	798.52	3586.	2.21	1626.	323.	2.49	0.0340	255.	8.	0.17
MILE	65.10	794.12	3866.	1.91	2027.	321.	3.06	0.0320	255.	7.	0.13
MILE	63.00	793.57	4248.	1.29	3289.	334.	4.52	0.0400	255.	13.	0.07
MILE	60.90	793.10	4639.	1.08	4304.	345.	5.49	0.0450	255.	17.	0.05
MILE	58.80	792.87	3025.	0.57	5331.	340.	5.99	0.0400	-1763.	20.	0.03
MILE	57.00	792.86	3358.	0.57	5881.	380.	5.77	0.0200	231.	18.	0.03
MILE	55.00	792.85	3741.	0.62	6050.	440.	6.34	0.0200	237.	19.	0.03
MILE	53.10	792.84	4120.	0.50	8222.	542.	5.77	0.0200	243.	20.	0.02
MILE	51.00	792.83	4592.	0.51	9049.	881.	5.95	0.0200	291.	24.	0.03
MILE	48.30	792.82	5377.	0.46	11759.	1555.	4.97	0.0200	291.	24.	0.03
MILE	46.20	792.81	6120.	0.42	14506.	1741.	6.53	0.0200	255.	31.	0.03
MILE	44.10	792.82	6823.	0.26	26202.	1445.	7.84	0.0300	152.	38.	0.01
MILE	43.70	792.81	6945.	0.51	13694.	1307.	8.33	0.0300	127.	40.	0.03
MILE	42.00	792.80	7447.	0.43	17325.	1275.	6.18	0.0300	279.	43.	0.02
MILE	39.10	792.78	8345.	0.49	17098.	1296.	7.74	0.0230	303.	42.	0.02
MILE	37.00	792.78	8987.	0.30	29847.	1073.	6.98	0.0280	188.	41.	0.01
MILE	36.00	792.77	9240.	0.49	18736.	863.	8.23	0.0280	146.	44.	0.02
MILE	34.60	792.77	9588.	0.33	28774.	1175.	9.47	0.0280	146.	44.	0.01
MILE	33.60	792.77	9933.	0.17	58646.	2052.	7.87	0.0290	188.	50.	0.01
MILE	31.50	792.77	10791.	0.37	29351.	1682.	10.20	0.0250	212.	54.	0.02
MILE	30.10	792.77	11158.	0.36	30782.	845.	9.68	0.0200	152.	52.	0.01
MILE	29.00	792.77	11427.	0.33	34526.	1010.	10.58	0.0200	170.	53.	0.01
MILE	27.30	792.76	11912.	0.33	35897.	1010.	10.99	0.0230	231.	56.	0.01
MILE	25.20	792.76	12515.	0.28	44622.	1007.	11.82	0.0230	255.	58.	0.01
MILE	23.10	792.76	13015.	0.36	36656.	1037.	11.24	0.0230	255.	63.	0.01

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TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.65	2000.	2.66	752.	273.	2.22	0.0290	246.	4.	0.28
MILE	77.70	817.26	2249.	2.07	1086.	193.	2.57	0.0400	246.	7.	0.15
MILE	75.60	811.53	2502.	2.06	1213.	182.	2.77	0.0400	246.	5.	0.14
MILE	73.50	808.04	2763.	1.96	1408.	168.	3.10	0.0330	246.	9.	0.12
MILE	71.40	806.50	3024.	1.59	1899.	245.	2.85	0.0400	246.	9.	0.10
MILE	69.30	803.39	3287.	2.08	1578.	295.	2.53	0.0340	246.	5.	0.16
MILE	67.20	798.49	3551.	2.20	1611.	322.	2.48	0.0340	246.	8.	0.17
MILE	65.10	794.03	3835.	1.92	1992.	317.	3.03	0.0320	246.	7.	0.14
MILE	63.00	793.47	4192.	1.29	3255.	332.	4.50	0.0400	246.	12.	0.07
MILE	60.90	793.00	4537.	1.06	4271.	343.	5.47	0.0450	246.	16.	0.05
MILE	58.80	792.78	2868.	0.54	5300.	339.	5.98	0.0400	-1771.	20.	0.02
MILE	57.00	792.77	3153.	0.54	5845.	379.	5.75	0.0200	223.	18.	0.02

MILE	55.00	792.76	3482.	0.58	6019.	439.	6.33	0.0200	229.	19.	0.03
MILE	53.10	792.75	3821.	0.47	8171.	540.	5.75	0.0200	235.	19.	0.02
MILE	51.00	792.74	4270.	0.47	9005.	878.	5.94	0.0200	282.	23.	0.03
MILE	48.30	792.73	5083.	0.44	11667.	1550.	4.97	0.0200	282.	24.	0.03
MILE	46.20	792.72	5804.	0.40	14423.	1735.	6.51	0.0200	246.	31.	0.02
MILE	44.10	792.72	6538.	0.25	26085.	1440.	7.82	0.0300	147.	38.	0.01
MILE	43.70	792.71	6665.	0.49	13645.	1303.	8.34	0.0300	123.	40.	0.03
MILE	42.00	792.70	7179.	0.42	17212.	1270.	6.18	0.0300	270.	43.	0.02
MILE	39.10	792.68	7990.	0.47	17020.	1291.	7.73	0.0230	293.	42.	0.02
MILE	37.00	792.68	8566.	0.29	29695.	1069.	6.96	0.0280	182.	41.	0.01
MILE	36.00	792.68	8766.	0.47	18663.	860.	8.22	0.0280	141.	44.	0.02
MILE	34.60	792.68	9022.	0.31	28683.	1171.	9.45	0.0280	141.	44.	0.01
MILE	33.60	792.68	9325.	0.16	58402.	2045.	7.85	0.0290	182.	50.	0.01
MILE	31.50	792.67	10172.	0.35	29271.	1677.	10.19	0.0250	205.	54.	0.01
MILE	30.10	792.68	10447.	0.34	30690.	842.	9.66	0.0200	147.	52.	0.01
MILE	29.00	792.68	10659.	0.31	34439.	1006.	10.56	0.0200	164.	53.	0.01
MILE	27.30	792.68	11077.	0.31	35813.	1006.	10.98	0.0230	223.	56.	0.01
MILE	25.20	792.68	11658.	0.26	44531.	1004.	11.81	0.0230	246.	58.	0.01
MILE	23.10	792.68	12088.	0.33	36581.	1034.	11.22	0.0230	246.	63.	0.01

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TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.65	2000.	2.66	753.	274.	2.22	0.0290	238.	4.	0.28
MILE	77.70	817.25	2241.	2.07	1082.	192.	2.56	0.0400	238.	7.	0.15
MILE	75.60	811.50	2485.	2.06	1206.	181.	2.76	0.0400	238.	5.	0.14
MILE	73.50	808.01	2737.	1.96	1400.	167.	3.09	0.0330	238.	9.	0.12
MILE	71.40	806.47	2989.	1.59	1885.	245.	2.84	0.0400	238.	9.	0.10
MILE	69.30	803.36	3247.	2.08	1564.	294.	2.52	0.0340	238.	5.	0.16
MILE	67.20	798.46	3508.	2.20	1593.	320.	2.47	0.0340	238.	8.	0.17
MILE	65.10	793.95	3789.	1.93	1962.	315.	3.00	0.0320	238.	7.	0.14
MILE	63.00	793.38	4129.	1.28	3227.	331.	4.48	0.0400	238.	12.	0.07
MILE	60.90	792.92	4478.	1.06	4242.	342.	5.45	0.0450	238.	16.	0.05
MILE	58.80	792.69	2825.	0.54	5268.	338.	5.97	0.0400	-1779.	20.	0.02
MILE	57.00	792.68	3121.	0.54	5807.	378.	5.73	0.0200	215.	18.	0.02
MILE	55.00	792.67	3460.	0.58	5986.	438.	6.32	0.0200	221.	19.	0.03
MILE	53.10	792.66	3799.	0.47	8117.	539.	5.74	0.0200	227.	19.	0.02
MILE	51.00	792.65	4220.	0.47	8960.	875.	5.93	0.0200	272.	23.	0.03
MILE	48.30	792.64	4881.	0.42	11583.	1545.	4.98	0.0200	272.	24.	0.03
MILE	46.20	792.63	5502.	0.38	14350.	1729.	6.50	0.0200	238.	31.	0.02
MILE	44.10	792.64	6107.	0.23	25988.	1436.	7.80	0.0300	142.	37.	0.01
MILE	43.70	792.63	6211.	0.46	13606.	1299.	8.35	0.0300	119.	40.	0.02
MILE	42.00	792.63	6630.	0.39	17125.	1267.	6.19	0.0300	261.	43.	0.02
MILE	39.10	792.61	7323.	0.43	16963.	1288.	7.73	0.0230	283.	42.	0.02
MILE	37.00	792.61	7874.	0.27	29576.	1066.	6.94	0.0280	176.	41.	0.01
MILE	36.00	792.60	8085.	0.43	18606.	858.	8.22	0.0280	136.	44.	0.02

MILE	34.60	792.60	8363.	0.29	28611.	1168.	9.44	0.0280	136.	44.	0.01
MILE	33.60	792.60	8642.	0.15	58205.	2040.	7.83	0.0290	176.	50.	0.00
MILE	31.50	792.60	9360.	0.32	29206.	1673.	10.18	0.0250	198.	54.	0.01
MILE	30.10	792.60	9675.	0.32	30612.	840.	9.65	0.0200	142.	52.	0.01
MILE	29.00	792.60	9898.	0.29	34363.	1004.	10.55	0.0200	159.	53.	0.01
MILE	27.30	792.60	10286.	0.29	35739.	1004.	10.97	0.0230	215.	56.	0.01
MILE	25.20	792.60	10802.	0.24	44450.	1002.	11.80	0.0230	238.	58.	0.01
MILE	23.10	792.60	11285.	0.31	36505.	1031.	11.21	0.0230	238.	63.	0.01

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TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.15	4792.	3.28	1460.	323.	2.97	0.0290	232.	6.	0.27
MILE	77.70	819.33	4555.	2.70	1690.	256.	3.07	0.0400	232.	9.	0.18
MILE	75.60	812.27	3530.	2.50	1413.	201.	3.04	0.0400	232.	6.	0.17
MILE	73.50	808.14	3038.	2.12	1434.	170.	3.13	0.0330	232.	9.	0.13
MILE	71.40	806.47	3037.	1.61	1887.	245.	2.84	0.0400	232.	9.	0.10
MILE	69.30	803.34	3218.	2.07	1553.	293.	2.51	0.0340	232.	5.	0.16
MILE	67.20	798.42	3463.	2.20	1575.	318.	2.46	0.0340	232.	8.	0.17
MILE	65.10	793.87	3738.	1.94	1930.	311.	2.98	0.0320	232.	7.	0.14
MILE	63.00	793.29	4074.	1.27	3196.	330.	4.47	0.0400	232.	12.	0.07
MILE	60.90	792.83	4395.	1.04	4213.	341.	5.42	0.0450	232.	16.	0.05
MILE	58.80	792.61	2699.	0.52	5240.	337.	5.96	0.0400	-1784.	20.	0.02
MILE	57.00	792.60	2962.	0.51	5774.	377.	5.71	0.0200	210.	18.	0.02
MILE	55.00	792.59	3266.	0.55	5958.	436.	6.31	0.0200	216.	19.	0.03
MILE	53.10	792.59	3566.	0.44	8074.	537.	5.72	0.0200	221.	19.	0.02
MILE	51.00	792.58	3936.	0.44	8926.	873.	5.92	0.0200	265.	23.	0.02
MILE	48.30	792.57	4566.	0.40	11517.	1541.	4.99	0.0200	265.	24.	0.03
MILE	46.20	792.57	5169.	0.36	14291.	1725.	6.48	0.0200	232.	31.	0.02
MILE	44.10	792.57	5727.	0.22	25907.	1432.	7.79	0.0300	138.	37.	0.01
MILE	43.70	792.56	5817.	0.43	13573.	1295.	8.35	0.0300	116.	40.	0.02
MILE	42.00	792.56	6117.	0.36	17055.	1264.	6.19	0.0300	254.	43.	0.02
MILE	39.10	792.58	6106.	0.36	16937.	1287.	7.72	0.0230	276.	42.	0.02
MILE	37.00	792.61	5647.	0.19	29573.	1066.	6.94	0.0280	171.	41.	0.01
MILE	36.00	792.61	5532.	0.30	18614.	858.	8.22	0.0280	133.	44.	0.01
MILE	34.60	792.63	5410.	0.19	28634.	1169.	9.45	0.0280	133.	44.	0.01
MILE	33.60	792.64	5170.	0.09	58287.	2042.	7.84	0.0290	171.	50.	0.00
MILE	31.50	792.65	4445.	0.15	29251.	1676.	10.18	0.0250	193.	54.	0.01
MILE	30.10	792.66	4290.	0.14	30674.	842.	9.66	0.0200	138.	52.	0.00
MILE	29.00	792.67	4166.	0.12	34430.	1006.	10.56	0.0200	155.	53.	0.00
MILE	27.30	792.69	3809.	0.11	35822.	1007.	10.98	0.0230	210.	56.	0.00
MILE	25.20	792.71	3429.	0.08	44569.	1006.	11.82	0.0230	232.	58.	0.00
MILE	23.10	792.73	3341.	0.09	36628.	1036.	11.23	0.0230	232.	63.	0.00

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TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.14	2000.	3.20	626.	263.	2.04	0.0290	226.	3.	0.37
MILE	77.70	818.31	2845.	2.06	1379.	225.	2.83	0.0400	226.	8.	0.15
MILE	75.60	813.02	3866.	2.39	1615.	220.	3.30	0.0400	226.	7.	0.16
MILE	73.50	808.96	4062.	2.47	1648.	187.	3.37	0.0330	226.	10.	0.15
MILE	71.40	806.99	3858.	1.84	2095.	255.	3.03	0.0400	226.	9.	0.11
MILE	69.30	803.50	3553.	2.18	1626.	298.	2.56	0.0340	226.	5.	0.16
MILE	67.20	798.44	3526.	2.23	1583.	319.	2.47	0.0340	226.	8.	0.18
MILE	65.10	793.80	3711.	1.95	1905.	309.	2.95	0.0320	226.	7.	0.14
MILE	63.00	793.22	4004.	1.26	3172.	329.	4.45	0.0400	226.	12.	0.07
MILE	60.90	792.76	4301.	1.03	4191.	341.	5.41	0.0450	226.	16.	0.05
MILE	58.80	792.55	2597.	0.50	5218.	336.	5.95	0.0400	-1790.	19.	0.02
MILE	57.00	792.55	2841.	0.49	5749.	376.	5.70	0.0200	205.	18.	0.02
MILE	55.00	792.54	3087.	0.52	5939.	436.	6.30	0.0200	210.	19.	0.02
MILE	53.10	792.55	3252.	0.40	8051.	536.	5.71	0.0200	215.	19.	0.02
MILE	51.00	792.57	3267.	0.37	8918.	873.	5.92	0.0200	258.	23.	0.02
MILE	48.30	792.61	2605.	0.23	11555.	1544.	4.98	0.0200	258.	24.	0.01
MILE	46.20	792.64	1892.	0.13	14354.	1730.	6.50	0.0200	226.	31.	0.01
MILE	44.10	792.67	1241.	0.05	26024.	1438.	7.81	0.0300	135.	37.	0.00
MILE	43.70	792.67	1138.	0.08	13624.	1301.	8.34	0.0300	113.	40.	0.00
MILE	42.00	792.70	732.	0.04	17207.	1270.	6.18	0.0300	248.	43.	0.00
MILE	39.10	792.74	277.	0.02	17063.	1294.	7.74	0.0230	269.	42.	0.00
MILE	37.00	792.75	305.	0.01	29801.	1072.	6.97	0.0280	167.	41.	0.00
MILE	36.00	792.75	420.	0.02	18722.	862.	8.23	0.0280	129.	44.	0.00
MILE	34.60	792.76	604.	0.02	28765.	1174.	9.47	0.0280	129.	44.	0.00
MILE	33.60	792.77	564.	0.01	58633.	2051.	7.86	0.0290	167.	50.	0.00
MILE	31.50	792.77	111.	0.00	29360.	1683.	10.20	0.0250	188.	54.	0.00
MILE	30.10	792.78	191.	0.01	30795.	845.	9.68	0.0200	135.	52.	0.00
MILE	29.00	792.78	264.	0.01	34541.	1010.	10.58	0.0200	151.	53.	0.00
MILE	27.30	792.79	292.	0.01	35922.	1010.	10.99	0.0230	205.	56.	0.00
MILE	25.20	792.80	244.	0.01	44660.	1009.	11.83	0.0230	226.	58.	0.00
MILE	23.10	792.79	458.	0.01	36685.	1038.	11.24	0.0230	226.	63.	0.00

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TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.34	2000.	2.96	676.	267.	2.12	0.0290	218.	4.	0.33
MILE	77.70	817.35	2243.	2.02	1109.	195.	2.59	0.0400	218.	7.	0.15
MILE	75.60	812.11	2789.	2.04	1369.	197.	2.98	0.0400	218.	6.	0.14
MILE	73.50	808.80	3463.	2.16	1605.	183.	3.33	0.0330	218.	10.	0.13
MILE	71.40	807.21	3912.	1.79	2183.	259.	3.11	0.0400	218.	9.	0.11

MILE	69.30	803.88	4125.	2.29	1798.	310.	2.69	0.0340	218.	5.	0.17
MILE	67.20	798.73	4038.	2.33	1732.	333.	2.53	0.0340	218.	8.	0.18
MILE	65.10	793.86	3927.	2.04	1926.	311.	2.97	0.0320	218.	7.	0.14
MILE	63.00	793.25	3965.	1.25	3184.	329.	4.46	0.0400	218.	12.	0.07
MILE	60.90	792.88	3858.	0.91	4230.	342.	5.44	0.0450	218.	16.	0.05
MILE	58.80	792.77	1602.	0.30	5295.	339.	5.98	0.0400	-1798.	20.	0.01
MILE	57.00	792.78	1409.	0.24	5848.	379.	5.75	0.0200	197.	18.	0.01
MILE	55.00	792.79	1199.	0.20	6030.	440.	6.34	0.0200	202.	19.	0.01
MILE	53.10	792.81	979.	0.12	8203.	541.	5.76	0.0200	208.	20.	0.01
MILE	51.00	792.82	647.	0.07	9043.	880.	5.95	0.0200	249.	24.	0.00
MILE	48.30	792.82	179.	0.02	11755.	1555.	4.97	0.0200	249.	24.	0.00
MILE	46.20	792.82	-358.	-0.02	14509.	1741.	6.53	0.0200	218.	31.	0.00
MILE	44.10	792.82	-869.	-0.03	26202.	1445.	7.84	0.0300	130.	38.	0.00
MILE	43.70	792.82	-925.	-0.07	13695.	1307.	8.33	0.0300	109.	40.	0.00
MILE	42.00	792.81	-989.	-0.06	17328.	1275.	6.18	0.0300	239.	43.	0.00
MILE	39.10	792.78	-620.	-0.04	17100.	1296.	7.74	0.0230	260.	42.	0.00
MILE	37.00	792.77	-516.	-0.02	29842.	1073.	6.98	0.0280	161.	41.	0.00
MILE	36.00	792.77	-416.	-0.02	18734.	863.	8.23	0.0280	125.	44.	0.00
MILE	34.60	792.76	-204.	-0.01	28766.	1174.	9.47	0.0280	125.	44.	0.00
MILE	33.60	792.76	-13.	0.00	58616.	2051.	7.86	0.0290	161.	50.	0.00
MILE	31.50	792.75	431.	0.01	29341.	1682.	10.20	0.0250	182.	54.	0.00
MILE	30.10	792.75	751.	0.02	30767.	844.	9.68	0.0200	130.	52.	0.00
MILE	29.00	792.75	973.	0.03	34508.	1009.	10.57	0.0200	145.	53.	0.00
MILE	27.30	792.74	1316.	0.04	35876.	1009.	10.99	0.0230	197.	56.	0.00
MILE	25.20	792.74	1692.	0.04	44599.	1007.	11.82	0.0230	218.	58.	0.00
MILE	23.10	792.74	2028.	0.06	36638.	1036.	11.23	0.0230	218.	63.	0.00

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TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.61	2000.	2.69	743.	273.	2.21	0.0290	210.	4.	0.29
MILE	77.70	817.15	2166.	2.05	1057.	189.	2.54	0.0400	210.	6.	0.15
MILE	75.60	811.51	2390.	1.98	1208.	181.	2.76	0.0400	210.	5.	0.14
MILE	73.50	808.29	2869.	1.95	1471.	173.	3.17	0.0330	210.	9.	0.12
MILE	71.40	806.85	3361.	1.65	2041.	252.	2.98	0.0400	210.	9.	0.10
MILE	69.30	803.79	3864.	2.20	1757.	308.	2.66	0.0340	210.	5.	0.16
MILE	67.20	798.94	4260.	2.31	1843.	343.	2.57	0.0340	210.	8.	0.18
MILE	65.10	794.21	4315.	2.10	2059.	324.	3.09	0.0320	210.	7.	0.15
MILE	63.00	793.64	4062.	1.23	3311.	335.	4.53	0.0400	210.	13.	0.07
MILE	60.90	793.26	3951.	0.91	4355.	346.	5.53	0.0450	210.	17.	0.05
MILE	58.80	793.09	1986.	0.37	5409.	343.	6.02	0.0400	-1805.	20.	0.02
MILE	57.00	793.07	2002.	0.34	5969.	383.	5.81	0.0200	190.	18.	0.01
MILE	55.00	793.04	1998.	0.33	6120.	443.	6.37	0.0200	195.	20.	0.02
MILE	53.10	793.00	2060.	0.25	8319.	545.	5.80	0.0200	200.	20.	0.01
MILE	51.00	792.96	2225.	0.24	9112.	885.	5.97	0.0200	240.	24.	0.01
MILE	48.30	792.90	2433.	0.21	11842.	1560.	4.96	0.0200	240.	24.	0.01

MILE	46.20	792.88	2270.	0.16	14563.	1745.	6.54	0.0200	210.	31.	0.01
MILE	44.10	792.86	2402.	0.09	26253.	1448.	7.84	0.0300	125.	38.	0.00
MILE	43.70	792.86	2417.	0.18	13715.	1309.	8.32	0.0300	105.	40.	0.01
MILE	42.00	792.84	2388.	0.14	17364.	1277.	6.18	0.0300	230.	43.	0.01
MILE	39.10	792.84	1759.	0.10	17144.	1299.	7.75	0.0230	250.	42.	0.00
MILE	37.00	792.84	1325.	0.04	29956.	1075.	7.00	0.0280	155.	42.	0.00
MILE	36.00	792.85	1111.	0.06	18794.	865.	8.24	0.0280	120.	44.	0.00
MILE	34.60	792.85	767.	0.03	28849.	1178.	9.48	0.0280	120.	44.	0.00
MILE	33.60	792.85	455.	0.01	58850.	2057.	7.88	0.0290	155.	50.	0.00
MILE	31.50	792.85	-159.	-0.01	29424.	1687.	10.21	0.0250	175.	54.	0.00
MILE	30.10	792.85	-563.	-0.02	30870.	847.	9.69	0.0200	125.	52.	0.00
MILE	29.00	792.85	-783.	-0.02	34611.	1013.	10.59	0.0200	140.	53.	0.00
MILE	27.30	792.85	-1118.	-0.03	35982.	1013.	11.00	0.0230	190.	56.	0.00
MILE	25.20	792.85	-1374.	-0.03	44719.	1011.	11.83	0.0230	210.	58.	0.00
MILE	23.10	792.86	-1632.	-0.04	36751.	1041.	11.25	0.0230	210.	63.	0.00

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TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.76	2000.	2.56	783.	276.	2.26	0.0290	201.	4.	0.27
MILE	77.70	817.14	2164.	2.05	1053.	189.	2.54	0.0400	201.	6.	0.15
MILE	75.60	811.35	2350.	2.02	1166.	177.	2.70	0.0400	201.	5.	0.14
MILE	73.50	807.98	2644.	1.90	1392.	167.	3.08	0.0330	201.	9.	0.12
MILE	71.40	806.53	3008.	1.57	1910.	246.	2.86	0.0400	201.	9.	0.10
MILE	69.30	803.53	3461.	2.11	1642.	299.	2.57	0.0340	201.	5.	0.16
MILE	67.20	798.78	3912.	2.22	1759.	335.	2.54	0.0340	201.	8.	0.17
MILE	65.10	794.37	4285.	2.02	2121.	329.	3.14	0.0320	201.	7.	0.14
MILE	63.00	793.77	4506.	1.34	3355.	337.	4.56	0.0400	201.	13.	0.07
MILE	60.90	793.26	4823.	1.11	4356.	346.	5.53	0.0450	201.	17.	0.06
MILE	58.80	793.01	3163.	0.59	5380.	342.	6.01	0.0400	-1813.	20.	0.03
MILE	57.00	792.99	3453.	0.58	5937.	382.	5.80	0.0200	182.	18.	0.03
MILE	55.00	792.97	3766.	0.62	6097.	442.	6.36	0.0200	187.	19.	0.03
MILE	53.10	792.97	3962.	0.48	8302.	545.	5.80	0.0200	192.	20.	0.02
MILE	51.00	792.98	3942.	0.43	9124.	886.	5.97	0.0200	230.	24.	0.02
MILE	48.30	793.00	3224.	0.27	11942.	1565.	4.96	0.0200	230.	24.	0.02
MILE	46.20	793.00	2908.	0.20	14667.	1752.	6.56	0.0200	201.	31.	0.01
MILE	44.10	793.01	2237.	0.08	26432.	1455.	7.87	0.0300	120.	38.	0.00
MILE	43.70	793.01	2131.	0.15	13792.	1317.	8.31	0.0300	101.	40.	0.01
MILE	42.00	793.02	1733.	0.10	17567.	1285.	6.17	0.0300	220.	43.	0.00
MILE	39.10	793.01	1539.	0.09	17276.	1306.	7.76	0.0230	239.	42.	0.00
MILE	37.00	792.98	1789.	0.06	30182.	1081.	7.03	0.0280	148.	42.	0.00
MILE	36.00	792.98	1837.	0.10	18900.	869.	8.25	0.0280	115.	44.	0.00
MILE	34.60	792.98	1820.	0.06	28977.	1183.	9.49	0.0280	115.	44.	0.00
MILE	33.60	792.98	1790.	0.03	59190.	2067.	7.91	0.0290	148.	50.	0.00
MILE	31.50	792.97	1730.	0.06	29530.	1695.	10.23	0.0250	168.	54.	0.00
MILE	30.10	792.96	1542.	0.05	30987.	851.	9.72	0.0200	120.	52.	0.00

MILE	29.00	792.96	1528.	0.04	34719.	1017.	10.61	0.0200	134.	53.	0.00
MILE	27.30	792.95	1676.	0.05	36080.	1016.	11.02	0.0230	182.	56.	0.00
MILE	25.20	792.94	1970.	0.04	44813.	1014.	11.85	0.0230	201.	58.	0.00
MILE	23.10	792.92	2012.	0.05	36808.	1043.	11.26	0.0230	201.	63.	0.00

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TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.80	2000.	2.53	792.	277.	2.28	0.0290	192.	4.	0.26
MILE	77.70	817.17	2190.	2.06	1061.	190.	2.54	0.0400	192.	6.	0.15
MILE	75.60	811.36	2383.	2.04	1167.	177.	2.70	0.0400	192.	5.	0.14
MILE	73.50	807.86	2602.	1.91	1361.	164.	3.04	0.0330	192.	9.	0.12
MILE	71.40	806.36	2863.	1.55	1842.	243.	2.80	0.0400	192.	9.	0.10
MILE	69.30	803.33	3182.	2.05	1551.	293.	2.51	0.0340	192.	5.	0.16
MILE	67.20	798.53	3541.	2.18	1627.	323.	2.49	0.0340	192.	8.	0.17
MILE	65.10	794.21	3990.	1.94	2060.	324.	3.09	0.0320	192.	7.	0.14
MILE	63.00	793.67	4324.	1.30	3320.	335.	4.54	0.0400	192.	13.	0.07
MILE	60.90	793.25	4427.	1.02	4353.	346.	5.53	0.0450	192.	17.	0.05
MILE	58.80	793.08	2428.	0.45	5407.	343.	6.02	0.0400	-1821.	20.	0.02
MILE	57.00	793.08	2449.	0.41	5975.	384.	5.82	0.0200	174.	18.	0.02
MILE	55.00	793.08	2467.	0.40	6136.	444.	6.38	0.0200	179.	20.	0.02
MILE	53.10	793.08	2486.	0.30	8368.	547.	5.82	0.0200	183.	20.	0.01
MILE	51.00	793.08	2571.	0.28	9173.	889.	5.99	0.0200	220.	24.	0.02
MILE	48.30	793.06	3110.	0.26	11999.	1569.	4.95	0.0200	220.	24.	0.02
MILE	46.20	793.06	3244.	0.22	14717.	1756.	6.57	0.0200	192.	31.	0.01
MILE	44.10	793.05	3541.	0.13	26478.	1457.	7.88	0.0300	115.	38.	0.01
MILE	43.70	793.05	3598.	0.26	13810.	1318.	8.31	0.0300	96.	40.	0.01
MILE	42.00	793.03	3853.	0.22	17585.	1286.	6.17	0.0300	211.	43.	0.01
MILE	39.10	793.02	4014.	0.23	17291.	1307.	7.77	0.0230	229.	42.	0.01
MILE	37.00	793.03	3685.	0.12	30260.	1082.	7.04	0.0280	142.	42.	0.00
MILE	36.00	793.03	3550.	0.19	18940.	871.	8.25	0.0280	110.	44.	0.01
MILE	34.60	793.03	3375.	0.12	29028.	1186.	9.50	0.0280	110.	45.	0.00
MILE	33.60	793.03	3225.	0.05	59332.	2071.	7.92	0.0290	142.	50.	0.00
MILE	31.50	793.03	2956.	0.10	29590.	1699.	10.24	0.0250	160.	54.	0.00
MILE	30.10	793.03	2791.	0.09	31060.	853.	9.73	0.0200	115.	52.	0.00
MILE	29.00	793.03	2696.	0.08	34790.	1019.	10.62	0.0200	128.	53.	0.00
MILE	27.30	793.03	2514.	0.07	36157.	1019.	11.03	0.0230	174.	56.	0.00
MILE	25.20	793.04	2368.	0.05	44923.	1017.	11.86	0.0230	192.	59.	0.00
MILE	23.10	793.05	2114.	0.06	36930.	1048.	11.28	0.0230	192.	63.	0.00

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TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.76	2000.	2.56	781.	276.	2.26	0.0290	182.	4.	0.27
MILE	77.70	817.18	2199.	2.07	1064.	190.	2.55	0.0400	182.	6.	0.15
MILE	75.60	811.36	2394.	2.05	1169.	178.	2.70	0.0400	182.	5.	0.14
MILE	73.50	807.82	2593.	1.92	1350.	163.	3.03	0.0330	182.	9.	0.12
MILE	71.40	806.28	2806.	1.55	1812.	241.	2.77	0.0400	182.	8.	0.10
MILE	69.30	803.22	3048.	2.03	1501.	289.	2.47	0.0340	182.	5.	0.16
MILE	67.20	798.35	3333.	2.16	1540.	315.	2.45	0.0340	182.	8.	0.17
MILE	65.10	794.11	3691.	1.83	2020.	320.	3.05	0.0320	182.	7.	0.13
MILE	63.00	793.65	3943.	1.19	3315.	335.	4.54	0.0400	182.	13.	0.07
MILE	60.90	793.28	4237.	0.97	4363.	347.	5.54	0.0450	182.	17.	0.05
MILE	58.80	793.10	2549.	0.47	5413.	343.	6.02	0.0400	-1831.	20.	0.02
MILE	57.00	793.09	2765.	0.46	5979.	384.	5.82	0.0200	165.	18.	0.02
MILE	55.00	793.08	2979.	0.49	6136.	444.	6.38	0.0200	169.	20.	0.02
MILE	53.10	793.07	3197.	0.38	8362.	547.	5.82	0.0200	174.	20.	0.02
MILE	51.00	793.07	3424.	0.37	9166.	888.	5.98	0.0200	209.	24.	0.02
MILE	48.30	793.08	3273.	0.27	12014.	1569.	4.95	0.0200	209.	24.	0.02
MILE	46.20	793.08	2935.	0.20	14736.	1757.	6.57	0.0200	182.	31.	0.01
MILE	44.10	793.09	2762.	0.10	26524.	1459.	7.88	0.0300	109.	38.	0.00
MILE	43.70	793.09	2730.	0.20	13831.	1320.	8.30	0.0300	91.	40.	0.01
MILE	42.00	793.10	2549.	0.14	17661.	1289.	6.17	0.0300	200.	43.	0.01
MILE	39.10	793.12	2154.	0.12	17367.	1312.	7.77	0.0230	217.	42.	0.01
MILE	37.00	793.12	2151.	0.07	30402.	1086.	7.06	0.0280	135.	42.	0.00
MILE	36.00	793.12	2200.	0.12	19012.	874.	8.26	0.0280	104.	44.	0.00
MILE	34.60	793.13	2263.	0.08	29126.	1190.	9.51	0.0280	104.	45.	0.00
MILE	33.60	793.13	2183.	0.04	59606.	2078.	7.94	0.0290	135.	50.	0.00
MILE	31.50	793.14	1793.	0.06	29684.	1705.	10.25	0.0250	152.	54.	0.00
MILE	30.10	793.14	1786.	0.06	31169.	856.	9.75	0.0200	109.	52.	0.00
MILE	29.00	793.14	1776.	0.05	34896.	1023.	10.64	0.0200	122.	53.	0.00
MILE	27.30	793.15	1631.	0.04	36270.	1023.	11.05	0.0230	165.	56.	0.00
MILE	25.20	793.15	1318.	0.03	45049.	1022.	11.88	0.0230	182.	59.	0.00
MILE	23.10	793.15	1218.	0.03	37025.	1052.	11.30	0.0230	182.	63.	0.00

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TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.73	2000.	2.59	774.	275.	2.25	0.0290	173.	4.	0.27
MILE	77.70	817.16	2186.	2.06	1059.	190.	2.54	0.0400	173.	6.	0.15
MILE	75.60	811.34	2375.	2.04	1162.	177.	2.70	0.0400	173.	5.	0.14
MILE	73.50	807.78	2574.	1.92	1342.	163.	3.02	0.0330	173.	9.	0.12
MILE	71.40	806.24	2778.	1.55	1797.	241.	2.76	0.0400	173.	8.	0.10
MILE	69.30	803.17	2998.	2.02	1481.	287.	2.45	0.0340	173.	4.	0.16
MILE	67.20	798.26	3228.	2.16	1494.	310.	2.43	0.0340	173.	8.	0.17
MILE	65.10	793.97	3513.	1.78	1971.	315.	3.01	0.0320	173.	7.	0.13

MILE	63.00	793.54	3808.	1.16	3279.	333.	4.52	0.0400	173.	13.	0.07
MILE	60.90	793.22	3968.	0.91	4345.	346.	5.52	0.0450	173.	17.	0.05
MILE	58.80	793.11	1981.	0.37	5415.	343.	6.02	0.0400	-1840.	20.	0.02
MILE	57.00	793.11	2025.	0.34	5988.	384.	5.82	0.0200	156.	18.	0.02
MILE	55.00	793.12	2100.	0.34	6151.	445.	6.38	0.0200	160.	20.	0.02
MILE	53.10	793.14	2116.	0.25	8401.	548.	5.83	0.0200	164.	20.	0.01
MILE	51.00	793.16	2003.	0.22	9212.	891.	6.00	0.0200	197.	24.	0.01
MILE	48.30	793.17	1737.	0.14	12111.	1575.	4.95	0.0200	197.	24.	0.01
MILE	46.20	793.17	1771.	0.12	14817.	1763.	6.59	0.0200	173.	31.	0.01
MILE	44.10	793.18	1374.	0.05	26636.	1464.	7.90	0.0300	103.	38.	0.00
MILE	43.70	793.18	1316.	0.09	13878.	1325.	8.29	0.0300	86.	40.	0.01
MILE	42.00	793.19	1128.	0.06	17765.	1293.	6.17	0.0300	189.	43.	0.00
MILE	39.10	793.19	1270.	0.07	17420.	1315.	7.78	0.0230	205.	42.	0.00
MILE	37.00	793.18	1253.	0.04	30497.	1088.	7.07	0.0280	127.	42.	0.00
MILE	36.00	793.18	1333.	0.07	19056.	876.	8.27	0.0280	99.	44.	0.00
MILE	34.60	793.18	1491.	0.05	29175.	1192.	9.52	0.0280	99.	45.	0.00
MILE	33.60	793.18	1484.	0.02	59733.	2082.	7.95	0.0290	127.	50.	0.00
MILE	31.50	793.18	1180.	0.04	29724.	1708.	10.26	0.0250	144.	54.	0.00
MILE	30.10	793.18	1270.	0.04	31216.	858.	9.76	0.0200	103.	52.	0.00
MILE	29.00	793.18	1353.	0.04	34938.	1025.	10.64	0.0200	115.	53.	0.00
MILE	27.30	793.18	1444.	0.04	36303.	1025.	11.05	0.0230	156.	56.	0.00
MILE	25.20	793.18	1529.	0.03	45083.	1023.	11.88	0.0230	173.	59.	0.00
MILE	23.10	793.18	1710.	0.05	37053.	1053.	11.30	0.0230	173.	63.	0.00

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TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.72	2000.	2.59	771.	275.	2.25	0.0290	164.	4.	0.27
MILE	77.70	817.14	2172.	2.06	1053.	189.	2.53	0.0400	164.	6.	0.15
MILE	75.60	811.31	2353.	2.04	1153.	176.	2.68	0.0400	164.	5.	0.14
MILE	73.50	807.75	2549.	1.91	1334.	162.	3.01	0.0330	164.	9.	0.12
MILE	71.40	806.21	2750.	1.54	1785.	240.	2.75	0.0400	164.	8.	0.10
MILE	69.30	803.14	2960.	2.02	1468.	287.	2.44	0.0340	164.	4.	0.16
MILE	67.20	798.20	3171.	2.16	1468.	308.	2.42	0.0340	164.	8.	0.17
MILE	65.10	793.95	3398.	1.73	1961.	314.	3.00	0.0320	164.	7.	0.12
MILE	63.00	793.60	3465.	1.05	3299.	334.	4.53	0.0400	164.	13.	0.06
MILE	60.90	793.36	3485.	0.79	4390.	348.	5.56	0.0450	164.	17.	0.04
MILE	58.80	793.26	1556.	0.28	5470.	345.	6.04	0.0400	-1848.	20.	0.01
MILE	57.00	793.26	1581.	0.26	6050.	386.	5.86	0.0200	148.	18.	0.01
MILE	55.00	793.26	1547.	0.25	6201.	447.	6.40	0.0200	152.	20.	0.01
MILE	53.10	793.26	1523.	0.18	8470.	550.	5.85	0.0200	156.	20.	0.01
MILE	51.00	793.24	1569.	0.17	9254.	894.	6.01	0.0200	187.	24.	0.01
MILE	48.30	793.23	1773.	0.15	12169.	1578.	4.94	0.0200	187.	24.	0.01
MILE	46.20	793.23	1331.	0.09	14867.	1766.	6.60	0.0200	164.	31.	0.01
MILE	44.10	793.23	1389.	0.05	26687.	1466.	7.91	0.0300	97.	38.	0.00
MILE	43.70	793.23	1409.	0.10	13899.	1327.	8.29	0.0300	82.	40.	0.01

MILE	42.00	793.22	1507.	0.08	17798.	1294.	6.17	0.0300	179.	43.	0.00
MILE	39.10	793.22	1394.	0.08	17450.	1317.	7.78	0.0230	195.	42.	0.00
MILE	37.00	793.23	1195.	0.04	30578.	1090.	7.09	0.0280	121.	42.	0.00
MILE	36.00	793.23	1144.	0.06	19097.	877.	8.27	0.0280	94.	44.	0.00
MILE	34.60	793.23	1104.	0.04	29225.	1194.	9.53	0.0280	94.	45.	0.00
MILE	33.60	793.23	1049.	0.02	59866.	2085.	7.96	0.0290	121.	50.	0.00
MILE	31.50	793.23	939.	0.03	29769.	1711.	10.26	0.0250	136.	54.	0.00
MILE	30.10	793.23	996.	0.03	31267.	859.	9.77	0.0200	97.	52.	0.00
MILE	29.00	793.23	1022.	0.03	34988.	1026.	10.65	0.0200	109.	54.	0.00
MILE	27.30	793.23	971.	0.03	36351.	1026.	11.06	0.0230	148.	56.	0.00
MILE	25.20	793.23	832.	0.02	45132.	1024.	11.89	0.0230	164.	59.	0.00
MILE	23.10	793.24	742.	0.02	37110.	1055.	11.31	0.0230	164.	63.	0.00

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TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.71	2000.	2.60	768.	275.	2.24	0.0290	155.	4.	0.27
MILE	77.70	817.12	2165.	2.06	1049.	189.	2.53	0.0400	155.	6.	0.15
MILE	75.60	811.28	2337.	2.04	1146.	175.	2.67	0.0400	155.	5.	0.14
MILE	73.50	807.73	2526.	1.90	1327.	162.	3.00	0.0330	155.	9.	0.12
MILE	71.40	806.18	2720.	1.53	1774.	240.	2.74	0.0400	155.	8.	0.10
MILE	69.30	803.12	2927.	2.01	1458.	286.	2.43	0.0340	155.	4.	0.16
MILE	67.20	798.17	3131.	2.15	1454.	306.	2.41	0.0340	155.	7.	0.17
MILE	65.10	794.00	3321.	1.68	1981.	316.	3.02	0.0320	155.	7.	0.12
MILE	63.00	793.66	3449.	1.04	3319.	335.	4.54	0.0400	155.	13.	0.06
MILE	60.90	793.41	3632.	0.82	4406.	348.	5.57	0.0450	155.	17.	0.04
MILE	58.80	793.30	1756.	0.32	5486.	345.	6.05	0.0400	-1856.	20.	0.01
MILE	57.00	793.30	1846.	0.30	6069.	387.	5.87	0.0200	140.	19.	0.01
MILE	55.00	793.30	1962.	0.32	6215.	447.	6.41	0.0200	144.	20.	0.01
MILE	53.10	793.29	2079.	0.24	8493.	551.	5.86	0.0200	147.	20.	0.01
MILE	51.00	793.29	2128.	0.23	9280.	895.	6.02	0.0200	177.	24.	0.01
MILE	48.30	793.30	1785.	0.15	12246.	1582.	4.94	0.0200	177.	24.	0.01
MILE	46.20	793.29	1740.	0.12	14921.	1770.	6.61	0.0200	155.	31.	0.01
MILE	44.10	793.30	1459.	0.05	26772.	1470.	7.92	0.0300	92.	38.	0.00
MILE	43.70	793.30	1406.	0.10	13936.	1330.	8.29	0.0300	77.	40.	0.01
MILE	42.00	793.30	1137.	0.06	17896.	1298.	6.17	0.0300	170.	43.	0.00
MILE	39.10	793.31	647.	0.04	17523.	1321.	7.79	0.0230	184.	42.	0.00
MILE	37.00	793.31	462.	0.02	30704.	1093.	7.10	0.0280	114.	42.	0.00
MILE	36.00	793.31	350.	0.02	19162.	880.	8.28	0.0280	88.	44.	0.00
MILE	34.60	793.32	126.	0.00	29318.	1198.	9.54	0.0280	88.	45.	0.00
MILE	33.60	793.33	-113.	0.00	60125.	2092.	7.98	0.0290	114.	50.	0.00
MILE	31.50	793.33	-661.	-0.02	29852.	1716.	10.28	0.0250	129.	55.	0.00
MILE	30.10	793.33	-992.	-0.03	31374.	862.	9.78	0.0200	92.	53.	0.00
MILE	29.00	793.34	-1148.	-0.03	35096.	1030.	10.67	0.0200	103.	54.	0.00
MILE	27.30	793.34	-1363.	-0.04	36463.	1030.	11.08	0.0230	140.	56.	0.00
MILE	25.20	793.35	-1558.	-0.03	45261.	1029.	11.91	0.0230	155.	59.	0.00

MILE	23.10	793.35	-1773.	-0.05	37214.	1059.	11.33	0.0230	155.	63.	0.00

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.68	2000.	2.63	761.	274.	2.24	0.0290	149.	4.	0.28
MILE	77.70	817.11	2161.	2.07	1046.	188.	2.53	0.0400	149.	6.	0.15
MILE	75.60	811.26	2328.	2.04	1141.	175.	2.67	0.0400	149.	5.	0.14
MILE	73.50	807.70	2509.	1.90	1321.	161.	2.99	0.0330	149.	9.	0.12
MILE	71.40	806.16	2695.	1.53	1764.	239.	2.73	0.0400	149.	8.	0.10
MILE	69.30	803.10	2890.	2.00	1447.	285.	2.42	0.0340	149.	4.	0.16
MILE	67.20	798.13	3076.	2.14	1435.	304.	2.40	0.0340	149.	7.	0.17
MILE	65.10	793.99	3269.	1.65	1977.	316.	3.02	0.0320	149.	7.	0.12
MILE	63.00	793.67	3416.	1.03	3322.	335.	4.54	0.0400	149.	13.	0.06
MILE	60.90	793.44	3483.	0.79	4418.	349.	5.58	0.0450	149.	17.	0.04
MILE	58.80	793.35	1546.	0.28	5504.	346.	6.05	0.0400	-1862.	20.	0.01
MILE	57.00	793.35	1627.	0.27	6090.	387.	5.88	0.0200	134.	19.	0.01
MILE	55.00	793.36	1694.	0.27	6236.	448.	6.42	0.0200	138.	20.	0.01
MILE	53.10	793.37	1663.	0.19	8537.	552.	5.87	0.0200	141.	20.	0.01
MILE	51.00	793.38	1467.	0.16	9323.	898.	6.03	0.0200	170.	24.	0.01
MILE	48.30	793.40	984.	0.08	12347.	1587.	4.93	0.0200	170.	24.	0.01
MILE	46.20	793.41	518.	0.03	15021.	1777.	6.63	0.0200	149.	32.	0.00
MILE	44.10	793.42	-49.	0.00	26912.	1476.	7.94	0.0300	88.	38.	0.00
MILE	43.70	793.42	-131.	-0.01	13996.	1336.	8.28	0.0300	74.	40.	0.00
MILE	42.00	793.42	-407.	-0.02	18036.	1303.	6.17	0.0300	163.	43.	0.00
MILE	39.10	793.43	-600.	-0.03	17614.	1326.	7.80	0.0230	177.	42.	0.00
MILE	37.00	793.43	-582.	-0.02	30893.	1098.	7.13	0.0280	110.	42.	0.00
MILE	36.00	793.43	-608.	-0.03	19250.	883.	8.29	0.0280	85.	44.	0.00
MILE	34.60	793.42	-687.	-0.02	29414.	1202.	9.55	0.0280	85.	45.	0.00
MILE	33.60	793.42	-749.	-0.01	60376.	2099.	7.99	0.0290	110.	51.	0.00
MILE	31.50	793.42	-844.	-0.03	29939.	1722.	10.29	0.0250	124.	55.	0.00
MILE	30.10	793.42	-1028.	-0.03	31466.	865.	9.80	0.0200	88.	53.	0.00
MILE	29.00	793.42	-1062.	-0.03	35178.	1033.	10.68	0.0200	99.	54.	0.00
MILE	27.30	793.42	-966.	-0.03	36534.	1033.	11.09	0.0230	134.	56.	0.00
MILE	25.20	793.41	-682.	-0.02	45327.	1031.	11.91	0.0230	149.	59.	0.00
MILE	23.10	793.41	-739.	-0.02	37271.	1061.	11.34	0.0230	149.	63.	0.00

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.65	2000.	2.66	752.	273.	2.22	0.0290	142.	4.	0.28

MILE	77.70	817.10	2158.	2.07	1044.	188.	2.53	0.0400	142.	6.	0.15
MILE	75.60	811.24	2321.	2.04	1137.	175.	2.66	0.0400	142.	5.	0.14
MILE	73.50	807.69	2493.	1.89	1317.	161.	2.98	0.0330	142.	8.	0.12
MILE	71.40	806.14	2668.	1.52	1755.	239.	2.72	0.0400	142.	8.	0.10
MILE	69.30	803.07	2849.	1.99	1434.	284.	2.41	0.0340	142.	4.	0.16
MILE	67.20	798.09	3029.	2.14	1418.	303.	2.39	0.0340	142.	7.	0.17
MILE	65.10	794.02	3205.	1.61	1989.	317.	3.03	0.0320	142.	7.	0.11
MILE	63.00	793.75	3215.	0.96	3349.	336.	4.56	0.0400	142.	13.	0.05
MILE	60.90	793.58	3160.	0.71	4462.	350.	5.61	0.0450	142.	17.	0.03
MILE	58.80	793.52	1096.	0.20	5564.	348.	6.07	0.0400	-1868.	20.	0.01
MILE	57.00	793.52	1017.	0.17	6162.	390.	5.91	0.0200	129.	19.	0.01
MILE	55.00	793.52	899.	0.14	6298.	451.	6.44	0.0200	132.	20.	0.01
MILE	53.10	793.52	823.	0.10	8629.	555.	5.90	0.0200	135.	20.	0.00
MILE	51.00	793.51	800.	0.09	9390.	902.	6.05	0.0200	162.	24.	0.00
MILE	48.30	793.50	838.	0.07	12458.	1593.	4.93	0.0200	162.	25.	0.00
MILE	46.20	793.50	353.	0.02	15101.	1783.	6.65	0.0200	142.	32.	0.00
MILE	44.10	793.49	294.	0.01	27003.	1480.	7.95	0.0300	85.	38.	0.00
MILE	43.70	793.49	300.	0.02	14034.	1339.	8.27	0.0300	71.	40.	0.00
MILE	42.00	793.48	374.	0.02	18103.	1306.	6.16	0.0300	156.	43.	0.00
MILE	39.10	793.47	268.	0.02	17650.	1328.	7.81	0.0230	169.	42.	0.00
MILE	37.00	793.47	102.	0.00	30961.	1099.	7.14	0.0280	105.	42.	0.00
MILE	36.00	793.47	11.	0.00	19283.	884.	8.29	0.0280	81.	44.	0.00
MILE	34.60	793.47	-118.	0.00	29456.	1204.	9.56	0.0280	81.	45.	0.00
MILE	33.60	793.46	-168.	0.00	60488.	2102.	8.00	0.0290	105.	51.	0.00
MILE	31.50	793.46	-92.	0.00	29974.	1724.	10.30	0.0250	118.	55.	0.00
MILE	30.10	793.46	-63.	0.00	31504.	866.	9.81	0.0200	85.	53.	0.00
MILE	29.00	793.46	-40.	0.00	35212.	1034.	10.69	0.0200	95.	54.	0.00
MILE	27.30	793.45	-55.	0.00	36569.	1034.	11.09	0.0230	129.	56.	0.00
MILE	25.20	793.46	-196.	0.00	45378.	1032.	11.92	0.0230	142.	59.	0.00
MILE	23.10	793.46	-348.	-0.01	37318.	1063.	11.34	0.0230	142.	63.	0.00

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.61	2000.	2.69	742.	273.	2.21	0.0290	137.	4.	0.29
MILE	77.70	817.09	2152.	2.07	1041.	188.	2.52	0.0400	137.	6.	0.15
MILE	75.60	811.22	2308.	2.04	1132.	174.	2.65	0.0400	137.	5.	0.14
MILE	73.50	807.66	2473.	1.89	1311.	160.	2.98	0.0330	137.	8.	0.12
MILE	71.40	806.11	2641.	1.51	1744.	238.	2.71	0.0400	137.	8.	0.10
MILE	69.30	803.04	2816.	1.98	1423.	283.	2.40	0.0340	137.	4.	0.16
MILE	67.20	798.07	2990.	2.13	1406.	301.	2.39	0.0340	137.	7.	0.17
MILE	65.10	794.14	3133.	1.54	2033.	321.	3.07	0.0320	137.	7.	0.11
MILE	63.00	793.88	3195.	0.94	3391.	338.	4.58	0.0400	137.	13.	0.05
MILE	60.90	793.68	3317.	0.74	4499.	351.	5.64	0.0450	137.	17.	0.04
MILE	58.80	793.60	1416.	0.25	5595.	349.	6.09	0.0400	-1873.	21.	0.01
MILE	57.00	793.59	1506.	0.24	6193.	391.	5.93	0.0200	124.	19.	0.01

MILE	55.00	793.58	1637.	0.26	6320.	452.	6.45	0.0200	127.	20.	0.01
MILE	53.10	793.57	1775.	0.20	8660.	556.	5.91	0.0200	130.	20.	0.01
MILE	51.00	793.56	1856.	0.20	9415.	904.	6.05	0.0200	156.	24.	0.01
MILE	48.30	793.56	1576.	0.13	12517.	1596.	4.93	0.0200	156.	25.	0.01
MILE	46.20	793.55	1690.	0.11	15142.	1786.	6.65	0.0200	137.	32.	0.01
MILE	44.10	793.54	1469.	0.05	27066.	1483.	7.96	0.0300	81.	38.	0.00
MILE	43.70	793.54	1425.	0.10	14061.	1342.	8.27	0.0300	68.	41.	0.01
MILE	42.00	793.54	1198.	0.07	18178.	1309.	6.16	0.0300	150.	44.	0.00
MILE	39.10	793.54	1015.	0.06	17705.	1331.	7.81	0.0230	163.	43.	0.00
MILE	37.00	793.53	1147.	0.04	31054.	1101.	7.15	0.0280	101.	42.	0.00
MILE	36.00	793.52	1233.	0.06	19328.	886.	8.30	0.0280	78.	45.	0.00
MILE	34.60	793.52	1324.	0.04	29513.	1206.	9.57	0.0280	78.	45.	0.00
MILE	33.60	793.52	1268.	0.02	60645.	2106.	8.01	0.0290	101.	51.	0.00
MILE	31.50	793.52	908.	0.03	30028.	1728.	10.30	0.0250	114.	55.	0.00
MILE	30.10	793.52	848.	0.03	31564.	868.	9.82	0.0200	81.	53.	0.00
MILE	29.00	793.51	836.	0.02	35270.	1037.	10.70	0.0200	91.	54.	0.00
MILE	27.30	793.52	807.	0.02	36629.	1037.	11.10	0.0230	124.	56.	0.00
MILE	25.20	793.51	847.	0.02	45439.	1034.	11.93	0.0230	137.	59.	0.00
MILE	23.10	793.50	922.	0.02	37356.	1064.	11.35	0.0230	137.	64.	0.00

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TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.58	2000.	2.72	734.	272.	2.20	0.0290	131.	4.	0.29
MILE	77.70	817.08	2144.	2.07	1037.	187.	2.52	0.0400	131.	6.	0.15
MILE	75.60	811.20	2293.	2.04	1126.	174.	2.64	0.0400	131.	5.	0.14
MILE	73.50	807.64	2453.	1.88	1306.	160.	2.97	0.0330	131.	8.	0.12
MILE	71.40	806.09	2615.	1.51	1735.	238.	2.70	0.0400	131.	8.	0.10
MILE	69.30	803.02	2782.	1.97	1413.	282.	2.39	0.0340	131.	4.	0.16
MILE	67.20	798.04	2942.	2.12	1390.	300.	2.38	0.0340	131.	7.	0.17
MILE	65.10	794.14	3108.	1.53	2035.	321.	3.07	0.0320	131.	7.	0.11
MILE	63.00	793.87	3283.	0.97	3390.	338.	4.58	0.0400	131.	13.	0.05
MILE	60.90	793.67	3405.	0.76	4494.	351.	5.63	0.0450	131.	17.	0.04
MILE	58.80	793.59	1545.	0.28	5590.	349.	6.08	0.0400	-1878.	21.	0.01
MILE	57.00	793.59	1687.	0.27	6189.	390.	5.93	0.0200	119.	19.	0.01
MILE	55.00	793.59	1823.	0.29	6322.	452.	6.45	0.0200	122.	20.	0.01
MILE	53.10	793.59	1886.	0.22	8671.	557.	5.92	0.0200	125.	20.	0.01
MILE	51.00	793.59	1913.	0.20	9431.	905.	6.06	0.0200	150.	24.	0.01
MILE	48.30	793.59	2170.	0.17	12551.	1598.	4.92	0.0200	150.	25.	0.01
MILE	46.20	793.59	2182.	0.14	15179.	1788.	6.66	0.0200	131.	32.	0.01
MILE	44.10	793.58	2210.	0.08	27114.	1485.	7.97	0.0300	78.	38.	0.00
MILE	43.70	793.58	2226.	0.16	14082.	1343.	8.26	0.0300	66.	41.	0.01
MILE	42.00	793.58	2343.	0.13	18218.	1311.	6.16	0.0300	144.	44.	0.01
MILE	39.10	793.56	2567.	0.14	17725.	1332.	7.82	0.0230	156.	43.	0.01
MILE	37.00	793.57	2430.	0.08	31117.	1103.	7.16	0.0280	97.	42.	0.00
MILE	36.00	793.56	2446.	0.13	19358.	887.	8.30	0.0280	75.	45.	0.00

MILE	34.60	793.55	2532.	0.09	29545.	1208.	9.57	0.0280	75.	45.	0.00
MILE	33.60	793.55	2526.	0.04	60725.	2109.	8.02	0.0290	97.	51.	0.00
MILE	31.50	793.56	2368.	0.08	30058.	1730.	10.31	0.0250	109.	55.	0.00
MILE	30.10	793.55	2507.	0.08	31599.	869.	9.82	0.0200	78.	53.	0.00
MILE	29.00	793.55	2600.	0.07	35301.	1038.	10.70	0.0200	87.	54.	0.00
MILE	27.30	793.54	2656.	0.07	36653.	1037.	11.11	0.0230	119.	56.	0.00
MILE	25.20	793.54	2564.	0.06	45468.	1035.	11.93	0.0230	131.	59.	0.00
MILE	23.10	793.54	2612.	0.07	37394.	1066.	11.36	0.0230	131.	64.	0.00

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TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.55	2000.	2.75	728.	272.	2.19	0.0290	126.	4.	0.30
MILE	77.70	817.07	2138.	2.07	1034.	187.	2.52	0.0400	126.	6.	0.15
MILE	75.60	811.18	2280.	2.04	1120.	173.	2.63	0.0400	126.	5.	0.14
MILE	73.50	807.62	2431.	1.87	1299.	159.	2.96	0.0330	126.	8.	0.12
MILE	71.40	806.06	2585.	1.50	1724.	237.	2.69	0.0400	126.	8.	0.10
MILE	69.30	802.99	2741.	1.96	1400.	281.	2.38	0.0340	126.	4.	0.15
MILE	67.20	798.00	2897.	2.11	1372.	298.	2.37	0.0340	126.	7.	0.17
MILE	65.10	794.12	3059.	1.51	2026.	321.	3.06	0.0320	126.	7.	0.11
MILE	63.00	793.87	3179.	0.94	3388.	338.	4.58	0.0400	126.	13.	0.05
MILE	60.90	793.67	3337.	0.74	4495.	351.	5.63	0.0450	126.	17.	0.04
MILE	58.80	793.59	1502.	0.27	5592.	349.	6.08	0.0400	-1883.	21.	0.01
MILE	57.00	793.59	1592.	0.26	6192.	391.	5.93	0.0200	114.	19.	0.01
MILE	55.00	793.59	1675.	0.26	6323.	452.	6.45	0.0200	117.	20.	0.01
MILE	53.10	793.59	1817.	0.21	8668.	557.	5.91	0.0200	120.	20.	0.01
MILE	51.00	793.58	2067.	0.22	9423.	904.	6.06	0.0200	144.	24.	0.01
MILE	48.30	793.58	2333.	0.19	12538.	1597.	4.93	0.0200	144.	25.	0.01
MILE	46.20	793.58	2376.	0.16	15170.	1788.	6.66	0.0200	126.	32.	0.01
MILE	44.10	793.58	2647.	0.10	27105.	1485.	7.97	0.0300	75.	38.	0.00
MILE	43.70	793.58	2690.	0.19	14078.	1343.	8.26	0.0300	63.	41.	0.01
MILE	42.00	793.58	2824.	0.15	18218.	1311.	6.16	0.0300	138.	44.	0.01
MILE	39.10	793.59	2719.	0.15	17745.	1333.	7.82	0.0230	150.	43.	0.01
MILE	37.00	793.59	2627.	0.08	31155.	1104.	7.17	0.0280	93.	42.	0.00
MILE	36.00	793.59	2614.	0.13	19382.	888.	8.30	0.0280	72.	45.	0.01
MILE	34.60	793.60	2590.	0.09	29589.	1209.	9.58	0.0280	72.	45.	0.00
MILE	33.60	793.60	2497.	0.04	60854.	2112.	8.03	0.0290	93.	51.	0.00
MILE	31.50	793.60	2215.	0.07	30099.	1733.	10.32	0.0250	105.	55.	0.00
MILE	30.10	793.60	2240.	0.07	31655.	871.	9.83	0.0200	75.	53.	0.00
MILE	29.00	793.61	2222.	0.06	35361.	1040.	10.71	0.0200	84.	54.	0.00
MILE	27.30	793.61	2045.	0.06	36723.	1040.	11.12	0.0230	114.	57.	0.00
MILE	25.20	793.62	1748.	0.04	45554.	1038.	11.94	0.0230	126.	59.	0.00
MILE	23.10	793.62	1580.	0.04	37470.	1069.	11.37	0.0230	126.	64.	0.00

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TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.54	2012.	2.77	726.	271.	2.19	0.0290	121.	4.	0.30
MILE	77.70	817.06	2140.	2.07	1033.	187.	2.52	0.0400	121.	6.	0.16
MILE	75.60	811.16	2269.	2.04	1115.	172.	2.63	0.0400	121.	5.	0.14
MILE	73.50	807.59	2409.	1.86	1293.	159.	2.95	0.0330	121.	8.	0.12
MILE	71.40	806.03	2553.	1.49	1711.	237.	2.68	0.0400	121.	8.	0.10
MILE	69.30	802.96	2703.	1.95	1387.	280.	2.37	0.0340	121.	4.	0.15
MILE	67.20	797.96	2853.	2.10	1356.	296.	2.37	0.0340	121.	7.	0.17
MILE	65.10	794.10	3012.	1.49	2017.	320.	3.05	0.0320	121.	7.	0.10
MILE	63.00	793.84	3192.	0.94	3378.	337.	4.57	0.0400	121.	13.	0.05
MILE	60.90	793.65	3346.	0.75	4486.	351.	5.63	0.0450	121.	17.	0.04
MILE	58.80	793.57	1445.	0.26	5584.	349.	6.08	0.0400	-1888.	20.	0.01
MILE	57.00	793.57	1565.	0.25	6183.	390.	5.92	0.0200	110.	19.	0.01
MILE	55.00	793.57	1729.	0.27	6316.	452.	6.45	0.0200	112.	20.	0.01
MILE	53.10	793.58	1835.	0.21	8663.	556.	5.91	0.0200	115.	20.	0.01
MILE	51.00	793.59	1817.	0.19	9427.	905.	6.06	0.0200	138.	24.	0.01
MILE	48.30	793.60	1535.	0.12	12567.	1599.	4.92	0.0200	138.	25.	0.01
MILE	46.20	793.61	1586.	0.10	15195.	1790.	6.67	0.0200	121.	32.	0.01
MILE	44.10	793.62	1262.	0.05	27152.	1487.	7.97	0.0300	72.	38.	0.00
MILE	43.70	793.62	1209.	0.09	14100.	1345.	8.26	0.0300	61.	41.	0.00
MILE	42.00	793.63	985.	0.05	18282.	1313.	6.16	0.0300	133.	44.	0.00
MILE	39.10	793.64	812.	0.05	17790.	1336.	7.82	0.0230	144.	43.	0.00
MILE	37.00	793.65	809.	0.03	31250.	1106.	7.18	0.0280	89.	42.	0.00
MILE	36.00	793.65	810.	0.04	19430.	890.	8.31	0.0280	69.	45.	0.00
MILE	34.60	793.66	785.	0.03	29647.	1212.	9.58	0.0280	69.	45.	0.00
MILE	33.60	793.66	695.	0.01	61014.	2117.	8.04	0.0290	89.	51.	0.00
MILE	31.50	793.67	371.	0.01	30157.	1737.	10.32	0.0250	101.	55.	0.00
MILE	30.10	793.67	151.	0.00	31728.	873.	9.85	0.0200	72.	53.	0.00
MILE	29.00	793.68	83.	0.00	35433.	1042.	10.73	0.0200	81.	54.	0.00
MILE	27.30	793.68	62.	0.00	36794.	1043.	11.13	0.0230	110.	57.	0.00
MILE	25.20	793.68	111.	0.00	45627.	1041.	11.95	0.0230	121.	59.	0.00
MILE	23.10	793.69	43.	0.00	37536.	1072.	11.38	0.0230	121.	64.	0.00

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TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.30	5162.	3.43	1505.	325.	3.03	0.0290	118.	7.	0.28
MILE	77.70	819.44	4781.	2.77	1726.	259.	3.10	0.0400	118.	9.	0.19
MILE	75.60	812.09	3474.	2.55	1362.	196.	2.97	0.0400	118.	6.	0.17
MILE	73.50	807.76	2755.	2.06	1336.	162.	3.01	0.0330	118.	9.	0.13
MILE	71.40	806.04	2609.	1.52	1716.	237.	2.68	0.0400	118.	8.	0.10

MILE	69.30	802.93	2678.	1.94	1377.	280.	2.36	0.0340	118.	4.	0.15
MILE	67.20	797.92	2813.	2.10	1339.	295.	2.36	0.0340	118.	7.	0.17
MILE	65.10	794.07	2966.	1.48	2007.	319.	3.04	0.0320	118.	7.	0.10
MILE	63.00	793.84	3039.	0.90	3380.	338.	4.57	0.0400	118.	13.	0.05
MILE	60.90	793.70	3029.	0.67	4503.	352.	5.64	0.0450	118.	17.	0.03
MILE	58.80	793.64	1037.	0.18	5610.	349.	6.09	0.0400	-1891.	21.	0.01
MILE	57.00	793.65	1028.	0.17	6216.	391.	5.94	0.0200	106.	19.	0.01
MILE	55.00	793.66	968.	0.15	6349.	453.	6.46	0.0200	109.	20.	0.01
MILE	53.10	793.67	875.	0.10	8719.	558.	5.93	0.0200	112.	20.	0.00
MILE	51.00	793.68	742.	0.08	9472.	907.	6.07	0.0200	134.	24.	0.00
MILE	48.30	793.68	552.	0.04	12653.	1603.	4.92	0.0200	134.	25.	0.00
MILE	46.20	793.70	-55.	0.00	15273.	1795.	6.68	0.0200	118.	32.	0.00
MILE	44.10	793.70	-388.	-0.01	27250.	1491.	7.99	0.0300	70.	38.	0.00
MILE	43.70	793.70	-426.	-0.03	14141.	1349.	8.25	0.0300	59.	41.	0.00
MILE	42.00	793.70	-516.	-0.03	18367.	1316.	6.16	0.0300	129.	44.	0.00
MILE	39.10	793.71	-774.	-0.04	17845.	1339.	7.83	0.0230	140.	43.	0.00
MILE	37.00	793.72	-932.	-0.03	31366.	1109.	7.20	0.0280	87.	42.	0.00
MILE	36.00	793.72	-1047.	-0.05	19486.	892.	8.32	0.0280	67.	45.	0.00
MILE	34.60	793.72	-1252.	-0.04	29712.	1215.	9.59	0.0280	67.	45.	0.00
MILE	33.60	793.72	-1362.	-0.02	61183.	2121.	8.05	0.0290	87.	51.	0.00
MILE	31.50	793.73	-1390.	-0.05	30211.	1740.	10.33	0.0250	98.	55.	0.00
MILE	30.10	793.73	-1463.	-0.05	31788.	875.	9.86	0.0200	70.	53.	0.00
MILE	29.00	793.73	-1481.	-0.04	35487.	1044.	10.73	0.0200	78.	54.	0.00
MILE	27.30	793.73	-1483.	-0.04	36840.	1044.	11.13	0.0230	106.	57.	0.00
MILE	25.20	793.73	-1478.	-0.03	45678.	1042.	11.96	0.0230	118.	59.	0.00
MILE	23.10	793.74	-1642.	-0.04	37584.	1073.	11.39	0.0230	118.	64.	0.00

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TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.02	5441.	3.82	1423.	321.	2.93	0.0290	114.	6.	0.32
MILE	77.70	820.33	5563.	2.75	2021.	286.	3.34	0.0400	114.	10.	0.18
MILE	75.60	813.83	5300.	2.88	1839.	240.	3.56	0.0400	114.	7.	0.18
MILE	73.50	809.01	4480.	2.70	1661.	188.	3.39	0.0330	114.	10.	0.16
MILE	71.40	806.73	3686.	1.85	1990.	250.	2.94	0.0400	114.	9.	0.12
MILE	69.30	803.13	3049.	2.09	1462.	286.	2.43	0.0340	114.	4.	0.16
MILE	67.20	797.96	2881.	2.13	1353.	296.	2.36	0.0340	114.	7.	0.18
MILE	65.10	794.16	2923.	1.43	2042.	322.	3.07	0.0320	114.	7.	0.10
MILE	63.00	793.97	2876.	0.84	3421.	339.	4.60	0.0400	114.	13.	0.05
MILE	60.90	793.84	2845.	0.63	4550.	353.	5.67	0.0450	114.	17.	0.03
MILE	58.80	793.80	764.	0.13	5667.	351.	6.11	0.0400	-1894.	21.	0.01
MILE	57.00	793.80	685.	0.11	6281.	393.	5.97	0.0200	103.	19.	0.00
MILE	55.00	793.80	598.	0.09	6401.	455.	6.48	0.0200	106.	20.	0.00
MILE	53.10	793.80	540.	0.06	8795.	561.	5.95	0.0200	109.	21.	0.00
MILE	51.00	793.79	428.	0.04	9532.	911.	6.09	0.0200	130.	25.	0.00
MILE	48.30	793.79	-36.	0.00	12773.	1609.	4.92	0.0200	130.	25.	0.00

MILE	46.20	793.79	-459.	-0.03	15356.	1801.	6.70	0.0200	114.	32.	0.00
MILE	44.10	793.79	-844.	-0.03	27358.	1496.	8.00	0.0300	68.	39.	0.00
MILE	43.70	793.79	-901.	-0.06	14188.	1353.	8.25	0.0300	57.	41.	0.00
MILE	42.00	793.79	-1121.	-0.06	18472.	1320.	6.16	0.0300	125.	44.	0.00
MILE	39.10	793.79	-1494.	-0.08	17910.	1343.	7.84	0.0230	136.	43.	0.00
MILE	37.00	793.78	-1575.	-0.05	31470.	1111.	7.21	0.0280	84.	42.	0.00
MILE	36.00	793.79	-1633.	-0.08	19537.	894.	8.32	0.0280	65.	45.	0.00
MILE	34.60	793.79	-1755.	-0.06	29778.	1217.	9.60	0.0280	65.	45.	0.00
MILE	33.60	793.79	-1858.	-0.03	61362.	2126.	8.07	0.0290	84.	51.	0.00
MILE	31.50	793.79	-2033.	-0.07	30267.	1744.	10.34	0.0250	95.	55.	0.00
MILE	30.10	793.79	-2189.	-0.07	31846.	876.	9.87	0.0200	68.	53.	0.00
MILE	29.00	793.79	-2251.	-0.06	35543.	1046.	10.74	0.0200	76.	54.	0.00
MILE	27.30	793.79	-2308.	-0.06	36900.	1047.	11.14	0.0230	103.	57.	0.00
MILE	25.20	793.79	-2308.	-0.05	45744.	1045.	11.97	0.0230	114.	59.	0.00
MILE	23.10	793.79	-2429.	-0.06	37631.	1075.	11.40	0.0230	114.	64.	0.00

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TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	824.97	5436.	3.86	1409.	320.	2.91	0.0290	112.	6.	0.32
MILE	77.70	820.39	5521.	2.71	2040.	288.	3.36	0.0400	112.	10.	0.18
MILE	75.60	814.29	5569.	2.83	1965.	252.	3.70	0.0400	112.	8.	0.18
MILE	73.50	809.97	5419.	2.82	1922.	207.	3.66	0.0330	112.	11.	0.16
MILE	71.40	807.78	5046.	2.09	2414.	270.	3.31	0.0400	112.	10.	0.12
MILE	69.30	803.91	4373.	2.41	1814.	312.	2.70	0.0340	112.	5.	0.18
MILE	67.20	798.42	3639.	2.31	1575.	318.	2.46	0.0340	112.	8.	0.18
MILE	65.10	794.37	3229.	1.52	2122.	330.	3.14	0.0320	112.	7.	0.11
MILE	63.00	794.13	3066.	0.88	3477.	342.	4.63	0.0400	112.	13.	0.05
MILE	60.90	793.98	2972.	0.65	4598.	355.	5.71	0.0450	112.	17.	0.03
MILE	58.80	793.92	932.	0.16	5713.	353.	6.13	0.0400	-1896.	21.	0.01
MILE	57.00	793.91	938.	0.15	6329.	395.	6.00	0.0200	101.	19.	0.01
MILE	55.00	793.91	949.	0.15	6441.	457.	6.49	0.0200	104.	20.	0.01
MILE	53.10	793.90	913.	0.10	8859.	563.	5.98	0.0200	106.	21.	0.00
MILE	51.00	793.90	758.	0.08	9585.	914.	6.10	0.0200	128.	25.	0.00
MILE	48.30	793.89	388.	0.03	12883.	1615.	4.91	0.0200	128.	25.	0.00
MILE	46.20	793.89	161.	0.01	15442.	1807.	6.71	0.0200	112.	32.	0.00
MILE	44.10	793.88	-261.	-0.01	27469.	1500.	8.02	0.0300	67.	39.	0.00
MILE	43.70	793.88	-325.	-0.02	14237.	1357.	8.24	0.0300	56.	41.	0.00
MILE	42.00	793.88	-570.	-0.03	18579.	1324.	6.16	0.0300	122.	44.	0.00
MILE	39.10	793.87	-832.	-0.05	17973.	1347.	7.84	0.0230	133.	43.	0.00
MILE	37.00	793.87	-955.	-0.03	31604.	1115.	7.23	0.0280	82.	43.	0.00
MILE	36.00	793.86	-979.	-0.05	19599.	897.	8.33	0.0280	64.	45.	0.00
MILE	34.60	793.86	-1016.	-0.03	29844.	1220.	9.61	0.0280	64.	45.	0.00
MILE	33.60	793.86	-1125.	-0.02	61531.	2131.	8.08	0.0290	82.	51.	0.00
MILE	31.50	793.86	-1496.	-0.05	30329.	1748.	10.35	0.0250	93.	55.	0.00
MILE	30.10	793.86	-1623.	-0.05	31918.	879.	9.88	0.0200	67.	53.	0.00

MILE	29.00	793.85	-1654.	-0.05	35607.	1049.	10.75	0.0200	74.	54.	0.00
MILE	27.30	793.85	-1675.	-0.05	36953.	1048.	11.15	0.0230	101.	57.	0.00
MILE	25.20	793.84	-1684.	-0.04	45801.	1046.	11.98	0.0230	112.	59.	0.00
MILE	23.10	793.84	-1675.	-0.04	37678.	1077.	11.40	0.0230	112.	64.	0.00

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TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.00	5433.	3.84	1416.	321.	2.92	0.0290	109.	6.	0.32
MILE	77.70	820.40	5532.	2.70	2046.	288.	3.37	0.0400	109.	10.	0.18
MILE	75.60	814.40	5609.	2.81	1997.	255.	3.74	0.0400	109.	8.	0.18
MILE	73.50	810.30	5622.	2.79	2013.	214.	3.75	0.0330	109.	11.	0.16
MILE	71.40	808.23	5556.	2.14	2595.	278.	3.46	0.0400	109.	10.	0.12
MILE	69.30	804.56	5390.	2.54	2122.	333.	2.90	0.0340	109.	6.	0.18
MILE	67.20	799.27	4997.	2.47	2023.	359.	2.64	0.0340	109.	9.	0.18
MILE	65.10	794.77	4230.	1.86	2276.	344.	3.27	0.0320	109.	8.	0.13
MILE	63.00	794.39	3831.	1.07	3565.	345.	4.68	0.0400	109.	13.	0.06
MILE	60.90	794.14	3665.	0.79	4651.	357.	5.75	0.0450	109.	18.	0.04
MILE	58.80	794.03	1650.	0.29	5753.	354.	6.14	0.0400	-1898.	21.	0.01
MILE	57.00	794.02	1636.	0.26	6373.	396.	6.02	0.0200	99.	19.	0.01
MILE	55.00	794.00	1586.	0.24	6477.	458.	6.50	0.0200	102.	21.	0.01
MILE	53.10	793.99	1534.	0.17	8912.	564.	5.99	0.0200	104.	21.	0.01
MILE	51.00	793.98	1482.	0.15	9625.	917.	6.11	0.0200	125.	25.	0.01
MILE	48.30	793.96	1424.	0.11	12962.	1619.	4.91	0.0200	125.	25.	0.01
MILE	46.20	793.96	1021.	0.07	15505.	1811.	6.72	0.0200	109.	32.	0.00
MILE	44.10	793.95	957.	0.03	27549.	1504.	8.03	0.0300	65.	39.	0.00
MILE	43.70	793.95	976.	0.07	14271.	1361.	8.24	0.0300	55.	41.	0.00
MILE	42.00	793.93	1240.	0.07	18639.	1327.	6.16	0.0300	120.	44.	0.00
MILE	39.10	793.86	2413.	0.13	17969.	1346.	7.84	0.0230	130.	43.	0.01
MILE	37.00	793.82	3580.	0.11	31524.	1113.	7.22	0.0280	81.	43.	0.00
MILE	36.00	793.80	4074.	0.21	19547.	895.	8.32	0.0280	63.	45.	0.01
MILE	34.60	793.77	4797.	0.16	29759.	1217.	9.60	0.0280	63.	45.	0.01
MILE	33.60	793.76	5500.	0.09	61277.	2124.	8.06	0.0290	81.	51.	0.00
MILE	31.50	793.73	7181.	0.24	30217.	1741.	10.33	0.0250	91.	55.	0.01
MILE	30.10	793.70	8148.	0.26	31760.	874.	9.85	0.0200	65.	53.	0.01
MILE	29.00	793.69	8756.	0.25	35441.	1043.	10.73	0.0200	73.	54.	0.01
MILE	27.30	793.66	9752.	0.27	36772.	1042.	11.12	0.0230	99.	57.	0.01
MILE	25.20	793.63	10736.	0.24	45564.	1039.	11.95	0.0230	109.	59.	0.01
MILE	23.10	793.59	11559.	0.31	37441.	1068.	11.36	0.0230	109.	64.	0.01

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TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	824.99	5411.	3.82	1415.	321.	2.92	0.0290	107.	6.	0.32
MILE	77.70	820.40	5516.	2.70	2045.	288.	3.36	0.0400	107.	10.	0.18
MILE	75.60	814.44	5624.	2.80	2009.	256.	3.75	0.0400	107.	8.	0.18
MILE	73.50	810.42	5714.	2.79	2049.	217.	3.78	0.0330	107.	11.	0.16
MILE	71.40	808.41	5773.	2.16	2669.	282.	3.52	0.0400	107.	11.	0.12
MILE	69.30	804.84	5782.	2.57	2254.	342.	2.98	0.0340	107.	6.	0.18
MILE	67.20	799.74	5651.	2.46	2292.	381.	2.74	0.0340	107.	9.	0.18
MILE	65.10	795.25	5208.	2.12	2462.	364.	3.42	0.0320	107.	8.	0.14
MILE	63.00	794.70	4859.	1.32	3673.	350.	4.74	0.0400	107.	14.	0.07
MILE	60.90	794.30	4746.	1.01	4705.	359.	5.78	0.0450	107.	18.	0.05
MILE	58.80	794.12	2754.	0.48	5785.	355.	6.15	0.0400	-1900.	21.	0.02
MILE	57.00	794.09	2813.	0.44	6403.	397.	6.04	0.0200	97.	19.	0.02
MILE	55.00	794.05	2974.	0.46	6493.	459.	6.51	0.0200	100.	21.	0.02
MILE	53.10	794.00	3316.	0.37	8916.	565.	5.99	0.0200	102.	21.	0.02
MILE	51.00	793.93	4044.	0.42	9603.	916.	6.10	0.0200	123.	25.	0.02
MILE	48.30	793.84	5893.	0.46	12822.	1612.	4.92	0.0200	123.	25.	0.03
MILE	46.20	793.79	7623.	0.50	15354.	1801.	6.70	0.0200	107.	32.	0.03
MILE	44.10	793.75	9114.	0.33	27310.	1493.	8.00	0.0300	64.	39.	0.01
MILE	43.70	793.74	9341.	0.66	14160.	1351.	8.25	0.0300	54.	41.	0.04
MILE	42.00	793.68	10184.	0.56	18345.	1315.	6.16	0.0300	118.	44.	0.03
MILE	39.10	793.62	11008.	0.62	17770.	1335.	7.82	0.0230	128.	43.	0.03
MILE	37.00	793.63	10701.	0.34	31217.	1105.	7.18	0.0280	79.	42.	0.01
MILE	36.00	793.62	10588.	0.55	19407.	889.	8.31	0.0280	61.	45.	0.02
MILE	34.60	793.62	10456.	0.35	29612.	1210.	9.58	0.0280	61.	45.	0.01
MILE	33.60	793.62	10330.	0.17	60915.	2114.	8.03	0.0290	79.	51.	0.01
MILE	31.50	793.62	10070.	0.33	30120.	1734.	10.32	0.0250	89.	55.	0.01
MILE	30.10	793.63	9949.	0.31	31680.	871.	9.84	0.0200	64.	53.	0.01
MILE	29.00	793.63	9809.	0.28	35385.	1041.	10.72	0.0200	72.	54.	0.01
MILE	27.30	793.63	9435.	0.26	36746.	1041.	11.12	0.0230	97.	57.	0.01
MILE	25.20	793.65	9057.	0.20	45591.	1039.	11.95	0.0230	107.	59.	0.01
MILE	23.10	793.67	8895.	0.24	37517.	1071.	11.38	0.0230	107.	64.	0.01

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TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.09	2237.	3.64	615.	262.	2.03	0.0290	105.	3.	0.42
MILE	77.70	818.63	3060.	2.08	1473.	234.	2.91	0.0400	105.	8.	0.15
MILE	75.60	813.75	4322.	2.38	1817.	238.	3.54	0.0400	105.	7.	0.15
MILE	73.50	810.24	5190.	2.60	1998.	213.	3.73	0.0330	105.	11.	0.15
MILE	71.40	808.40	5626.	2.11	2664.	282.	3.51	0.0400	105.	11.	0.12
MILE	69.30	804.90	5822.	2.55	2284.	344.	3.00	0.0340	105.	6.	0.17
MILE	67.20	799.91	5848.	2.44	2392.	389.	2.77	0.0340	105.	9.	0.17
MILE	65.10	795.52	5710.	2.22	2568.	376.	3.51	0.0320	105.	9.	0.15

MILE	63.00	794.80	5766.	1.55	3708.	351.	4.75	0.0400	105.	14.	0.08
MILE	60.90	794.13	6187.	1.33	4648.	357.	5.74	0.0450	105.	18.	0.06
MILE	58.80	793.74	4833.	0.86	5646.	351.	6.10	0.0400	-1902.	21.	0.04
MILE	57.00	793.70	5373.	0.86	6239.	392.	5.95	0.0200	95.	19.	0.04
MILE	55.00	793.66	5965.	0.94	6349.	453.	6.46	0.0200	98.	20.	0.04
MILE	53.10	793.64	6492.	0.75	8701.	558.	5.93	0.0200	100.	20.	0.03
MILE	51.00	793.63	7040.	0.75	9448.	906.	6.06	0.0200	120.	24.	0.04
MILE	48.30	793.64	7303.	0.58	12604.	1601.	4.92	0.0200	120.	25.	0.04
MILE	46.20	793.64	7512.	0.49	15228.	1792.	6.67	0.0200	105.	32.	0.03
MILE	44.10	793.66	7647.	0.28	27208.	1489.	7.98	0.0300	63.	38.	0.01
MILE	43.70	793.66	7645.	0.54	14123.	1347.	8.26	0.0300	53.	41.	0.03
MILE	42.00	793.69	7423.	0.40	18350.	1316.	6.16	0.0300	115.	44.	0.02
MILE	39.10	793.73	6503.	0.36	17863.	1340.	7.83	0.0230	125.	43.	0.02
MILE	37.00	793.76	6141.	0.20	31433.	1110.	7.21	0.0280	78.	42.	0.01
MILE	36.00	793.77	6014.	0.31	19526.	894.	8.32	0.0280	60.	45.	0.01
MILE	34.60	793.79	5743.	0.19	29780.	1218.	9.60	0.0280	60.	45.	0.01
MILE	33.60	793.80	5271.	0.09	61388.	2127.	8.07	0.0290	78.	51.	0.00
MILE	31.50	793.82	3832.	0.13	30296.	1746.	10.35	0.0250	88.	55.	0.01
MILE	30.10	793.84	3251.	0.10	31899.	878.	9.88	0.0200	63.	53.	0.00
MILE	29.00	793.85	2919.	0.08	35604.	1049.	10.75	0.0200	70.	54.	0.00
MILE	27.30	793.87	2330.	0.06	36976.	1049.	11.15	0.0230	95.	57.	0.00
MILE	25.20	793.88	1659.	0.04	45843.	1048.	11.98	0.0230	105.	59.	0.00
MILE	23.10	793.89	1225.	0.03	37726.	1079.	11.41	0.0230	105.	64.	0.00

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TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	821.96	2000.	3.43	583.	260.	1.97	0.0290	103.	3.	0.40
MILE	77.70	817.34	2231.	2.01	1108.	195.	2.59	0.0400	103.	7.	0.15
MILE	75.60	812.33	2858.	2.00	1427.	202.	3.06	0.0400	103.	6.	0.13
MILE	73.50	809.30	3742.	2.15	1738.	194.	3.47	0.0330	103.	10.	0.13
MILE	71.40	807.80	4499.	1.86	2422.	270.	3.31	0.0400	103.	10.	0.11
MILE	69.30	804.61	5150.	2.40	2146.	334.	2.92	0.0340	103.	6.	0.17
MILE	67.20	799.84	5603.	2.39	2349.	385.	2.76	0.0340	103.	9.	0.17
MILE	65.10	795.46	5847.	2.30	2545.	373.	3.49	0.0320	103.	8.	0.16
MILE	63.00	794.65	6126.	1.68	3657.	349.	4.73	0.0400	103.	14.	0.09
MILE	60.90	793.93	6282.	1.37	4582.	354.	5.70	0.0450	103.	17.	0.07
MILE	58.80	793.61	4248.	0.76	5599.	349.	6.09	0.0400	-1904.	21.	0.03
MILE	57.00	793.61	4207.	0.68	6199.	391.	5.93	0.0200	93.	19.	0.03
MILE	55.00	793.62	4138.	0.65	6332.	452.	6.45	0.0200	96.	20.	0.03
MILE	53.10	793.64	3955.	0.45	8702.	558.	5.93	0.0200	98.	20.	0.02
MILE	51.00	793.68	3501.	0.37	9475.	908.	6.07	0.0200	118.	24.	0.02
MILE	48.30	793.74	2453.	0.19	12714.	1606.	4.92	0.0200	118.	25.	0.01
MILE	46.20	793.78	1475.	0.10	15345.	1800.	6.69	0.0200	103.	32.	0.01
MILE	44.10	793.81	351.	0.01	27383.	1497.	8.01	0.0300	61.	39.	0.00
MILE	43.70	793.82	216.	0.02	14202.	1354.	8.24	0.0300	52.	41.	0.00

MILE	42.00	793.84	-6.	0.00	18531.	1323.	6.16	0.0300	113.	44.	0.00
MILE	39.10	793.83	860.	0.05	17944.	1345.	7.84	0.0230	123.	43.	0.00
MILE	37.00	793.82	1554.	0.05	31525.	1113.	7.22	0.0280	76.	43.	0.00
MILE	36.00	793.82	1857.	0.09	19561.	895.	8.32	0.0280	59.	45.	0.00
MILE	34.60	793.81	2318.	0.08	29801.	1218.	9.60	0.0280	59.	45.	0.00
MILE	33.60	793.81	2775.	0.05	61415.	2127.	8.07	0.0290	76.	51.	0.00
MILE	31.50	793.80	3841.	0.13	30277.	1745.	10.34	0.0250	86.	55.	0.01
MILE	30.10	793.80	4406.	0.14	31855.	877.	9.87	0.0200	61.	53.	0.00
MILE	29.00	793.79	4824.	0.14	35546.	1047.	10.74	0.0200	69.	54.	0.00
MILE	27.30	793.78	5633.	0.15	36892.	1046.	11.14	0.0230	93.	57.	0.00
MILE	25.20	793.77	6493.	0.14	45724.	1044.	11.97	0.0230	103.	59.	0.00
MILE	23.10	793.76	7016.	0.19	37603.	1074.	11.39	0.0230	103.	64.	0.01

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TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.28	2000.	3.03	661.	266.	2.09	0.0290	101.	4.	0.34
MILE	77.70	816.97	2054.	2.04	1009.	184.	2.49	0.0400	101.	6.	0.15
MILE	75.60	811.33	2207.	1.90	1160.	177.	2.69	0.0400	101.	5.	0.13
MILE	73.50	808.32	2766.	1.87	1481.	174.	3.18	0.0330	101.	9.	0.11
MILE	71.40	806.97	3373.	1.62	2087.	254.	3.03	0.0400	101.	9.	0.10
MILE	69.30	803.99	4055.	2.19	1850.	314.	2.72	0.0340	101.	5.	0.16
MILE	67.20	799.42	4763.	2.26	2106.	366.	2.67	0.0340	101.	9.	0.17
MILE	65.10	795.32	5394.	2.17	2489.	367.	3.45	0.0320	101.	8.	0.15
MILE	63.00	794.69	5561.	1.52	3668.	350.	4.73	0.0400	101.	14.	0.08
MILE	60.90	794.19	5355.	1.15	4669.	357.	5.76	0.0450	101.	18.	0.06
MILE	58.80	794.01	2973.	0.52	5746.	354.	6.14	0.0400	-1906.	21.	0.02
MILE	57.00	794.01	2625.	0.41	6372.	396.	6.02	0.0200	92.	19.	0.02
MILE	55.00	794.00	2254.	0.35	6478.	458.	6.50	0.0200	94.	21.	0.02
MILE	53.10	793.98	2104.	0.24	8903.	564.	5.99	0.0200	97.	21.	0.01
MILE	51.00	793.92	2285.	0.24	9596.	915.	6.10	0.0200	116.	25.	0.01
MILE	48.30	793.84	3266.	0.25	12825.	1612.	4.92	0.0200	116.	25.	0.02
MILE	46.20	793.82	3250.	0.21	15382.	1803.	6.70	0.0200	101.	32.	0.01
MILE	44.10	793.78	3766.	0.14	27352.	1495.	8.00	0.0300	60.	39.	0.01
MILE	43.70	793.78	3839.	0.27	14182.	1353.	8.25	0.0300	51.	41.	0.01
MILE	42.00	793.75	4010.	0.22	18424.	1318.	6.16	0.0300	111.	44.	0.01
MILE	39.10	793.76	3093.	0.17	17882.	1341.	7.83	0.0230	121.	43.	0.01
MILE	37.00	793.80	1815.	0.06	31488.	1112.	7.22	0.0280	75.	42.	0.00
MILE	36.00	793.81	1287.	0.07	19552.	895.	8.32	0.0280	58.	45.	0.00
MILE	34.60	793.81	564.	0.02	29802.	1218.	9.60	0.0280	58.	45.	0.00
MILE	33.60	793.82	-47.	0.00	61435.	2128.	8.07	0.0290	75.	51.	0.00
MILE	31.50	793.84	-1260.	-0.04	30309.	1747.	10.35	0.0250	85.	55.	0.00
MILE	30.10	793.85	-1943.	-0.06	31915.	878.	9.88	0.0200	60.	53.	0.00
MILE	29.00	793.86	-2422.	-0.07	35619.	1049.	10.76	0.0200	68.	54.	0.00
MILE	27.30	793.88	-3323.	-0.09	36989.	1050.	11.16	0.0230	92.	57.	0.00
MILE	25.20	793.91	-4196.	-0.09	45876.	1049.	11.99	0.0230	101.	59.	0.00

MILE	23.10	793.96	-4921.	-0.13	37792.	1082.	11.42	0.0230	101.	64.	0.00

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TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.58	2000.	2.72	737.	272.	2.20	0.0290	100.	4.	0.29
MILE	77.70	816.90	2016.	2.04	991.	182.	2.47	0.0400	100.	6.	0.15
MILE	75.60	810.98	2072.	1.94	1066.	168.	2.56	0.0400	100.	4.	0.14
MILE	73.50	807.70	2329.	1.76	1321.	161.	2.99	0.0330	100.	9.	0.11
MILE	71.40	806.32	2705.	1.48	1827.	242.	2.79	0.0400	100.	9.	0.09
MILE	69.30	803.42	3247.	2.04	1591.	296.	2.54	0.0340	100.	5.	0.15
MILE	67.20	798.87	3866.	2.15	1802.	339.	2.56	0.0340	100.	8.	0.16
MILE	65.10	795.15	4532.	1.87	2424.	359.	3.39	0.0320	100.	8.	0.13
MILE	63.00	794.65	4972.	1.36	3656.	349.	4.73	0.0400	100.	14.	0.07
MILE	60.90	794.16	5512.	1.18	4657.	357.	5.75	0.0450	100.	18.	0.06
MILE	58.80	793.89	4016.	0.70	5699.	352.	6.12	0.0400	-1907.	21.	0.03
MILE	57.00	793.87	4367.	0.69	6312.	394.	5.99	0.0200	90.	19.	0.03
MILE	55.00	793.86	4733.	0.74	6424.	456.	6.49	0.0200	93.	20.	0.03
MILE	53.10	793.87	4945.	0.56	8838.	562.	5.97	0.0200	95.	21.	0.02
MILE	51.00	793.89	4762.	0.50	9582.	914.	6.10	0.0200	114.	25.	0.03
MILE	48.30	793.96	2789.	0.22	12959.	1618.	4.91	0.0200	114.	25.	0.01
MILE	46.20	793.98	1442.	0.09	15523.	1813.	6.73	0.0200	100.	32.	0.01
MILE	44.10	794.02	-422.	-0.02	27630.	1507.	8.04	0.0300	59.	39.	0.00
MILE	43.70	794.03	-730.	-0.05	14312.	1364.	8.23	0.0300	50.	41.	0.00
MILE	42.00	794.07	-2007.	-0.11	18811.	1333.	6.16	0.0300	109.	44.	-0.01
MILE	39.10	794.10	-3223.	-0.18	18160.	1357.	7.87	0.0230	119.	43.	-0.01
MILE	37.00	794.09	-3012.	-0.09	31956.	1123.	7.28	0.0280	74.	43.	0.00
MILE	36.00	794.09	-2932.	-0.15	19779.	904.	8.35	0.0280	57.	45.	-0.01
MILE	34.60	794.09	-2944.	-0.10	30080.	1230.	9.64	0.0280	57.	46.	0.00
MILE	33.60	794.10	-3146.	-0.05	62175.	2148.	8.13	0.0290	74.	51.	0.00
MILE	31.50	794.09	-3925.	-0.13	30538.	1762.	10.38	0.0250	83.	55.	-0.01
MILE	30.10	794.09	-4236.	-0.13	32159.	886.	9.92	0.0200	59.	53.	0.00
MILE	29.00	794.09	-4328.	-0.12	35840.	1057.	10.79	0.0200	67.	54.	0.00
MILE	27.30	794.09	-4348.	-0.12	37187.	1057.	11.19	0.0230	90.	57.	0.00
MILE	25.20	794.07	-4328.	-0.09	46043.	1054.	12.01	0.0230	100.	60.	0.00
MILE	23.10	794.03	-4302.	-0.11	37859.	1084.	11.43	0.0230	100.	64.	0.00

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TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.75	2000.	2.57	779.	276.	2.26	0.0290	98.	4.	0.27

MILE	77.70	816.95	2056.	2.05	1003.	183.	2.48	0.0400	98.	6.	0.15
MILE	75.60	810.97	2119.	1.99	1065.	168.	2.55	0.0400	98.	4.	0.14
MILE	73.50	807.43	2230.	1.78	1253.	156.	2.90	0.0330	98.	8.	0.11
MILE	71.40	805.96	2434.	1.44	1686.	235.	2.65	0.0400	98.	8.	0.10
MILE	69.30	803.05	2771.	1.94	1426.	283.	2.40	0.0340	98.	4.	0.15
MILE	67.20	798.34	3187.	2.07	1536.	314.	2.45	0.0340	98.	8.	0.17
MILE	65.10	794.71	3826.	1.70	2251.	342.	3.25	0.0320	98.	8.	0.12
MILE	63.00	794.34	4273.	1.20	3550.	345.	4.67	0.0400	98.	13.	0.07
MILE	60.90	794.11	4104.	0.88	4640.	356.	5.74	0.0450	98.	18.	0.04
MILE	58.80	794.07	1535.	0.27	5768.	355.	6.14	0.0400	-1909.	21.	0.01
MILE	57.00	794.11	1129.	0.18	6412.	398.	6.04	0.0200	89.	19.	0.01
MILE	55.00	794.15	652.	0.10	6533.	461.	6.52	0.0200	91.	21.	0.00
MILE	53.10	794.19	119.	0.01	9034.	568.	6.03	0.0200	94.	21.	0.00
MILE	51.00	794.21	-504.	-0.05	9745.	924.	6.14	0.0200	112.	25.	0.00
MILE	48.30	794.19	-369.	-0.03	13222.	1631.	4.91	0.0200	112.	25.	0.00
MILE	46.20	794.20	-927.	-0.06	15722.	1827.	6.77	0.0200	98.	32.	0.00
MILE	44.10	794.19	-1018.	-0.04	27834.	1516.	8.07	0.0300	58.	39.	0.00
MILE	43.70	794.18	-1014.	-0.07	14396.	1372.	8.22	0.0300	49.	41.	0.00
MILE	42.00	794.16	-920.	-0.05	18928.	1338.	6.16	0.0300	108.	44.	0.00
MILE	39.10	794.15	-1019.	-0.06	18207.	1360.	7.87	0.0230	117.	43.	0.00
MILE	37.00	794.17	-2227.	-0.07	32098.	1126.	7.30	0.0280	73.	43.	0.00
MILE	36.00	794.18	-2662.	-0.13	19850.	906.	8.36	0.0280	56.	45.	-0.01
MILE	34.60	794.18	-3159.	-0.10	30160.	1234.	9.65	0.0280	56.	46.	0.00
MILE	33.60	794.18	-3604.	-0.06	62388.	2154.	8.14	0.0290	73.	51.	0.00
MILE	31.50	794.18	-4588.	-0.15	30621.	1768.	10.40	0.0250	82.	55.	-0.01
MILE	30.10	794.19	-5033.	-0.16	32264.	889.	9.94	0.0200	58.	53.	0.00
MILE	29.00	794.19	-5313.	-0.15	35942.	1061.	10.81	0.0200	66.	54.	0.00
MILE	27.30	794.19	-5821.	-0.16	37293.	1061.	11.20	0.0230	89.	57.	0.00
MILE	25.20	794.21	-6334.	-0.14	46206.	1060.	12.03	0.0230	98.	60.	0.00
MILE	23.10	794.24	-6860.	-0.18	38058.	1092.	11.46	0.0230	98.	64.	-0.01

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TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.75	2000.	2.56	780.	276.	2.26	0.0290	97.	4.	0.27
MILE	77.70	817.00	2095.	2.06	1017.	185.	2.50	0.0400	97.	6.	0.15
MILE	75.60	811.03	2177.	2.02	1080.	169.	2.58	0.0400	97.	5.	0.14
MILE	73.50	807.38	2254.	1.82	1239.	155.	2.89	0.0330	97.	8.	0.11
MILE	71.40	805.84	2371.	1.45	1637.	233.	2.60	0.0400	97.	8.	0.10
MILE	69.30	802.85	2558.	1.91	1342.	277.	2.33	0.0340	97.	4.	0.15
MILE	67.20	798.02	2828.	2.05	1382.	299.	2.38	0.0340	97.	7.	0.17
MILE	65.10	794.75	3112.	1.37	2267.	343.	3.26	0.0320	97.	8.	0.09
MILE	63.00	794.58	2969.	0.82	3630.	348.	4.71	0.0400	97.	14.	0.04
MILE	60.90	794.42	3108.	0.65	4746.	360.	5.81	0.0450	97.	18.	0.03
MILE	58.80	794.35	1279.	0.22	5873.	358.	6.18	0.0400	-1910.	21.	0.01
MILE	57.00	794.34	1291.	0.20	6513.	401.	6.09	0.0200	87.	20.	0.01

MILE	55.00	794.32	1232.	0.19	6597.	463.	6.55	0.0200	90.	21.	0.01
MILE	53.10	794.30	1263.	0.14	9098.	570.	6.05	0.0200	92.	21.	0.01
MILE	51.00	794.28	1305.	0.13	9778.	926.	6.15	0.0200	110.	25.	0.01
MILE	48.30	794.30	36.	0.00	13347.	1637.	4.90	0.0200	110.	25.	0.00
MILE	46.20	794.31	-1305.	-0.08	15813.	1833.	6.78	0.0200	97.	33.	0.00
MILE	44.10	794.32	-2258.	-0.08	27993.	1523.	8.10	0.0300	58.	39.	0.00
MILE	43.70	794.32	-2417.	-0.17	14470.	1378.	8.21	0.0300	48.	41.	-0.01
MILE	42.00	794.35	-3128.	-0.16	19153.	1346.	6.16	0.0300	106.	44.	-0.01
MILE	39.10	794.35	-3944.	-0.21	18372.	1369.	7.89	0.0230	115.	43.	-0.01
MILE	37.00	794.35	-3757.	-0.12	32381.	1133.	7.34	0.0280	71.	43.	0.00
MILE	36.00	794.35	-3647.	-0.18	19988.	912.	8.37	0.0280	55.	45.	-0.01
MILE	34.60	794.34	-3521.	-0.12	30327.	1241.	9.67	0.0280	55.	46.	0.00
MILE	33.60	794.34	-3519.	-0.06	62832.	2166.	8.17	0.0290	71.	51.	0.00
MILE	31.50	794.34	-3694.	-0.12	30762.	1777.	10.42	0.0250	81.	56.	-0.01
MILE	30.10	794.33	-3642.	-0.11	32412.	893.	9.97	0.0200	58.	54.	0.00
MILE	29.00	794.32	-3625.	-0.10	36078.	1066.	10.83	0.0200	64.	55.	0.00
MILE	27.30	794.32	-3686.	-0.10	37420.	1066.	11.22	0.0230	87.	57.	0.00
MILE	25.20	794.31	-3876.	-0.08	46305.	1063.	12.04	0.0230	97.	60.	0.00
MILE	23.10	794.29	-3999.	-0.10	38106.	1094.	11.47	0.0230	97.	64.	0.00

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TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.73	2000.	2.59	773.	275.	2.25	0.0290	95.	4.	0.27
MILE	77.70	817.02	2102.	2.06	1021.	185.	2.50	0.0400	95.	6.	0.15
MILE	75.60	811.06	2201.	2.02	1089.	170.	2.59	0.0400	95.	5.	0.14
MILE	73.50	807.40	2292.	1.84	1244.	155.	2.89	0.0330	95.	8.	0.11
MILE	71.40	805.83	2393.	1.46	1635.	233.	2.60	0.0400	95.	8.	0.10
MILE	69.30	802.80	2514.	1.90	1320.	275.	2.31	0.0340	95.	4.	0.15
MILE	67.20	797.86	2649.	2.02	1309.	292.	2.34	0.0340	95.	7.	0.17
MILE	65.10	794.73	2873.	1.27	2258.	342.	3.25	0.0320	95.	8.	0.09
MILE	63.00	794.55	3079.	0.85	3620.	348.	4.71	0.0400	95.	14.	0.05
MILE	60.90	794.46	2921.	0.61	4759.	361.	5.82	0.0450	95.	18.	0.03
MILE	58.80	794.45	542.	0.09	5912.	359.	6.19	0.0400	-1912.	21.	0.00
MILE	57.00	794.46	444.	0.07	6566.	403.	6.12	0.0200	86.	20.	0.00
MILE	55.00	794.48	442.	0.07	6656.	466.	6.57	0.0200	88.	21.	0.00
MILE	53.10	794.49	318.	0.03	9219.	574.	6.09	0.0200	91.	21.	0.00
MILE	51.00	794.51	17.	0.00	9896.	934.	6.18	0.0200	109.	25.	0.00
MILE	48.30	794.48	55.	0.00	13552.	1647.	4.90	0.0200	109.	26.	0.00
MILE	46.20	794.47	321.	0.02	15956.	1843.	6.81	0.0200	95.	33.	0.00
MILE	44.10	794.45	7.	0.00	28145.	1529.	8.12	0.0300	57.	39.	0.00
MILE	43.70	794.44	-52.	0.00	14534.	1384.	8.20	0.0300	48.	41.	0.00
MILE	42.00	794.42	-336.	-0.02	19249.	1349.	6.16	0.0300	104.	44.	0.00
MILE	39.10	794.38	-113.	-0.01	18392.	1370.	7.89	0.0230	113.	43.	0.00
MILE	37.00	794.35	-16.	0.00	32380.	1133.	7.34	0.0280	70.	43.	0.00
MILE	36.00	794.34	17.	0.00	19983.	912.	8.37	0.0280	54.	45.	0.00

MILE	34.60	794.33	50.	0.00	30314.	1240.	9.67	0.0280	54.	46.	0.00
MILE	33.60	794.32	53.	0.00	62785.	2165.	8.17	0.0290	70.	51.	0.00
MILE	31.50	794.31	-5.	0.00	30737.	1775.	10.41	0.0250	79.	56.	0.00
MILE	30.10	794.31	-54.	0.00	32392.	893.	9.96	0.0200	57.	54.	0.00
MILE	29.00	794.31	-8.	0.00	36060.	1065.	10.83	0.0200	63.	55.	0.00
MILE	27.30	794.30	193.	0.01	37394.	1065.	11.22	0.0230	86.	57.	0.00
MILE	25.20	794.29	483.	0.01	46291.	1063.	12.04	0.0230	95.	60.	0.00
MILE	23.10	794.28	736.	0.02	38096.	1093.	11.47	0.0230	95.	64.	0.00

0DATE 5-09-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.71	2000.	2.61	767.	275.	2.24	0.0290	93.	4.	0.27
MILE	77.70	817.01	2102.	2.06	1020.	185.	2.50	0.0400	93.	6.	0.15
MILE	75.60	811.07	2207.	2.02	1091.	170.	2.59	0.0400	93.	5.	0.14
MILE	73.50	807.42	2310.	1.85	1250.	155.	2.90	0.0330	93.	8.	0.11
MILE	71.40	805.85	2410.	1.47	1641.	233.	2.61	0.0400	93.	8.	0.10
MILE	69.30	802.79	2502.	1.90	1315.	275.	2.31	0.0340	93.	4.	0.15
MILE	67.20	797.81	2597.	2.02	1287.	289.	2.33	0.0340	93.	7.	0.17
MILE	65.10	794.89	2634.	1.14	2320.	348.	3.31	0.0320	93.	8.	0.08
MILE	63.00	794.74	2555.	0.69	3687.	350.	4.74	0.0400	93.	14.	0.04
MILE	60.90	794.61	2725.	0.57	4808.	362.	5.86	0.0450	93.	18.	0.03
MILE	58.80	794.53	1041.	0.18	5941.	360.	6.20	0.0400	-1914.	21.	0.01
MILE	57.00	794.52	1163.	0.18	6591.	403.	6.13	0.0200	84.	20.	0.01
MILE	55.00	794.51	1173.	0.18	6668.	466.	6.57	0.0200	86.	21.	0.01
MILE	53.10	794.48	1292.	0.14	9211.	574.	6.08	0.0200	89.	21.	0.01
MILE	51.00	794.44	1757.	0.18	9863.	932.	6.17	0.0200	106.	25.	0.01
MILE	48.30	794.42	2537.	0.19	13479.	1644.	4.90	0.0200	106.	25.	0.01
MILE	46.20	794.41	2478.	0.16	15907.	1840.	6.80	0.0200	93.	33.	0.01
MILE	44.10	794.40	3182.	0.11	28089.	1527.	8.11	0.0300	55.	39.	0.00
MILE	43.70	794.40	3297.	0.23	14510.	1382.	8.20	0.0300	47.	41.	0.01
MILE	42.00	794.39	3726.	0.19	19212.	1348.	6.16	0.0300	102.	44.	0.01
MILE	39.10	794.37	4187.	0.23	18388.	1370.	7.89	0.0230	111.	43.	0.01
MILE	37.00	794.38	4018.	0.12	32436.	1134.	7.35	0.0280	69.	43.	0.00
MILE	36.00	794.38	3951.	0.20	20015.	913.	8.37	0.0280	53.	45.	0.01
MILE	34.60	794.37	3920.	0.13	30355.	1242.	9.68	0.0280	53.	46.	0.00
MILE	33.60	794.37	4009.	0.06	62901.	2168.	8.18	0.0290	69.	51.	0.00
MILE	31.50	794.36	4438.	0.14	30784.	1779.	10.42	0.0250	78.	56.	0.01
MILE	30.10	794.35	4551.	0.14	32431.	894.	9.97	0.0200	55.	54.	0.00
MILE	29.00	794.34	4569.	0.13	36090.	1066.	10.83	0.0200	62.	55.	0.00
MILE	27.30	794.32	4535.	0.12	37422.	1066.	11.22	0.0230	84.	57.	0.00
MILE	25.20	794.31	4524.	0.10	46305.	1063.	12.04	0.0230	93.	60.	0.00
MILE	23.10	794.31	4265.	0.11	38125.	1094.	11.47	0.0230	93.	64.	0.00

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TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.68	2000.	2.63	760.	274.	2.23	0.0290	91.	4.	0.28
MILE	77.70	817.01	2102.	2.06	1020.	185.	2.50	0.0400	91.	6.	0.15
MILE	75.60	811.07	2204.	2.02	1090.	170.	2.59	0.0400	91.	5.	0.14
MILE	73.50	807.42	2306.	1.84	1251.	155.	2.90	0.0330	91.	8.	0.11
MILE	71.40	805.85	2403.	1.46	1641.	233.	2.61	0.0400	91.	8.	0.10
MILE	69.30	802.78	2492.	1.90	1312.	275.	2.31	0.0340	91.	4.	0.15
MILE	67.20	797.79	2577.	2.02	1279.	288.	2.33	0.0340	91.	7.	0.17
MILE	65.10	794.83	2722.	1.19	2296.	346.	3.29	0.0320	91.	8.	0.08
MILE	63.00	794.61	3068.	0.84	3642.	349.	4.72	0.0400	91.	14.	0.05
MILE	60.90	794.44	3429.	0.72	4752.	360.	5.82	0.0450	91.	18.	0.04
MILE	58.80	794.36	1640.	0.28	5877.	358.	6.18	0.0400	-1915.	21.	0.01
MILE	57.00	794.36	1869.	0.29	6521.	401.	6.10	0.0200	83.	20.	0.01
MILE	55.00	794.36	2219.	0.34	6610.	464.	6.55	0.0200	85.	21.	0.02
MILE	53.10	794.36	2535.	0.28	9138.	572.	6.06	0.0200	87.	21.	0.01
MILE	51.00	794.37	2832.	0.29	9825.	929.	6.16	0.0200	104.	25.	0.02
MILE	48.30	794.37	3047.	0.23	13423.	1641.	4.90	0.0200	104.	25.	0.01
MILE	46.20	794.36	3879.	0.24	15859.	1836.	6.79	0.0200	91.	33.	0.01
MILE	44.10	794.35	4407.	0.16	28029.	1524.	8.10	0.0300	54.	39.	0.01
MILE	43.70	794.35	4455.	0.31	14484.	1379.	8.21	0.0300	46.	41.	0.02
MILE	42.00	794.35	4429.	0.23	19157.	1346.	6.16	0.0300	100.	44.	0.01
MILE	39.10	794.34	4569.	0.25	18362.	1368.	7.89	0.0230	109.	43.	0.01
MILE	37.00	794.33	5161.	0.16	32343.	1132.	7.34	0.0280	67.	43.	0.01
MILE	36.00	794.33	5316.	0.27	19970.	911.	8.37	0.0280	52.	45.	0.01
MILE	34.60	794.33	5381.	0.18	30315.	1240.	9.67	0.0280	52.	46.	0.01
MILE	33.60	794.33	5374.	0.09	62808.	2165.	8.17	0.0290	67.	51.	0.00
MILE	31.50	794.33	5282.	0.17	30757.	1777.	10.42	0.0250	76.	56.	0.01
MILE	30.10	794.34	5157.	0.16	32428.	894.	9.97	0.0200	54.	54.	0.00
MILE	29.00	794.35	5114.	0.14	36104.	1067.	10.84	0.0200	61.	55.	0.00
MILE	27.30	794.36	5073.	0.14	37454.	1067.	11.23	0.0230	83.	57.	0.00
MILE	25.20	794.37	4987.	0.11	46373.	1065.	12.05	0.0230	91.	60.	0.00
MILE	23.10	794.36	5128.	0.13	38172.	1096.	11.48	0.0230	91.	64.	0.00

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TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.65	2000.	2.65	754.	274.	2.23	0.0290	89.	4.	0.28
MILE	77.70	817.00	2096.	2.06	1018.	185.	2.50	0.0400	89.	6.	0.15
MILE	75.60	811.05	2192.	2.02	1087.	170.	2.59	0.0400	89.	5.	0.14
MILE	73.50	807.41	2289.	1.84	1247.	155.	2.89	0.0330	89.	8.	0.11
MILE	71.40	805.83	2384.	1.46	1635.	233.	2.60	0.0400	89.	8.	0.10

MILE	69.30	802.77	2478.	1.90	1306.	274.	2.30	0.0340	89.	4.	0.15
MILE	67.20	797.78	2584.	2.03	1272.	288.	2.32	0.0340	89.	7.	0.17
MILE	65.10	794.65	2749.	1.23	2228.	339.	3.23	0.0320	89.	8.	0.08
MILE	63.00	794.47	2948.	0.82	3592.	346.	4.69	0.0400	89.	13.	0.04
MILE	60.90	794.32	3080.	0.65	4713.	359.	5.79	0.0450	89.	18.	0.03
MILE	58.80	794.25	1304.	0.22	5836.	357.	6.17	0.0400	-1917.	21.	0.01
MILE	57.00	794.25	1514.	0.23	6475.	400.	6.07	0.0200	81.	19.	0.01
MILE	55.00	794.26	1718.	0.26	6572.	462.	6.54	0.0200	83.	21.	0.01
MILE	53.10	794.26	1879.	0.21	9077.	570.	6.04	0.0200	85.	21.	0.01
MILE	51.00	794.27	2077.	0.21	9773.	926.	6.15	0.0200	102.	25.	0.01
MILE	48.30	794.28	2556.	0.19	13321.	1636.	4.90	0.0200	102.	25.	0.01
MILE	46.20	794.29	2891.	0.18	15802.	1832.	6.78	0.0200	89.	32.	0.01
MILE	44.10	794.31	2928.	0.10	27979.	1522.	8.09	0.0300	53.	39.	0.00
MILE	43.70	794.31	2938.	0.20	14464.	1378.	8.21	0.0300	44.	41.	0.01
MILE	42.00	794.33	3007.	0.16	19133.	1345.	6.16	0.0300	97.	44.	0.01
MILE	39.10	794.35	3346.	0.18	18366.	1369.	7.89	0.0230	106.	43.	0.01
MILE	37.00	794.37	2913.	0.09	32414.	1134.	7.35	0.0280	66.	43.	0.00
MILE	36.00	794.38	2814.	0.14	20012.	913.	8.37	0.0280	51.	45.	0.01
MILE	34.60	794.38	2776.	0.09	30367.	1242.	9.68	0.0280	51.	46.	0.00
MILE	33.60	794.39	2701.	0.04	62954.	2169.	8.18	0.0290	66.	51.	0.00
MILE	31.50	794.40	2441.	0.08	30815.	1781.	10.43	0.0250	74.	56.	0.00
MILE	30.10	794.39	2412.	0.07	32480.	895.	9.98	0.0200	53.	54.	0.00
MILE	29.00	794.39	2388.	0.07	36148.	1068.	10.84	0.0200	59.	55.	0.00
MILE	27.30	794.40	2337.	0.06	37499.	1068.	11.23	0.0230	81.	57.	0.00
MILE	25.20	794.41	2432.	0.05	46416.	1067.	12.06	0.0230	89.	60.	0.00
MILE	23.10	794.42	2272.	0.06	38229.	1099.	11.49	0.0230	89.	64.	0.00

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TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.67	2014.	2.65	759.	274.	2.23	0.0290	87.	4.	0.28
MILE	77.70	817.00	2098.	2.06	1018.	185.	2.50	0.0400	87.	6.	0.15
MILE	75.60	811.04	2181.	2.02	1082.	169.	2.58	0.0400	87.	5.	0.14
MILE	73.50	807.39	2273.	1.83	1241.	155.	2.89	0.0330	87.	8.	0.11
MILE	71.40	805.82	2370.	1.46	1628.	233.	2.59	0.0400	87.	8.	0.10
MILE	69.30	802.77	2477.	1.90	1305.	274.	2.30	0.0340	87.	4.	0.15
MILE	67.20	797.77	2585.	2.04	1269.	287.	2.32	0.0340	87.	7.	0.17
MILE	65.10	794.57	2710.	1.23	2197.	337.	3.20	0.0320	87.	8.	0.09
MILE	63.00	794.40	2820.	0.79	3568.	345.	4.68	0.0400	87.	13.	0.04
MILE	60.90	794.28	2922.	0.62	4698.	358.	5.78	0.0450	87.	18.	0.03
MILE	58.80	794.24	960.	0.16	5831.	357.	6.17	0.0400	-1919.	21.	0.01
MILE	57.00	794.25	927.	0.14	6474.	400.	6.07	0.0200	79.	19.	0.01
MILE	55.00	794.27	839.	0.13	6577.	463.	6.54	0.0200	81.	21.	0.01
MILE	53.10	794.29	762.	0.08	9092.	570.	6.05	0.0200	83.	21.	0.00
MILE	51.00	794.30	685.	0.07	9790.	927.	6.15	0.0200	99.	25.	0.00
MILE	48.30	794.32	444.	0.03	13368.	1638.	4.90	0.0200	99.	25.	0.00

MILE	46.20	794.34	-431.	-0.03	15845.	1835.	6.79	0.0200	87.	33.	0.00
MILE	44.10	794.35	-389.	-0.01	28026.	1524.	8.10	0.0300	52.	39.	0.00
MILE	43.70	794.35	-385.	-0.03	14484.	1379.	8.21	0.0300	43.	41.	0.00
MILE	42.00	794.36	-442.	-0.02	19169.	1346.	6.16	0.0300	95.	44.	0.00
MILE	39.10	794.38	-848.	-0.05	18396.	1370.	7.89	0.0230	103.	43.	0.00
MILE	37.00	794.40	-797.	-0.02	32457.	1135.	7.35	0.0280	64.	43.	0.00
MILE	36.00	794.40	-746.	-0.04	20031.	913.	8.38	0.0280	50.	45.	0.00
MILE	34.60	794.40	-665.	-0.02	30389.	1243.	9.68	0.0280	50.	46.	0.00
MILE	33.60	794.41	-638.	-0.01	63008.	2171.	8.19	0.0290	64.	52.	0.00
MILE	31.50	794.42	-658.	-0.02	30833.	1782.	10.43	0.0250	72.	56.	0.00
MILE	30.10	794.43	-602.	-0.02	32514.	896.	9.99	0.0200	52.	54.	0.00
MILE	29.00	794.43	-580.	-0.02	36185.	1070.	10.85	0.0200	58.	55.	0.00
MILE	27.30	794.44	-665.	-0.02	37533.	1070.	11.24	0.0230	79.	57.	0.00
MILE	25.20	794.45	-1032.	-0.02	46465.	1068.	12.06	0.0230	87.	60.	0.00
MILE	23.10	794.46	-998.	-0.03	38268.	1100.	11.50	0.0230	87.	64.	0.00

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TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	824.95	4516.	3.22	1402.	320.	2.91	0.0290	85.	6.	0.27
MILE	77.70	818.96	4172.	2.65	1576.	244.	2.99	0.0400	85.	8.	0.18
MILE	75.60	811.79	3118.	2.43	1283.	188.	2.86	0.0400	85.	5.	0.16
MILE	73.50	807.54	2548.	1.99	1279.	158.	2.94	0.0330	85.	8.	0.12
MILE	71.40	805.84	2430.	1.48	1639.	233.	2.60	0.0400	85.	8.	0.10
MILE	69.30	802.77	2480.	1.90	1306.	274.	2.30	0.0340	85.	4.	0.15
MILE	67.20	797.76	2574.	2.03	1265.	287.	2.32	0.0340	85.	7.	0.17
MILE	65.10	794.63	2626.	1.18	2222.	339.	3.23	0.0320	85.	8.	0.08
MILE	63.00	794.51	2539.	0.70	3606.	347.	4.70	0.0400	85.	14.	0.04
MILE	60.90	794.44	2373.	0.50	4751.	360.	5.82	0.0450	85.	18.	0.02
MILE	58.80	794.42	122.	0.02	5900.	359.	6.19	0.0400	-1921.	21.	0.00
MILE	57.00	794.43	-11.	0.00	6549.	402.	6.11	0.0200	77.	20.	0.00
MILE	55.00	794.42	-75.	-0.01	6636.	465.	6.56	0.0200	79.	21.	0.00
MILE	53.10	794.42	-126.	-0.01	9176.	573.	6.07	0.0200	81.	21.	0.00
MILE	51.00	794.43	-373.	-0.04	9855.	931.	6.17	0.0200	97.	25.	0.00
MILE	48.30	794.43	-1200.	-0.09	13498.	1645.	4.90	0.0200	97.	26.	-0.01
MILE	46.20	794.42	-1055.	-0.07	15918.	1840.	6.80	0.0200	85.	33.	0.00
MILE	44.10	794.43	-1927.	-0.07	28131.	1529.	8.11	0.0300	51.	39.	0.00
MILE	43.70	794.44	-2068.	-0.14	14531.	1384.	8.20	0.0300	42.	41.	-0.01
MILE	42.00	794.45	-2616.	-0.14	19284.	1351.	6.16	0.0300	93.	44.	-0.01
MILE	39.10	794.46	-2954.	-0.16	18460.	1374.	7.90	0.0230	101.	43.	-0.01
MILE	37.00	794.46	-3350.	-0.10	32562.	1137.	7.37	0.0280	63.	43.	0.00
MILE	36.00	794.47	-3461.	-0.17	20086.	915.	8.38	0.0280	49.	45.	-0.01
MILE	34.60	794.48	-3605.	-0.12	30464.	1246.	9.69	0.0280	49.	46.	0.00
MILE	33.60	794.48	-3843.	-0.06	63214.	2176.	8.20	0.0290	63.	52.	0.00
MILE	31.50	794.48	-4552.	-0.15	30896.	1786.	10.44	0.0250	71.	56.	-0.01
MILE	30.10	794.49	-4747.	-0.15	32579.	898.	10.00	0.0200	51.	54.	0.00

MILE	29.00	794.49	-4849.	-0.13	36247.	1072.	10.86	0.0200	57.	55.	0.00
MILE	27.30	794.50	-5003.	-0.13	37599.	1072.	11.25	0.0230	77.	57.	0.00
MILE	25.20	794.51	-4976.	-0.11	46527.	1070.	12.07	0.0230	85.	60.	0.00
MILE	23.10	794.51	-5062.	-0.13	38315.	1102.	11.51	0.0230	85.	65.	0.00

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TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.07	2000.	3.28	610.	262.	2.02	0.0290	83.	3.	0.38
MILE	77.70	818.02	2683.	2.07	1297.	216.	2.76	0.0400	83.	7.	0.15
MILE	75.60	812.60	3541.	2.36	1502.	209.	3.15	0.0400	83.	6.	0.16
MILE	73.50	808.34	3515.	2.37	1486.	174.	3.19	0.0330	83.	9.	0.14
MILE	71.40	806.36	3160.	1.72	1842.	243.	2.80	0.0400	83.	9.	0.11
MILE	69.30	802.92	2750.	2.00	1372.	279.	2.36	0.0340	83.	4.	0.16
MILE	67.20	797.80	2614.	2.04	1281.	289.	2.33	0.0340	83.	7.	0.17
MILE	65.10	794.83	2578.	1.12	2298.	346.	3.29	0.0320	83.	8.	0.08
MILE	63.00	794.70	2469.	0.67	3673.	350.	4.73	0.0400	83.	14.	0.04
MILE	60.90	794.62	2322.	0.48	4812.	362.	5.86	0.0450	83.	18.	0.02
MILE	58.80	794.58	329.	0.06	5958.	361.	6.21	0.0400	-1923.	21.	0.00
MILE	57.00	794.57	292.	0.04	6613.	404.	6.14	0.0200	75.	20.	0.00
MILE	55.00	794.58	121.	0.02	6695.	467.	6.58	0.0200	77.	21.	0.00
MILE	53.10	794.58	-163.	-0.02	9274.	576.	6.10	0.0200	79.	21.	0.00
MILE	51.00	794.58	-578.	-0.06	9935.	936.	6.19	0.0200	95.	25.	0.00
MILE	48.30	794.58	-1022.	-0.07	13667.	1653.	4.90	0.0200	95.	26.	0.00
MILE	46.20	794.59	-2504.	-0.16	16063.	1850.	6.83	0.0200	83.	33.	-0.01
MILE	44.10	794.58	-2946.	-0.10	28308.	1536.	8.14	0.0300	49.	39.	0.00
MILE	43.70	794.58	-3004.	-0.21	14609.	1390.	8.19	0.0300	42.	42.	-0.01
MILE	42.00	794.57	-3217.	-0.17	19440.	1356.	6.16	0.0300	91.	45.	-0.01
MILE	39.10	794.57	-3836.	-0.21	18554.	1379.	7.91	0.0230	99.	44.	-0.01
MILE	37.00	794.58	-4071.	-0.12	32752.	1142.	7.40	0.0280	61.	43.	0.00
MILE	36.00	794.58	-4150.	-0.21	20174.	919.	8.39	0.0280	47.	46.	-0.01
MILE	34.60	794.57	-4229.	-0.14	30551.	1250.	9.70	0.0280	47.	46.	0.00
MILE	33.60	794.56	-4262.	-0.07	63429.	2182.	8.22	0.0290	61.	52.	0.00
MILE	31.50	794.56	-4285.	-0.14	30965.	1791.	10.45	0.0250	69.	56.	-0.01
MILE	30.10	794.56	-4424.	-0.14	32655.	900.	10.01	0.0200	49.	54.	0.00
MILE	29.00	794.56	-4464.	-0.12	36311.	1074.	10.87	0.0200	55.	55.	0.00
MILE	27.30	794.55	-4466.	-0.12	37640.	1074.	11.25	0.0230	75.	57.	0.00
MILE	25.20	794.54	-4463.	-0.10	46560.	1071.	12.08	0.0230	83.	60.	0.00
MILE	23.10	794.54	-4405.	-0.11	38344.	1103.	11.51	0.0230	83.	65.	0.00

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.21	2000.	3.11	643.	265.	2.07	0.0290	82.	4.	0.35
MILE	77.70	817.11	2110.	2.02	1044.	188.	2.53	0.0400	82.	6.	0.15
MILE	75.60	811.66	2475.	1.98	1247.	185.	2.82	0.0400	82.	5.	0.13
MILE	73.50	808.26	3034.	2.07	1464.	172.	3.16	0.0330	82.	9.	0.13
MILE	71.40	806.66	3315.	1.69	1965.	249.	2.92	0.0400	82.	9.	0.11
MILE	69.30	803.31	3295.	2.14	1542.	292.	2.50	0.0340	82.	5.	0.16
MILE	67.20	798.09	3029.	2.14	1415.	302.	2.39	0.0340	82.	7.	0.17
MILE	65.10	795.02	2795.	1.18	2372.	353.	3.35	0.0320	82.	8.	0.08
MILE	63.00	794.87	2567.	0.69	3733.	352.	4.77	0.0400	82.	14.	0.04
MILE	60.90	794.78	2481.	0.51	4867.	364.	5.90	0.0450	82.	18.	0.02
MILE	58.80	794.75	293.	0.05	6025.	363.	6.23	0.0400	-1924.	22.	0.00
MILE	57.00	794.75	137.	0.02	6689.	407.	6.18	0.0200	74.	20.	0.00
MILE	55.00	794.74	30.	0.00	6756.	470.	6.60	0.0200	76.	21.	0.00
MILE	53.10	794.73	36.	0.00	9363.	579.	6.13	0.0200	78.	21.	0.00
MILE	51.00	794.72	18.	0.00	10004.	940.	6.21	0.0200	94.	25.	0.00
MILE	48.30	794.71	-498.	-0.04	13824.	1660.	4.90	0.0200	94.	26.	0.00
MILE	46.20	794.69	-361.	-0.02	16152.	1857.	6.85	0.0200	82.	33.	0.00
MILE	44.10	794.68	-803.	-0.03	28426.	1541.	8.16	0.0300	49.	39.	0.00
MILE	43.70	794.68	-870.	-0.06	14662.	1395.	8.19	0.0300	41.	42.	0.00
MILE	42.00	794.67	-1105.	-0.06	19560.	1361.	6.16	0.0300	90.	45.	0.00
MILE	39.10	794.65	-1273.	-0.07	18614.	1383.	7.92	0.0230	98.	44.	0.00
MILE	37.00	794.63	-1474.	-0.04	32834.	1144.	7.41	0.0280	61.	43.	0.00
MILE	36.00	794.63	-1596.	-0.08	20216.	920.	8.40	0.0280	47.	46.	0.00
MILE	34.60	794.62	-1817.	-0.06	30609.	1252.	9.71	0.0280	47.	46.	0.00
MILE	33.60	794.62	-1982.	-0.03	63587.	2187.	8.23	0.0290	61.	52.	0.00
MILE	31.50	794.61	-2201.	-0.07	31012.	1794.	10.46	0.0250	68.	56.	0.00
MILE	30.10	794.61	-2310.	-0.07	32707.	902.	10.02	0.0200	49.	54.	0.00
MILE	29.00	794.61	-2384.	-0.07	36361.	1076.	10.88	0.0200	55.	55.	0.00
MILE	27.30	794.60	-2529.	-0.07	37696.	1076.	11.26	0.0230	74.	58.	0.00
MILE	25.20	794.60	-2621.	-0.06	46624.	1074.	12.08	0.0230	82.	60.	0.00
MILE	23.10	794.59	-2807.	-0.07	38391.	1105.	11.52	0.0230	82.	65.	0.00

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.55	2000.	2.74	729.	272.	2.19	0.0290	81.	4.	0.30
MILE	77.70	816.89	2008.	2.03	989.	182.	2.47	0.0400	81.	6.	0.15
MILE	75.60	811.03	2088.	1.93	1081.	169.	2.58	0.0400	81.	5.	0.13
MILE	73.50	807.76	2440.	1.83	1337.	162.	3.01	0.0330	81.	9.	0.11
MILE	71.40	806.34	2802.	1.53	1834.	242.	2.79	0.0400	81.	9.	0.10
MILE	69.30	803.30	3165.	2.06	1535.	291.	2.49	0.0340	81.	5.	0.16
MILE	67.20	798.40	3369.	2.15	1566.	317.	2.46	0.0340	81.	8.	0.17
MILE	65.10	795.25	3225.	1.31	2462.	364.	3.42	0.0320	81.	8.	0.09

MILE	63.00	795.04	3156.	0.83	3792.	356.	4.80	0.0400	81.	14.	0.04
MILE	60.90	794.89	3095.	0.63	4904.	366.	5.92	0.0450	81.	18.	0.03
MILE	58.80	794.81	1197.	0.20	6047.	364.	6.24	0.0400	-1925.	22.	0.01
MILE	57.00	794.79	1338.	0.20	6708.	407.	6.19	0.0200	73.	20.	0.01
MILE	55.00	794.78	1462.	0.22	6770.	471.	6.61	0.0200	75.	21.	0.01
MILE	53.10	794.77	1470.	0.16	9387.	579.	6.14	0.0200	77.	21.	0.01
MILE	51.00	794.75	1383.	0.14	10025.	941.	6.22	0.0200	92.	25.	0.01
MILE	48.30	794.74	1459.	0.11	13860.	1661.	4.90	0.0200	92.	26.	0.01
MILE	46.20	794.73	1218.	0.08	16193.	1859.	6.86	0.0200	81.	33.	0.00
MILE	44.10	794.72	1224.	0.04	28481.	1544.	8.16	0.0300	48.	40.	0.00
MILE	43.70	794.72	1221.	0.08	14687.	1397.	8.19	0.0300	40.	42.	0.00
MILE	42.00	794.71	1159.	0.06	19616.	1363.	6.16	0.0300	89.	45.	0.00
MILE	39.10	794.70	915.	0.05	18663.	1385.	7.92	0.0230	96.	44.	0.00
MILE	37.00	794.70	1003.	0.03	32943.	1146.	7.42	0.0280	60.	43.	0.00
MILE	36.00	794.69	1038.	0.05	20270.	922.	8.40	0.0280	46.	46.	0.00
MILE	34.60	794.69	1054.	0.03	30671.	1255.	9.72	0.0280	46.	46.	0.00
MILE	33.60	794.68	1009.	0.02	63752.	2191.	8.24	0.0290	60.	52.	0.00
MILE	31.50	794.68	775.	0.02	31072.	1798.	10.47	0.0250	67.	56.	0.00
MILE	30.10	794.67	522.	0.02	32774.	904.	10.03	0.0200	48.	54.	0.00
MILE	29.00	794.67	425.	0.01	36424.	1078.	10.89	0.0200	54.	55.	0.00
MILE	27.30	794.67	372.	0.01	37758.	1078.	11.27	0.0230	73.	58.	0.00
MILE	25.20	794.66	434.	0.01	46691.	1076.	12.09	0.0230	81.	60.	0.00
MILE	23.10	794.65	455.	0.01	38448.	1107.	11.53	0.0230	81.	65.	0.00

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.74	2000.	2.58	776.	275.	2.26	0.0290	80.	4.	0.27
MILE	77.70	816.91	2034.	2.05	994.	182.	2.47	0.0400	80.	6.	0.15
MILE	75.60	810.94	2089.	1.98	1055.	167.	2.54	0.0400	80.	4.	0.14
MILE	73.50	807.45	2237.	1.78	1257.	156.	2.91	0.0330	80.	8.	0.11
MILE	71.40	806.00	2472.	1.45	1699.	236.	2.66	0.0400	80.	8.	0.10
MILE	69.30	803.06	2811.	1.96	1434.	284.	2.41	0.0340	80.	4.	0.15
MILE	67.20	798.30	3122.	2.06	1515.	312.	2.44	0.0340	80.	8.	0.16
MILE	65.10	795.26	3316.	1.34	2467.	364.	3.43	0.0320	80.	8.	0.09
MILE	63.00	795.04	3464.	0.91	3790.	356.	4.80	0.0400	80.	14.	0.05
MILE	60.90	794.85	3662.	0.75	4890.	365.	5.91	0.0450	80.	18.	0.04
MILE	58.80	794.76	1837.	0.30	6029.	363.	6.23	0.0400	-1926.	22.	0.01
MILE	57.00	794.76	1923.	0.29	6695.	407.	6.18	0.0200	72.	20.	0.01
MILE	55.00	794.76	2005.	0.30	6764.	470.	6.61	0.0200	74.	21.	0.01
MILE	53.10	794.76	2127.	0.23	9381.	579.	6.14	0.0200	76.	21.	0.01
MILE	51.00	794.75	2330.	0.23	10023.	941.	6.22	0.0200	91.	25.	0.01
MILE	48.30	794.75	2498.	0.18	13876.	1662.	4.90	0.0200	91.	26.	0.01
MILE	46.20	794.74	2596.	0.16	16204.	1860.	6.86	0.0200	80.	33.	0.01
MILE	44.10	794.74	2599.	0.09	28502.	1545.	8.17	0.0300	48.	40.	0.00
MILE	43.70	794.74	2618.	0.18	14697.	1398.	8.18	0.0300	40.	42.	0.01

MILE	42.00	794.73	2811.	0.14	19642.	1364.	6.16	0.0300	88.	45.	0.01
MILE	39.10	794.71	3260.	0.17	18667.	1385.	7.92	0.0230	95.	44.	0.01
MILE	37.00	794.70	3229.	0.10	32952.	1147.	7.42	0.0280	59.	43.	0.00
MILE	36.00	794.70	3251.	0.16	20273.	923.	8.40	0.0280	46.	46.	0.01
MILE	34.60	794.69	3345.	0.11	30672.	1255.	9.72	0.0280	46.	46.	0.00
MILE	33.60	794.68	3457.	0.05	63753.	2191.	8.24	0.0290	59.	52.	0.00
MILE	31.50	794.68	3777.	0.12	31073.	1798.	10.47	0.0250	67.	56.	0.01
MILE	30.10	794.68	4038.	0.12	32775.	904.	10.03	0.0200	48.	54.	0.00
MILE	29.00	794.67	4172.	0.11	36423.	1078.	10.89	0.0200	53.	55.	0.00
MILE	27.30	794.66	4297.	0.11	37750.	1078.	11.27	0.0230	72.	58.	0.00
MILE	25.20	794.65	4305.	0.09	46687.	1076.	12.09	0.0230	80.	60.	0.00
MILE	23.10	794.65	4274.	0.11	38448.	1107.	11.53	0.0230	80.	65.	0.00

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TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.73	2000.	2.58	774.	275.	2.25	0.0290	79.	4.	0.27
MILE	77.70	816.98	2085.	2.06	1011.	184.	2.49	0.0400	79.	6.	0.16
MILE	75.60	811.00	2160.	2.02	1071.	168.	2.56	0.0400	79.	4.	0.14
MILE	73.50	807.37	2238.	1.81	1236.	154.	2.88	0.0330	79.	8.	0.11
MILE	71.40	805.84	2361.	1.44	1636.	233.	2.60	0.0400	79.	8.	0.10
MILE	69.30	802.86	2546.	1.90	1343.	277.	2.33	0.0340	79.	4.	0.15
MILE	67.20	798.03	2770.	2.00	1386.	299.	2.38	0.0340	79.	7.	0.16
MILE	65.10	795.15	3055.	1.26	2421.	359.	3.39	0.0320	79.	8.	0.09
MILE	63.00	794.95	3304.	0.88	3758.	353.	4.78	0.0400	79.	14.	0.05
MILE	60.90	794.79	3481.	0.71	4869.	364.	5.90	0.0450	79.	18.	0.03
MILE	58.80	794.71	1610.	0.27	6009.	362.	6.22	0.0400	-1927.	22.	0.01
MILE	57.00	794.71	1749.	0.26	6672.	406.	6.17	0.0200	72.	20.	0.01
MILE	55.00	794.71	1941.	0.29	6745.	469.	6.60	0.0200	73.	21.	0.01
MILE	53.10	794.71	2154.	0.23	9350.	578.	6.13	0.0200	75.	21.	0.01
MILE	51.00	794.70	2462.	0.25	9996.	940.	6.21	0.0200	90.	25.	0.01
MILE	48.30	794.69	3062.	0.22	13802.	1659.	4.90	0.0200	90.	26.	0.01
MILE	46.20	794.69	3659.	0.23	16152.	1857.	6.85	0.0200	79.	33.	0.01
MILE	44.10	794.68	4231.	0.15	28431.	1542.	8.16	0.0300	47.	39.	0.01
MILE	43.70	794.68	4308.	0.29	14664.	1395.	8.19	0.0300	40.	42.	0.02
MILE	42.00	794.67	4513.	0.23	19569.	1361.	6.16	0.0300	87.	45.	0.01
MILE	39.10	794.67	4707.	0.25	18635.	1384.	7.92	0.0230	94.	44.	0.01
MILE	37.00	794.66	5105.	0.16	32887.	1145.	7.41	0.0280	58.	43.	0.01
MILE	36.00	794.66	5256.	0.26	20244.	921.	8.40	0.0280	45.	46.	0.01
MILE	34.60	794.66	5409.	0.18	30648.	1254.	9.72	0.0280	45.	46.	0.01
MILE	33.60	794.66	5461.	0.09	63699.	2190.	8.24	0.0290	58.	52.	0.00
MILE	31.50	794.66	5442.	0.18	31056.	1797.	10.46	0.0250	66.	56.	0.01
MILE	30.10	794.66	5477.	0.17	32758.	903.	10.03	0.0200	47.	54.	0.00
MILE	29.00	794.66	5502.	0.15	36414.	1078.	10.89	0.0200	53.	55.	0.00
MILE	27.30	794.67	5510.	0.15	37758.	1078.	11.27	0.0230	72.	58.	0.00
MILE	25.20	794.66	5511.	0.12	46698.	1076.	12.09	0.0230	79.	60.	0.00

MILE	23.10	794.66	5639.	0.15	38458.	1107.	11.53	0.0230	79.	65.	0.00

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TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.66	2000.	2.65	755.	274.	2.23	0.0290	78.	4.	0.28
MILE	77.70	817.00	2099.	2.06	1017.	185.	2.50	0.0400	78.	6.	0.16
MILE	75.60	811.03	2187.	2.02	1081.	169.	2.58	0.0400	78.	5.	0.14
MILE	73.50	807.37	2259.	1.83	1236.	154.	2.88	0.0330	78.	8.	0.11
MILE	71.40	805.79	2334.	1.44	1616.	232.	2.58	0.0400	78.	8.	0.10
MILE	69.30	802.74	2422.	1.87	1293.	273.	2.29	0.0340	78.	4.	0.15
MILE	67.20	797.82	2555.	1.98	1290.	289.	2.33	0.0340	78.	7.	0.17
MILE	65.10	795.01	2798.	1.18	2368.	353.	3.34	0.0320	78.	8.	0.08
MILE	63.00	794.82	3074.	0.83	3716.	352.	4.76	0.0400	78.	14.	0.04
MILE	60.90	794.67	3341.	0.69	4829.	363.	5.87	0.0450	78.	18.	0.03
MILE	58.80	794.60	1588.	0.27	5965.	361.	6.21	0.0400	-1928.	22.	0.01
MILE	57.00	794.60	1779.	0.27	6623.	404.	6.15	0.0200	71.	20.	0.01
MILE	55.00	794.60	1985.	0.30	6703.	468.	6.59	0.0200	72.	21.	0.01
MILE	53.10	794.61	2170.	0.23	9288.	576.	6.11	0.0200	74.	21.	0.01
MILE	51.00	794.61	2400.	0.24	9949.	937.	6.20	0.0200	89.	25.	0.01
MILE	48.30	794.62	2819.	0.21	13714.	1655.	4.90	0.0200	89.	26.	0.01
MILE	46.20	794.62	3240.	0.20	16091.	1852.	6.84	0.0200	78.	33.	0.01
MILE	44.10	794.63	3465.	0.12	28360.	1539.	8.15	0.0300	46.	39.	0.01
MILE	43.70	794.63	3508.	0.24	14634.	1392.	8.19	0.0300	39.	42.	0.01
MILE	42.00	794.63	3718.	0.19	19515.	1359.	6.16	0.0300	85.	45.	0.01
MILE	39.10	794.64	4070.	0.22	18609.	1382.	7.92	0.0230	93.	44.	0.01
MILE	37.00	794.65	3915.	0.12	32873.	1145.	7.41	0.0280	58.	43.	0.00
MILE	36.00	794.66	3891.	0.19	20241.	921.	8.40	0.0280	45.	46.	0.01
MILE	34.60	794.66	3916.	0.13	30647.	1254.	9.72	0.0280	45.	46.	0.00
MILE	33.60	794.66	3924.	0.06	63700.	2190.	8.24	0.0290	58.	52.	0.00
MILE	31.50	794.67	3892.	0.13	31064.	1797.	10.46	0.0250	65.	56.	0.01
MILE	30.10	794.68	3897.	0.12	32780.	904.	10.03	0.0200	46.	54.	0.00
MILE	29.00	794.68	3912.	0.11	36436.	1079.	10.89	0.0200	52.	55.	0.00
MILE	27.30	794.68	3923.	0.10	37772.	1079.	11.27	0.0230	71.	58.	0.00
MILE	25.20	794.69	3897.	0.08	46726.	1077.	12.10	0.0230	78.	60.	0.00
MILE	23.10	794.70	3804.	0.10	38496.	1109.	11.53	0.0230	78.	65.	0.00

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TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.62	2000.	2.68	746.	273.	2.22	0.0290	77.	4.	0.29

MILE	77.70	816.99	2085.	2.06	1013.	184.	2.49	0.0400	77.	6.	0.15
MILE	75.60	811.02	2168.	2.01	1077.	169.	2.57	0.0400	77.	5.	0.14
MILE	73.50	807.35	2245.	1.82	1232.	154.	2.88	0.0330	77.	8.	0.11
MILE	71.40	805.76	2315.	1.44	1607.	231.	2.57	0.0400	77.	8.	0.10
MILE	69.30	802.70	2384.	1.87	1275.	272.	2.28	0.0340	77.	4.	0.15
MILE	67.20	797.72	2478.	1.99	1245.	285.	2.31	0.0340	77.	7.	0.17
MILE	65.10	794.87	2662.	1.15	2313.	347.	3.30	0.0320	77.	8.	0.08
MILE	63.00	794.71	2842.	0.77	3675.	350.	4.74	0.0400	77.	14.	0.04
MILE	60.90	794.59	2987.	0.62	4802.	362.	5.85	0.0450	77.	18.	0.03
MILE	58.80	794.54	1095.	0.18	5944.	360.	6.20	0.0400	-1928.	21.	0.01
MILE	57.00	794.55	1165.	0.18	6601.	404.	6.13	0.0200	70.	20.	0.01
MILE	55.00	794.56	1226.	0.18	6687.	467.	6.58	0.0200	72.	21.	0.01
MILE	53.10	794.57	1283.	0.14	9266.	576.	6.10	0.0200	73.	21.	0.01
MILE	51.00	794.58	1351.	0.14	9935.	936.	6.19	0.0200	88.	25.	0.01
MILE	48.30	794.60	1331.	0.10	13696.	1654.	4.90	0.0200	88.	26.	0.01
MILE	46.20	794.62	1137.	0.07	16090.	1852.	6.84	0.0200	77.	33.	0.00
MILE	44.10	794.63	1179.	0.04	28362.	1539.	8.15	0.0300	46.	39.	0.00
MILE	43.70	794.63	1180.	0.08	14635.	1393.	8.19	0.0300	39.	42.	0.00
MILE	42.00	794.64	1117.	0.06	19528.	1360.	6.16	0.0300	84.	45.	0.00
MILE	39.10	794.67	745.	0.04	18637.	1384.	7.92	0.0230	92.	44.	0.00
MILE	37.00	794.68	732.	0.02	32922.	1146.	7.42	0.0280	57.	43.	0.00
MILE	36.00	794.69	692.	0.03	20268.	922.	8.40	0.0280	44.	46.	0.00
MILE	34.60	794.70	559.	0.02	30687.	1256.	9.72	0.0280	44.	46.	0.00
MILE	33.60	794.71	406.	0.01	63814.	2193.	8.24	0.0290	57.	52.	0.00
MILE	31.50	794.71	75.	0.00	31104.	1800.	10.47	0.0250	64.	56.	0.00
MILE	30.10	794.72	-25.	0.00	32825.	905.	10.04	0.0200	46.	54.	0.00
MILE	29.00	794.73	-91.	0.00	36484.	1080.	10.90	0.0200	51.	55.	0.00
MILE	27.30	794.74	-248.	-0.01	37834.	1081.	11.28	0.0230	70.	58.	0.00
MILE	25.20	794.75	-423.	-0.01	46790.	1079.	12.10	0.0230	77.	60.	0.00
MILE	23.10	794.76	-571.	-0.01	38553.	1111.	11.54	0.0230	77.	65.	0.00

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TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.64	2000.	2.66	751.	273.	2.22	0.0290	76.	4.	0.28
MILE	77.70	816.96	2069.	2.05	1007.	184.	2.49	0.0400	76.	6.	0.15
MILE	75.60	810.99	2141.	2.00	1068.	168.	2.56	0.0400	76.	4.	0.14
MILE	73.50	807.32	2218.	1.81	1224.	153.	2.86	0.0330	76.	8.	0.11
MILE	71.40	805.74	2294.	1.44	1597.	231.	2.56	0.0400	76.	8.	0.10
MILE	69.30	802.69	2377.	1.87	1270.	272.	2.27	0.0340	76.	4.	0.15
MILE	67.20	797.69	2466.	2.00	1235.	284.	2.31	0.0340	76.	7.	0.17
MILE	65.10	794.85	2552.	1.11	2306.	347.	3.29	0.0320	76.	8.	0.08
MILE	63.00	794.73	2552.	0.69	3681.	350.	4.74	0.0400	76.	14.	0.04
MILE	60.90	794.65	2474.	0.51	4822.	363.	5.87	0.0450	76.	18.	0.02
MILE	58.80	794.63	343.	0.06	5977.	361.	6.21	0.0400	-1929.	22.	0.00
MILE	57.00	794.64	268.	0.04	6640.	405.	6.15	0.0200	69.	20.	0.00

MILE	55.00	794.65	191.	0.03	6720.	468.	6.59	0.0200	71.	21.	0.00
MILE	53.10	794.66	70.	0.01	9320.	577.	6.12	0.0200	73.	21.	0.00
MILE	51.00	794.67	-225.	-0.02	9982.	939.	6.21	0.0200	87.	25.	0.00
MILE	48.30	794.69	-935.	-0.07	13805.	1659.	4.90	0.0200	87.	26.	0.00
MILE	46.20	794.70	-1397.	-0.09	16165.	1857.	6.85	0.0200	76.	33.	-0.01
MILE	44.10	794.71	-2086.	-0.07	28465.	1543.	8.16	0.0300	46.	40.	0.00
MILE	43.70	794.71	-2183.	-0.15	14682.	1397.	8.19	0.0300	38.	42.	-0.01
MILE	42.00	794.73	-2498.	-0.13	19638.	1363.	6.16	0.0300	84.	45.	-0.01
MILE	39.10	794.75	-2775.	-0.15	18697.	1387.	7.93	0.0230	91.	44.	-0.01
MILE	37.00	794.75	-2997.	-0.09	33029.	1148.	7.43	0.0280	56.	43.	0.00
MILE	36.00	794.76	-3075.	-0.15	20321.	924.	8.41	0.0280	44.	46.	-0.01
MILE	34.60	794.77	-3163.	-0.10	30751.	1258.	9.73	0.0280	44.	46.	0.00
MILE	33.60	794.77	-3245.	-0.05	63981.	2197.	8.26	0.0290	56.	52.	0.00
MILE	31.50	794.77	-3442.	-0.11	31155.	1803.	10.48	0.0250	64.	56.	0.00
MILE	30.10	794.78	-3587.	-0.11	32885.	907.	10.05	0.0200	46.	54.	0.00
MILE	29.00	794.78	-3617.	-0.10	36537.	1082.	10.91	0.0200	51.	55.	0.00
MILE	27.30	794.78	-3589.	-0.09	37875.	1082.	11.29	0.0230	69.	58.	0.00
MILE	25.20	794.80	-3571.	-0.08	46841.	1081.	12.11	0.0230	76.	60.	0.00
MILE	23.10	794.80	-3638.	-0.09	38591.	1113.	11.55	0.0230	76.	65.	0.00

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TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.70	2011.	2.63	766.	275.	2.24	0.0290	76.	4.	0.28
MILE	77.70	816.96	2071.	2.06	1008.	184.	2.49	0.0400	76.	6.	0.15
MILE	75.60	810.97	2133.	2.00	1065.	168.	2.55	0.0400	76.	4.	0.14
MILE	73.50	807.30	2205.	1.81	1218.	153.	2.86	0.0330	76.	8.	0.11
MILE	71.40	805.72	2284.	1.44	1591.	231.	2.56	0.0400	76.	8.	0.10
MILE	69.30	802.68	2371.	1.87	1268.	271.	2.27	0.0340	76.	4.	0.15
MILE	67.20	797.69	2449.	1.98	1235.	284.	2.31	0.0340	76.	7.	0.17
MILE	65.10	795.01	2435.	1.03	2367.	352.	3.34	0.0320	76.	8.	0.07
MILE	63.00	794.91	2238.	0.60	3746.	353.	4.77	0.0400	76.	14.	0.03
MILE	60.90	794.86	2001.	0.41	4892.	365.	5.92	0.0450	76.	18.	0.02
MILE	58.80	794.84	-184.	-0.03	6057.	364.	6.24	0.0400	-1930.	22.	0.00
MILE	57.00	794.84	-340.	-0.05	6727.	408.	6.20	0.0200	69.	20.	0.00
MILE	55.00	794.84	-555.	-0.08	6795.	472.	6.62	0.0200	70.	21.	0.00
MILE	53.10	794.84	-774.	-0.08	9432.	581.	6.15	0.0200	72.	22.	0.00
MILE	51.00	794.84	-1071.	-0.11	10067.	944.	6.23	0.0200	87.	26.	-0.01
MILE	48.30	794.83	-1615.	-0.12	13975.	1667.	4.90	0.0200	87.	26.	-0.01
MILE	46.20	794.84	-2497.	-0.15	16286.	1866.	6.87	0.0200	76.	33.	-0.01
MILE	44.10	794.83	-2976.	-0.10	28608.	1549.	8.18	0.0300	45.	40.	0.00
MILE	43.70	794.83	-3028.	-0.21	14745.	1402.	8.18	0.0300	38.	42.	-0.01
MILE	42.00	794.82	-3091.	-0.16	19755.	1368.	6.16	0.0300	83.	45.	-0.01
MILE	39.10	794.78	-2534.	-0.14	18724.	1389.	7.93	0.0230	90.	44.	-0.01
MILE	37.00	794.75	-1525.	-0.05	33022.	1148.	7.43	0.0280	56.	43.	0.00
MILE	36.00	794.73	-1142.	-0.06	20300.	924.	8.41	0.0280	43.	46.	0.00

MILE	34.60	794.71	-623.	-0.02	30690.	1256.	9.72	0.0280	43.	46.	0.00
MILE	33.60	794.70	-61.	0.00	63784.	2192.	8.24	0.0290	56.	52.	0.00
MILE	31.50	794.68	1382.	0.04	31072.	1798.	10.47	0.0250	63.	56.	0.00
MILE	30.10	794.66	2061.	0.06	32761.	903.	10.03	0.0200	45.	54.	0.00
MILE	29.00	794.65	2513.	0.07	36402.	1077.	10.88	0.0200	51.	55.	0.00
MILE	27.30	794.63	3375.	0.09	37721.	1077.	11.27	0.0230	69.	58.	0.00
MILE	25.20	794.59	4439.	0.10	46621.	1073.	12.08	0.0230	76.	60.	0.00
MILE	23.10	794.57	5179.	0.13	38372.	1104.	11.51	0.0230	76.	65.	0.00

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TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.71	2000.	2.60	770.	275.	2.25	0.0290	75.	4.	0.27
MILE	77.70	816.97	2070.	2.05	1008.	184.	2.49	0.0400	75.	6.	0.15
MILE	75.60	810.98	2142.	2.01	1067.	168.	2.56	0.0400	75.	4.	0.14
MILE	73.50	807.29	2210.	1.82	1218.	153.	2.86	0.0330	75.	8.	0.11
MILE	71.40	805.72	2281.	1.44	1589.	231.	2.55	0.0400	75.	8.	0.10
MILE	69.30	802.67	2349.	1.86	1262.	271.	2.26	0.0340	75.	4.	0.15
MILE	67.20	797.69	2407.	1.95	1232.	283.	2.30	0.0340	75.	7.	0.17
MILE	65.10	795.23	2359.	0.96	2455.	363.	3.42	0.0320	75.	8.	0.07
MILE	63.00	795.12	2258.	0.59	3819.	360.	4.82	0.0400	75.	14.	0.03
MILE	60.90	795.04	2187.	0.44	4955.	369.	5.96	0.0450	75.	19.	0.02
MILE	58.80	795.01	105.	0.02	6121.	366.	6.26	0.0400	-1930.	22.	0.00
MILE	57.00	794.99	80.	0.01	6794.	410.	6.23	0.0200	68.	20.	0.00
MILE	55.00	794.97	132.	0.02	6843.	473.	6.64	0.0200	70.	21.	0.00
MILE	53.10	794.93	345.	0.04	9486.	583.	6.17	0.0200	72.	22.	0.00
MILE	51.00	794.88	881.	0.09	10087.	945.	6.23	0.0200	86.	26.	0.00
MILE	48.30	794.80	2424.	0.17	13930.	1665.	4.90	0.0200	86.	26.	0.01
MILE	46.20	794.75	3861.	0.24	16211.	1861.	6.86	0.0200	75.	33.	0.01
MILE	44.10	794.71	4980.	0.17	28466.	1543.	8.16	0.0300	45.	40.	0.01
MILE	43.70	794.70	5148.	0.35	14677.	1396.	8.19	0.0300	38.	42.	0.02
MILE	42.00	794.66	5779.	0.30	19554.	1360.	6.16	0.0300	83.	45.	0.01
MILE	39.10	794.62	6309.	0.34	18589.	1381.	7.91	0.0230	90.	44.	0.02
MILE	37.00	794.61	5937.	0.18	32805.	1143.	7.40	0.0280	56.	43.	0.01
MILE	36.00	794.61	5748.	0.28	20201.	920.	8.39	0.0280	43.	46.	0.01
MILE	34.60	794.60	5485.	0.18	30589.	1251.	9.71	0.0280	43.	46.	0.01
MILE	33.60	794.60	5327.	0.08	63534.	2185.	8.22	0.0290	56.	52.	0.00
MILE	31.50	794.60	5195.	0.17	30996.	1793.	10.45	0.0250	63.	56.	0.01
MILE	30.10	794.59	5139.	0.16	32687.	901.	10.02	0.0200	45.	54.	0.00
MILE	29.00	794.59	5068.	0.14	36341.	1075.	10.87	0.0200	50.	55.	0.00
MILE	27.30	794.58	4843.	0.13	37675.	1075.	11.26	0.0230	68.	57.	0.00
MILE	25.20	794.59	4516.	0.10	46619.	1073.	12.08	0.0230	75.	60.	0.00
MILE	23.10	794.60	4426.	0.12	38401.	1105.	11.52	0.0230	75.	65.	0.00

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TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.73	2004.	2.59	773.	275.	2.25	0.0290	75.	4.	0.27
MILE	77.70	816.97	2075.	2.06	1010.	184.	2.49	0.0400	75.	6.	0.15
MILE	75.60	810.99	2144.	2.01	1068.	168.	2.56	0.0400	75.	4.	0.14
MILE	73.50	807.29	2209.	1.81	1217.	153.	2.86	0.0330	75.	8.	0.11
MILE	71.40	805.71	2269.	1.43	1585.	230.	2.55	0.0400	75.	8.	0.10
MILE	69.30	802.64	2319.	1.85	1252.	270.	2.25	0.0340	75.	4.	0.15
MILE	67.20	797.67	2376.	1.94	1225.	283.	2.30	0.0340	75.	7.	0.16
MILE	65.10	795.24	2510.	1.02	2458.	363.	3.42	0.0320	75.	8.	0.07
MILE	63.00	795.02	2999.	0.79	3783.	355.	4.79	0.0400	75.	14.	0.04
MILE	60.90	794.79	3706.	0.76	4871.	365.	5.90	0.0450	75.	18.	0.04
MILE	58.80	794.65	2476.	0.41	5985.	362.	6.22	0.0400	-1930.	22.	0.02
MILE	57.00	794.63	3035.	0.46	6637.	405.	6.15	0.0200	68.	20.	0.02
MILE	55.00	794.61	3607.	0.54	6708.	468.	6.59	0.0200	70.	21.	0.03
MILE	53.10	794.60	4077.	0.44	9287.	576.	6.11	0.0200	72.	21.	0.02
MILE	51.00	794.61	4543.	0.46	9947.	937.	6.20	0.0200	86.	25.	0.02
MILE	48.30	794.62	4706.	0.34	13725.	1655.	4.90	0.0200	86.	26.	0.02
MILE	46.20	794.63	5102.	0.32	16098.	1853.	6.84	0.0200	75.	33.	0.02
MILE	44.10	794.64	5506.	0.19	28372.	1539.	8.15	0.0300	45.	39.	0.01
MILE	43.70	794.64	5563.	0.38	14639.	1393.	8.19	0.0300	38.	42.	0.02
MILE	42.00	794.64	5744.	0.29	19527.	1360.	6.16	0.0300	82.	45.	0.01
MILE	39.10	794.62	6604.	0.36	18591.	1381.	7.91	0.0230	89.	44.	0.02
MILE	37.00	794.59	8096.	0.25	32763.	1142.	7.40	0.0280	55.	43.	0.01
MILE	36.00	794.57	8708.	0.43	20170.	919.	8.39	0.0280	43.	46.	0.02
MILE	34.60	794.55	9521.	0.31	30538.	1249.	9.70	0.0280	43.	46.	0.01
MILE	33.60	794.55	10175.	0.16	63388.	2181.	8.21	0.0290	55.	52.	0.01
MILE	31.50	794.53	11436.	0.37	30939.	1789.	10.45	0.0250	63.	56.	0.02
MILE	30.10	794.52	12020.	0.37	32608.	899.	10.00	0.0200	45.	54.	0.01
MILE	29.00	794.51	12417.	0.34	36259.	1072.	10.86	0.0200	50.	55.	0.01
MILE	27.30	794.49	13183.	0.35	37586.	1072.	11.25	0.0230	68.	57.	0.01
MILE	25.20	794.46	14133.	0.30	46474.	1069.	12.06	0.0230	75.	60.	0.01
MILE	23.10	794.42	14919.	0.39	38229.	1099.	11.49	0.0230	75.	64.	0.01

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TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.55	5363.	3.40	1579.	329.	3.12	0.0290	75.	7.	0.27
MILE	77.70	819.55	4922.	2.80	1760.	262.	3.12	0.0400	75.	9.	0.19
MILE	75.60	812.02	3448.	2.56	1346.	194.	2.95	0.0400	75.	6.	0.17
MILE	73.50	807.49	2573.	2.03	1268.	157.	2.92	0.0330	75.	8.	0.13
MILE	71.40	805.73	2332.	1.46	1595.	231.	2.56	0.0400	75.	8.	0.10

MILE	69.30	802.63	2319.	1.86	1247.	270.	2.25	0.0340	75.	4.	0.15
MILE	67.20	797.64	2407.	1.98	1213.	281.	2.30	0.0340	75.	7.	0.17
MILE	65.10	794.81	2696.	1.18	2288.	345.	3.28	0.0320	75.	8.	0.08
MILE	63.00	794.62	3076.	0.84	3645.	349.	4.72	0.0400	75.	14.	0.05
MILE	60.90	794.49	3239.	0.68	4768.	361.	5.83	0.0450	75.	18.	0.03
MILE	58.80	794.44	1282.	0.22	5907.	359.	6.19	0.0400	-1930.	21.	0.01
MILE	57.00	794.46	1393.	0.21	6562.	402.	6.12	0.0200	68.	20.	0.01
MILE	55.00	794.47	1600.	0.24	6653.	466.	6.57	0.0200	70.	21.	0.01
MILE	53.10	794.48	1886.	0.20	9210.	574.	6.08	0.0200	71.	21.	0.01
MILE	51.00	794.48	2497.	0.25	9881.	933.	6.18	0.0200	86.	25.	0.01
MILE	48.30	794.44	4617.	0.34	13510.	1645.	4.90	0.0200	86.	26.	0.02
MILE	46.20	794.43	6586.	0.41	15922.	1841.	6.80	0.0200	75.	33.	0.02
MILE	44.10	794.41	8256.	0.29	28105.	1528.	8.11	0.0300	45.	39.	0.01
MILE	43.70	794.41	8523.	0.59	14514.	1382.	8.20	0.0300	37.	41.	0.03
MILE	42.00	794.38	9615.	0.50	19193.	1347.	6.16	0.0300	82.	44.	0.02
MILE	39.10	794.34	11011.	0.60	18356.	1368.	7.89	0.0230	89.	43.	0.03
MILE	37.00	794.36	10645.	0.33	32400.	1133.	7.35	0.0280	55.	43.	0.01
MILE	36.00	794.36	10533.	0.53	20001.	912.	8.37	0.0280	43.	45.	0.02
MILE	34.60	794.37	10460.	0.34	30352.	1242.	9.68	0.0280	43.	46.	0.01
MILE	33.60	794.37	10425.	0.17	62913.	2168.	8.18	0.0290	55.	51.	0.01
MILE	31.50	794.38	10430.	0.34	30801.	1780.	10.42	0.0250	62.	56.	0.01
MILE	30.10	794.39	10585.	0.33	32476.	895.	9.98	0.0200	45.	54.	0.01
MILE	29.00	794.40	10613.	0.29	36149.	1068.	10.84	0.0200	50.	55.	0.01
MILE	27.30	794.41	10481.	0.28	37502.	1069.	11.23	0.0230	68.	57.	0.01
MILE	25.20	794.44	10202.	0.22	46447.	1068.	12.06	0.0230	75.	60.	0.01
MILE	23.10	794.47	10048.	0.26	38277.	1100.	11.50	0.0230	75.	64.	0.01

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TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.14	5432.	3.73	1457.	323.	2.97	0.0290	75.	6.	0.31
MILE	77.70	820.33	5517.	2.73	2019.	286.	3.34	0.0400	75.	10.	0.18
MILE	75.60	813.81	5266.	2.87	1832.	240.	3.55	0.0400	75.	7.	0.18
MILE	73.50	808.89	4408.	2.70	1631.	185.	3.36	0.0330	75.	10.	0.16
MILE	71.40	806.53	3510.	1.84	1912.	246.	2.87	0.0400	75.	9.	0.12
MILE	69.30	802.89	2767.	2.04	1360.	278.	2.35	0.0340	75.	4.	0.16
MILE	67.20	797.71	2541.	2.04	1244.	285.	2.31	0.0340	75.	7.	0.17
MILE	65.10	794.70	2585.	1.15	2247.	341.	3.25	0.0320	75.	8.	0.08
MILE	63.00	794.50	2828.	0.78	3604.	347.	4.70	0.0400	75.	14.	0.04
MILE	60.90	794.31	3323.	0.71	4709.	359.	5.79	0.0450	75.	18.	0.03
MILE	58.80	794.20	1895.	0.33	5817.	356.	6.16	0.0400	-1931.	21.	0.01
MILE	57.00	794.19	2276.	0.35	6448.	399.	6.06	0.0200	67.	19.	0.02
MILE	55.00	794.18	2654.	0.41	6544.	461.	6.53	0.0200	69.	21.	0.02
MILE	53.10	794.18	3051.	0.34	9025.	568.	6.03	0.0200	71.	21.	0.01
MILE	51.00	794.18	3575.	0.37	9727.	923.	6.14	0.0200	85.	25.	0.02
MILE	48.30	794.21	3782.	0.29	13241.	1632.	4.91	0.0200	85.	25.	0.02

MILE	46.20	794.24	3779.	0.24	15754.	1829.	6.77	0.0200	75.	32.	0.01
MILE	44.10	794.27	4138.	0.15	27929.	1520.	8.09	0.0300	44.	39.	0.01
MILE	43.70	794.27	4182.	0.29	14442.	1376.	8.21	0.0300	37.	41.	0.02
MILE	42.00	794.30	4243.	0.22	19101.	1344.	6.16	0.0300	82.	44.	0.01
MILE	39.10	794.34	4463.	0.24	18361.	1368.	7.89	0.0230	89.	43.	0.01
MILE	37.00	794.33	5750.	0.18	32356.	1132.	7.34	0.0280	55.	43.	0.01
MILE	36.00	794.33	6241.	0.31	19978.	911.	8.37	0.0280	43.	45.	0.01
MILE	34.60	794.34	6842.	0.23	30324.	1240.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.34	7365.	0.12	62833.	2166.	8.17	0.0290	55.	51.	0.00
MILE	31.50	794.34	8475.	0.28	30761.	1777.	10.42	0.0250	62.	56.	0.01
MILE	30.10	794.34	8900.	0.27	32421.	893.	9.97	0.0200	44.	54.	0.01
MILE	29.00	794.34	9200.	0.25	36094.	1066.	10.83	0.0200	50.	55.	0.01
MILE	27.30	794.34	9787.	0.26	37440.	1066.	11.22	0.0230	67.	57.	0.01
MILE	25.20	794.33	10415.	0.22	46332.	1064.	12.05	0.0230	75.	60.	0.01
MILE	23.10	794.31	11047.	0.29	38125.	1094.	11.47	0.0230	75.	64.	0.01

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TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.15	5433.	3.72	1461.	323.	2.97	0.0290	74.	6.	0.31
MILE	77.70	820.36	5470.	2.69	2031.	287.	3.35	0.0400	74.	10.	0.18
MILE	75.60	814.21	5480.	2.82	1943.	250.	3.68	0.0400	74.	8.	0.18
MILE	73.50	809.87	5323.	2.81	1894.	205.	3.63	0.0330	74.	11.	0.16
MILE	71.40	807.67	4935.	2.08	2370.	268.	3.27	0.0400	74.	10.	0.12
MILE	69.30	803.80	4223.	2.40	1761.	308.	2.66	0.0340	74.	5.	0.18
MILE	67.20	798.24	3393.	2.28	1489.	310.	2.43	0.0340	74.	8.	0.18
MILE	65.10	794.51	3064.	1.41	2176.	335.	3.19	0.0320	74.	8.	0.10
MILE	63.00	794.28	3159.	0.90	3528.	344.	4.66	0.0400	74.	13.	0.05
MILE	60.90	794.15	3107.	0.67	4654.	357.	5.75	0.0450	74.	18.	0.03
MILE	58.80	794.13	867.	0.15	5790.	355.	6.15	0.0400	-1931.	21.	0.01
MILE	57.00	794.15	780.	0.12	6431.	398.	6.05	0.0200	67.	19.	0.01
MILE	55.00	794.18	765.	0.12	6542.	461.	6.53	0.0200	69.	21.	0.01
MILE	53.10	794.20	744.	0.08	9038.	568.	6.03	0.0200	71.	21.	0.00
MILE	51.00	794.21	750.	0.08	9745.	924.	6.14	0.0200	85.	25.	0.00
MILE	48.30	794.19	1596.	0.12	13223.	1631.	4.91	0.0200	85.	25.	0.01
MILE	46.20	794.18	2794.	0.18	15704.	1825.	6.76	0.0200	74.	32.	0.01
MILE	44.10	794.18	3300.	0.12	27821.	1516.	8.07	0.0300	44.	39.	0.00
MILE	43.70	794.17	3397.	0.24	14391.	1371.	8.22	0.0300	37.	41.	0.01
MILE	42.00	794.16	3916.	0.21	18928.	1338.	6.16	0.0300	81.	44.	0.01
MILE	39.10	794.13	5131.	0.28	18191.	1359.	7.87	0.0230	89.	43.	0.01
MILE	37.00	794.14	5213.	0.16	32047.	1125.	7.30	0.0280	55.	43.	0.01
MILE	36.00	794.14	5231.	0.26	19824.	905.	8.35	0.0280	42.	45.	0.01
MILE	34.60	794.15	5314.	0.18	30130.	1232.	9.65	0.0280	42.	46.	0.01
MILE	33.60	794.15	5532.	0.09	62309.	2152.	8.14	0.0290	55.	51.	0.00
MILE	31.50	794.15	6302.	0.21	30592.	1766.	10.39	0.0250	62.	55.	0.01
MILE	30.10	794.16	6602.	0.20	32234.	888.	9.94	0.0200	44.	53.	0.01

MILE	29.00	794.16	6791.	0.19	35916.	1060.	10.80	0.0200	50.	54.	0.01
MILE	27.30	794.17	7180.	0.19	37266.	1060.	11.20	0.0230	67.	57.	0.01
MILE	25.20	794.18	7793.	0.17	46165.	1058.	12.02	0.0230	74.	60.	0.00
MILE	23.10	794.20	8119.	0.21	38020.	1090.	11.46	0.0230	74.	64.	0.01

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TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.15	5421.	3.71	1461.	323.	2.97	0.0290	74.	6.	0.31
MILE	77.70	820.39	5495.	2.69	2041.	288.	3.36	0.0400	74.	10.	0.18
MILE	75.60	814.34	5550.	2.80	1980.	253.	3.72	0.0400	74.	8.	0.18
MILE	73.50	810.20	5541.	2.79	1986.	212.	3.72	0.0330	74.	11.	0.16
MILE	71.40	808.13	5460.	2.14	2557.	277.	3.43	0.0400	74.	10.	0.12
MILE	69.30	804.49	5295.	2.54	2088.	330.	2.88	0.0340	74.	6.	0.18
MILE	67.20	799.21	4907.	2.47	1988.	356.	2.63	0.0340	74.	9.	0.18
MILE	65.10	794.90	4060.	1.75	2323.	348.	3.31	0.0320	74.	8.	0.12
MILE	63.00	794.57	3559.	0.98	3627.	348.	4.71	0.0400	74.	14.	0.05
MILE	60.90	794.33	3523.	0.75	4714.	359.	5.79	0.0450	74.	18.	0.04
MILE	58.80	794.20	1782.	0.31	5814.	356.	6.16	0.0400	-1931.	21.	0.01
MILE	57.00	794.17	1902.	0.30	6439.	399.	6.05	0.0200	67.	19.	0.01
MILE	55.00	794.14	1925.	0.29	6529.	461.	6.52	0.0200	69.	21.	0.01
MILE	53.10	794.11	2005.	0.22	8987.	567.	6.01	0.0200	71.	21.	0.01
MILE	51.00	794.08	2283.	0.24	9678.	920.	6.12	0.0200	85.	25.	0.01
MILE	48.30	794.07	2592.	0.20	13080.	1624.	4.91	0.0200	85.	25.	0.01
MILE	46.20	794.08	2370.	0.15	15610.	1819.	6.75	0.0200	74.	32.	0.01
MILE	44.10	794.08	2956.	0.11	27704.	1510.	8.05	0.0300	44.	39.	0.00
MILE	43.70	794.08	3050.	0.21	14340.	1367.	8.23	0.0300	37.	41.	0.01
MILE	42.00	794.08	3373.	0.18	18829.	1334.	6.16	0.0300	81.	44.	0.01
MILE	39.10	794.09	3574.	0.20	18158.	1357.	7.86	0.0230	88.	43.	0.01
MILE	37.00	794.09	4412.	0.14	31966.	1123.	7.28	0.0280	55.	43.	0.00
MILE	36.00	794.09	4688.	0.24	19780.	904.	8.35	0.0280	42.	45.	0.01
MILE	34.60	794.09	5005.	0.17	30071.	1230.	9.64	0.0280	42.	46.	0.01
MILE	33.60	794.08	5388.	0.09	62141.	2147.	8.12	0.0290	55.	51.	0.00
MILE	31.50	794.08	6452.	0.21	30526.	1761.	10.38	0.0250	62.	55.	0.01
MILE	30.10	794.07	6823.	0.21	32141.	885.	9.92	0.0200	44.	53.	0.01
MILE	29.00	794.07	7078.	0.20	35819.	1056.	10.79	0.0200	49.	54.	0.01
MILE	27.30	794.06	7577.	0.20	37161.	1056.	11.18	0.0230	67.	57.	0.01
MILE	25.20	794.04	8110.	0.18	46018.	1054.	12.01	0.0230	74.	60.	0.00
MILE	23.10	794.03	8679.	0.23	37859.	1084.	11.43	0.0230	74.	64.	0.01

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TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.26	2202.	3.35	657.	266.	2.09	0.0290	74.	4.	0.38
MILE	77.70	818.57	2999.	2.06	1456.	232.	2.89	0.0400	74.	8.	0.15
MILE	75.60	813.67	4264.	2.38	1793.	236.	3.51	0.0400	74.	7.	0.15
MILE	73.50	810.12	5126.	2.61	1964.	211.	3.70	0.0330	74.	11.	0.15
MILE	71.40	808.28	5540.	2.12	2617.	279.	3.47	0.0400	74.	10.	0.12
MILE	69.30	804.78	5690.	2.55	2228.	340.	2.97	0.0340	74.	6.	0.18
MILE	67.20	799.70	5559.	2.46	2264.	379.	2.73	0.0340	74.	9.	0.18
MILE	65.10	795.27	5101.	2.07	2469.	364.	3.43	0.0320	74.	8.	0.14
MILE	63.00	794.72	4902.	1.33	3680.	350.	4.74	0.0400	74.	14.	0.07
MILE	60.90	794.32	4885.	1.04	4710.	359.	5.79	0.0450	74.	18.	0.05
MILE	58.80	794.14	2831.	0.49	5795.	356.	6.15	0.0400	-1931.	21.	0.02
MILE	57.00	794.13	2869.	0.45	6421.	398.	6.05	0.0200	67.	19.	0.02
MILE	55.00	794.11	3006.	0.46	6517.	460.	6.52	0.0200	69.	21.	0.02
MILE	53.10	794.10	3130.	0.35	8980.	567.	6.01	0.0200	70.	21.	0.02
MILE	51.00	794.09	3225.	0.33	9684.	921.	6.13	0.0200	84.	25.	0.02
MILE	48.30	794.07	3561.	0.27	13081.	1624.	4.91	0.0200	84.	25.	0.02
MILE	46.20	794.04	4615.	0.30	15574.	1816.	6.74	0.0200	74.	32.	0.02
MILE	44.10	794.02	4924.	0.18	27636.	1508.	8.04	0.0300	44.	39.	0.01
MILE	43.70	794.02	4982.	0.35	14307.	1364.	8.23	0.0300	37.	41.	0.02
MILE	42.00	793.99	5322.	0.28	18720.	1330.	6.16	0.0300	81.	44.	0.01
MILE	39.10	793.94	6409.	0.36	18028.	1350.	7.85	0.0230	88.	43.	0.02
MILE	37.00	793.91	6925.	0.22	31677.	1116.	7.24	0.0280	55.	43.	0.01
MILE	36.00	793.90	7149.	0.36	19631.	898.	8.33	0.0280	42.	45.	0.01
MILE	34.60	793.89	7512.	0.25	29882.	1222.	9.62	0.0280	42.	45.	0.01
MILE	33.60	793.89	7903.	0.13	61630.	2133.	8.09	0.0290	55.	51.	0.00
MILE	31.50	793.88	8898.	0.29	30351.	1750.	10.36	0.0250	62.	55.	0.01
MILE	30.10	793.87	9419.	0.29	31938.	879.	9.88	0.0200	44.	53.	0.01
MILE	29.00	793.87	9721.	0.27	35626.	1049.	10.76	0.0200	49.	54.	0.01
MILE	27.30	793.87	10232.	0.28	36975.	1049.	11.15	0.0230	67.	57.	0.01
MILE	25.20	793.87	10971.	0.24	45828.	1047.	11.98	0.0230	74.	59.	0.01
MILE	23.10	793.86	11651.	0.31	37697.	1078.	11.41	0.0230	74.	64.	0.01

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TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.17	2000.	3.15	635.	264.	2.06	0.0290	74.	3.	0.36
MILE	77.70	817.30	2208.	2.01	1096.	194.	2.58	0.0400	74.	7.	0.15
MILE	75.60	812.26	2834.	2.01	1410.	200.	3.03	0.0400	74.	6.	0.13
MILE	73.50	809.24	3728.	2.16	1722.	192.	3.46	0.0330	74.	10.	0.13
MILE	71.40	807.76	4482.	1.86	2405.	269.	3.30	0.0400	74.	10.	0.11
MILE	69.30	804.57	5105.	2.40	2126.	333.	2.90	0.0340	74.	6.	0.17
MILE	67.20	799.75	5480.	2.39	2296.	381.	2.74	0.0340	74.	9.	0.17
MILE	65.10	795.49	5509.	2.16	2554.	374.	3.50	0.0320	74.	8.	0.15

MILE	63.00	794.87	5436.	1.46	3732.	352.	4.77	0.0400	74.	14.	0.08
MILE	60.90	794.35	5505.	1.17	4723.	359.	5.80	0.0450	74.	18.	0.06
MILE	58.80	794.08	3811.	0.66	5771.	355.	6.15	0.0400	-1932.	21.	0.03
MILE	57.00	794.04	4079.	0.64	6385.	397.	6.03	0.0200	67.	19.	0.03
MILE	55.00	794.01	4335.	0.67	6479.	459.	6.51	0.0200	68.	21.	0.03
MILE	53.10	793.98	4613.	0.52	8905.	564.	5.99	0.0200	70.	21.	0.02
MILE	51.00	793.94	5117.	0.53	9608.	916.	6.11	0.0200	84.	25.	0.03
MILE	48.30	793.90	6203.	0.48	12893.	1615.	4.91	0.0200	84.	25.	0.03
MILE	46.20	793.89	6876.	0.45	15443.	1807.	6.71	0.0200	74.	32.	0.03
MILE	44.10	793.88	7859.	0.29	27461.	1500.	8.02	0.0300	44.	39.	0.01
MILE	43.70	793.87	8002.	0.56	14230.	1357.	8.24	0.0300	37.	41.	0.03
MILE	42.00	793.86	8430.	0.45	18552.	1323.	6.16	0.0300	81.	44.	0.02
MILE	39.10	793.88	7863.	0.44	17980.	1347.	7.84	0.0230	88.	43.	0.02
MILE	37.00	793.92	6834.	0.22	31695.	1117.	7.25	0.0280	54.	43.	0.01
MILE	36.00	793.93	6526.	0.33	19655.	899.	8.33	0.0280	42.	45.	0.01
MILE	34.60	793.95	6160.	0.21	29932.	1224.	9.62	0.0280	42.	45.	0.01
MILE	33.60	793.95	5642.	0.09	61794.	2138.	8.10	0.0290	54.	51.	0.00
MILE	31.50	793.98	4139.	0.14	30437.	1755.	10.37	0.0250	61.	55.	0.01
MILE	30.10	793.99	3636.	0.11	32054.	883.	9.90	0.0200	44.	53.	0.00
MILE	29.00	793.99	3269.	0.09	35747.	1054.	10.78	0.0200	49.	54.	0.00
MILE	27.30	794.01	2462.	0.07	37113.	1054.	11.17	0.0230	67.	57.	0.00
MILE	25.20	794.04	1498.	0.03	46010.	1053.	12.00	0.0230	74.	60.	0.00
MILE	23.10	794.06	1029.	0.03	37887.	1085.	11.44	0.0230	74.	64.	0.00

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TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.36	2009.	2.95	681.	268.	2.12	0.0290	74.	4.	0.33
MILE	77.70	816.99	2076.	2.05	1013.	184.	2.49	0.0400	74.	6.	0.15
MILE	75.60	811.32	2221.	1.92	1156.	176.	2.69	0.0400	74.	5.	0.13
MILE	73.50	808.30	2769.	1.88	1476.	173.	3.18	0.0330	74.	9.	0.11
MILE	71.40	806.96	3364.	1.62	2082.	254.	3.02	0.0400	74.	9.	0.10
MILE	69.30	803.97	4019.	2.19	1839.	313.	2.72	0.0340	74.	5.	0.16
MILE	67.20	799.37	4664.	2.25	2077.	363.	2.66	0.0340	74.	9.	0.17
MILE	65.10	795.38	5199.	2.07	2511.	369.	3.47	0.0320	74.	8.	0.14
MILE	63.00	794.74	5606.	1.52	3687.	350.	4.74	0.0400	74.	14.	0.08
MILE	60.90	794.14	5994.	1.29	4651.	357.	5.75	0.0450	74.	18.	0.06
MILE	58.80	793.83	4323.	0.76	5678.	352.	6.11	0.0400	-1932.	21.	0.03
MILE	57.00	793.81	4565.	0.73	6286.	394.	5.98	0.0200	67.	19.	0.03
MILE	55.00	793.80	4822.	0.75	6402.	455.	6.48	0.0200	68.	20.	0.04
MILE	53.10	793.82	4963.	0.56	8807.	561.	5.96	0.0200	70.	21.	0.03
MILE	51.00	793.85	4839.	0.51	9560.	913.	6.09	0.0200	84.	25.	0.03
MILE	48.30	793.92	3572.	0.28	12918.	1616.	4.91	0.0200	84.	25.	0.02
MILE	46.20	793.96	2562.	0.17	15503.	1811.	6.72	0.0200	74.	32.	0.01
MILE	44.10	793.99	1477.	0.05	27602.	1506.	8.04	0.0300	44.	39.	0.00
MILE	43.70	794.00	1323.	0.09	14298.	1363.	8.23	0.0300	37.	41.	0.01

MILE	42.00	794.03	845.	0.05	18766.	1331.	6.16	0.0300	81.	44.	0.00
MILE	39.10	794.04	1020.	0.06	18115.	1355.	7.86	0.0230	88.	43.	0.00
MILE	37.00	794.02	1902.	0.06	31849.	1120.	7.27	0.0280	54.	43.	0.00
MILE	36.00	794.02	2330.	0.12	19722.	902.	8.34	0.0280	42.	45.	0.00
MILE	34.60	794.02	2931.	0.10	30003.	1227.	9.63	0.0280	42.	46.	0.00
MILE	33.60	794.02	3333.	0.05	61964.	2142.	8.11	0.0290	54.	51.	0.00
MILE	31.50	794.01	3936.	0.13	30463.	1757.	10.37	0.0250	61.	55.	0.01
MILE	30.10	794.00	4473.	0.14	32069.	883.	9.91	0.0200	44.	53.	0.00
MILE	29.00	794.00	4832.	0.14	35752.	1054.	10.78	0.0200	49.	54.	0.00
MILE	27.30	794.00	5419.	0.15	37099.	1054.	11.17	0.0230	67.	57.	0.00
MILE	25.20	793.98	5932.	0.13	45951.	1051.	12.00	0.0230	74.	59.	0.00
MILE	23.10	793.95	6534.	0.17	37783.	1081.	11.42	0.0230	74.	64.	0.01

0DATE 5-10-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.52	2000.	2.78	720.	271.	2.18	0.0290	73.	4.	0.30
MILE	77.70	816.91	2029.	2.04	993.	182.	2.47	0.0400	73.	6.	0.15
MILE	75.60	810.99	2093.	1.96	1068.	168.	2.56	0.0400	73.	4.	0.14
MILE	73.50	807.70	2332.	1.77	1320.	161.	2.99	0.0330	73.	8.	0.11
MILE	71.40	806.30	2680.	1.47	1820.	242.	2.78	0.0400	73.	9.	0.09
MILE	69.30	803.38	3172.	2.02	1571.	294.	2.52	0.0340	73.	5.	0.15
MILE	67.20	798.77	3733.	2.13	1751.	335.	2.54	0.0340	73.	8.	0.16
MILE	65.10	794.98	4446.	1.89	2355.	351.	3.33	0.0320	73.	8.	0.13
MILE	63.00	794.50	4885.	1.36	3604.	347.	4.70	0.0400	73.	14.	0.07
MILE	60.90	794.15	4773.	1.03	4655.	357.	5.75	0.0450	73.	18.	0.05
MILE	58.80	794.05	2301.	0.40	5760.	354.	6.14	0.0400	-1932.	21.	0.02
MILE	57.00	794.07	1966.	0.31	6394.	397.	6.03	0.0200	66.	19.	0.01
MILE	55.00	794.08	1656.	0.25	6506.	460.	6.51	0.0200	68.	21.	0.01
MILE	53.10	794.08	1465.	0.16	8968.	566.	6.01	0.0200	70.	21.	0.01
MILE	51.00	794.06	1469.	0.15	9669.	920.	6.12	0.0200	84.	25.	0.01
MILE	48.30	794.01	2513.	0.19	13008.	1621.	4.91	0.0200	84.	25.	0.01
MILE	46.20	793.99	3100.	0.20	15534.	1813.	6.73	0.0200	73.	32.	0.01
MILE	44.10	793.97	3613.	0.13	27569.	1505.	8.03	0.0300	44.	39.	0.01
MILE	43.70	793.96	3712.	0.26	14277.	1361.	8.23	0.0300	37.	41.	0.01
MILE	42.00	793.93	4221.	0.23	18638.	1327.	6.16	0.0300	80.	44.	0.01
MILE	39.10	793.88	5128.	0.29	17984.	1347.	7.85	0.0230	87.	43.	0.01
MILE	37.00	793.88	5099.	0.16	31627.	1115.	7.24	0.0280	54.	43.	0.01
MILE	36.00	793.88	5068.	0.26	19609.	897.	8.33	0.0280	42.	45.	0.01
MILE	34.60	793.87	5086.	0.17	29853.	1221.	9.61	0.0280	42.	45.	0.01
MILE	33.60	793.86	5254.	0.09	61549.	2131.	8.08	0.0290	54.	51.	0.00
MILE	31.50	793.86	5898.	0.19	30328.	1748.	10.35	0.0250	61.	55.	0.01
MILE	30.10	793.86	6025.	0.19	31921.	879.	9.88	0.0200	44.	53.	0.01
MILE	29.00	793.86	6108.	0.17	35612.	1049.	10.75	0.0200	49.	54.	0.01
MILE	27.30	793.85	6334.	0.17	36957.	1049.	11.15	0.0230	66.	57.	0.01
MILE	25.20	793.85	6779.	0.15	45808.	1047.	11.98	0.0230	73.	59.	0.00

MILE	23.10	793.87	6961.	0.18	37707.	1078.	11.41	0.0230	73.	64.	0.01

0DATE 5-10-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.63	2000.	2.67	749.	273.	2.22	0.0290	73.	4.	0.28
MILE	77.70	816.92	2046.	2.05	996.	182.	2.48	0.0400	73.	6.	0.15
MILE	75.60	810.94	2098.	1.99	1056.	167.	2.54	0.0400	73.	4.	0.14
MILE	73.50	807.40	2194.	1.76	1243.	155.	2.89	0.0330	73.	8.	0.11
MILE	71.40	805.91	2371.	1.42	1665.	234.	2.63	0.0400	73.	8.	0.09
MILE	69.30	802.98	2680.	1.92	1395.	281.	2.38	0.0340	73.	4.	0.15
MILE	67.20	798.27	3097.	2.07	1500.	311.	2.43	0.0340	73.	8.	0.17
MILE	65.10	794.80	3616.	1.58	2284.	345.	3.28	0.0320	73.	8.	0.11
MILE	63.00	794.47	3932.	1.09	3594.	347.	4.69	0.0400	73.	13.	0.06
MILE	60.90	794.16	4413.	0.95	4659.	357.	5.75	0.0450	73.	18.	0.05
MILE	58.80	793.99	2950.	0.51	5738.	354.	6.13	0.0400	-1932.	21.	0.02
MILE	57.00	793.98	3292.	0.52	6358.	396.	6.01	0.0200	66.	19.	0.02
MILE	55.00	793.96	3621.	0.56	6462.	458.	6.50	0.0200	68.	20.	0.03
MILE	53.10	793.94	3983.	0.45	8883.	563.	5.98	0.0200	70.	21.	0.02
MILE	51.00	793.91	4516.	0.47	9592.	915.	6.10	0.0200	84.	25.	0.03
MILE	48.30	793.90	4974.	0.39	12889.	1615.	4.91	0.0200	84.	25.	0.02
MILE	46.20	793.89	5113.	0.33	15443.	1807.	6.71	0.0200	73.	32.	0.02
MILE	44.10	793.89	5578.	0.20	27473.	1501.	8.02	0.0300	44.	39.	0.01
MILE	43.70	793.88	5637.	0.40	14237.	1358.	8.24	0.0300	37.	41.	0.02
MILE	42.00	793.88	5729.	0.31	18587.	1325.	6.16	0.0300	80.	44.	0.01
MILE	39.10	793.89	5318.	0.30	17994.	1348.	7.85	0.0230	87.	43.	0.01
MILE	37.00	793.90	5462.	0.17	31658.	1116.	7.24	0.0280	54.	43.	0.01
MILE	36.00	793.90	5403.	0.28	19631.	898.	8.33	0.0280	42.	45.	0.01
MILE	34.60	793.91	5196.	0.17	29897.	1222.	9.62	0.0280	42.	45.	0.01
MILE	33.60	793.91	5100.	0.08	61683.	2135.	8.09	0.0290	54.	51.	0.00
MILE	31.50	793.91	5120.	0.17	30376.	1751.	10.36	0.0250	61.	55.	0.01
MILE	30.10	793.91	4861.	0.15	31978.	880.	9.89	0.0200	44.	53.	0.00
MILE	29.00	793.92	4723.	0.13	35670.	1051.	10.76	0.0200	49.	54.	0.00
MILE	27.30	793.92	4570.	0.12	37022.	1051.	11.16	0.0230	66.	57.	0.00
MILE	25.20	793.91	4435.	0.10	45871.	1049.	11.99	0.0230	73.	59.	0.00
MILE	23.10	793.91	4261.	0.11	37745.	1080.	11.41	0.0230	73.	64.	0.00

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TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.66	2000.	2.65	756.	274.	2.23	0.0290	73.	4.	0.28

MILE	77.70	816.95	2063.	2.06	1004.	183.	2.48	0.0400	73.	6.	0.15
MILE	75.60	810.95	2116.	2.00	1058.	167.	2.54	0.0400	73.	4.	0.14
MILE	73.50	807.29	2178.	1.79	1217.	153.	2.86	0.0330	73.	8.	0.11
MILE	71.40	805.75	2283.	1.42	1602.	231.	2.57	0.0400	73.	8.	0.10
MILE	69.30	802.78	2463.	1.88	1310.	275.	2.31	0.0340	73.	4.	0.15
MILE	67.20	797.90	2701.	2.03	1330.	294.	2.35	0.0340	73.	7.	0.17
MILE	65.10	794.41	3148.	1.47	2135.	331.	3.15	0.0320	73.	7.	0.10
MILE	63.00	794.10	3705.	1.07	3467.	341.	4.62	0.0400	73.	13.	0.06
MILE	60.90	793.84	4102.	0.90	4551.	353.	5.67	0.0450	73.	17.	0.04
MILE	58.80	793.73	2280.	0.40	5644.	351.	6.10	0.0400	-1932.	21.	0.02
MILE	57.00	793.75	2460.	0.39	6258.	393.	5.96	0.0200	66.	19.	0.02
MILE	55.00	793.77	2705.	0.42	6389.	455.	6.47	0.0200	68.	20.	0.02
MILE	53.10	793.80	2863.	0.33	8795.	561.	5.95	0.0200	70.	21.	0.01
MILE	51.00	793.83	2890.	0.30	9552.	912.	6.09	0.0200	84.	25.	0.02
MILE	48.30	793.87	2799.	0.22	12859.	1613.	4.91	0.0200	84.	25.	0.01
MILE	46.20	793.88	3448.	0.22	15435.	1807.	6.71	0.0200	73.	32.	0.01
MILE	44.10	793.90	3445.	0.13	27484.	1501.	8.02	0.0300	44.	39.	0.01
MILE	43.70	793.90	3435.	0.24	14245.	1358.	8.24	0.0300	37.	41.	0.01
MILE	42.00	793.92	3339.	0.18	18625.	1326.	6.16	0.0300	80.	44.	0.01
MILE	39.10	793.94	3168.	0.18	18035.	1350.	7.85	0.0230	87.	43.	0.01
MILE	37.00	793.96	2726.	0.09	31752.	1118.	7.25	0.0280	54.	43.	0.00
MILE	36.00	793.97	2519.	0.13	19684.	900.	8.34	0.0280	42.	45.	0.00
MILE	34.60	793.99	2172.	0.07	29975.	1226.	9.63	0.0280	42.	45.	0.00
MILE	33.60	794.00	1783.	0.03	61910.	2141.	8.11	0.0290	54.	51.	0.00
MILE	31.50	794.01	790.	0.03	30465.	1757.	10.37	0.0250	61.	55.	0.00
MILE	30.10	794.02	271.	0.01	32092.	884.	9.91	0.0200	44.	53.	0.00
MILE	29.00	794.03	-21.	0.00	35787.	1055.	10.78	0.0200	49.	54.	0.00
MILE	27.30	794.05	-449.	-0.01	37152.	1056.	11.18	0.0230	66.	57.	0.00
MILE	25.20	794.07	-717.	-0.02	46049.	1055.	12.01	0.0230	73.	60.	0.00
MILE	23.10	794.08	-1036.	-0.03	37906.	1086.	11.44	0.0230	73.	64.	0.00

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TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.68	2000.	2.63	761.	274.	2.24	0.0290	73.	4.	0.28
MILE	77.70	816.96	2066.	2.05	1005.	183.	2.49	0.0400	73.	6.	0.15
MILE	75.60	810.97	2133.	2.01	1063.	168.	2.55	0.0400	73.	4.	0.14
MILE	73.50	807.29	2199.	1.81	1216.	153.	2.85	0.0330	73.	8.	0.11
MILE	71.40	805.72	2278.	1.43	1589.	231.	2.55	0.0400	73.	8.	0.10
MILE	69.30	802.70	2382.	1.87	1275.	272.	2.28	0.0340	73.	4.	0.15
MILE	67.20	797.70	2529.	2.04	1240.	284.	2.31	0.0340	73.	7.	0.17
MILE	65.10	794.14	2808.	1.38	2033.	321.	3.07	0.0320	73.	7.	0.10
MILE	63.00	793.96	2920.	0.85	3420.	339.	4.60	0.0400	73.	13.	0.05
MILE	60.90	793.85	2872.	0.63	4554.	353.	5.68	0.0450	73.	17.	0.03
MILE	58.80	793.81	883.	0.16	5671.	351.	6.11	0.0400	-1932.	21.	0.01
MILE	57.00	793.82	871.	0.14	6288.	394.	5.98	0.0200	66.	19.	0.01

MILE	55.00	793.84	776.	0.12	6414.	456.	6.48	0.0200	68.	20.	0.01
MILE	53.10	793.85	620.	0.07	8830.	562.	5.97	0.0200	70.	21.	0.00
MILE	51.00	793.88	361.	0.04	9574.	914.	6.10	0.0200	84.	25.	0.00
MILE	48.30	793.92	-319.	-0.02	12917.	1616.	4.91	0.0200	84.	25.	0.00
MILE	46.20	793.96	-1688.	-0.11	15510.	1812.	6.73	0.0200	73.	32.	-0.01
MILE	44.10	793.99	-2394.	-0.09	27596.	1506.	8.04	0.0300	44.	39.	0.00
MILE	43.70	793.99	-2486.	-0.17	14295.	1363.	8.23	0.0300	37.	41.	-0.01
MILE	42.00	794.02	-2765.	-0.15	18751.	1331.	6.16	0.0300	80.	44.	-0.01
MILE	39.10	794.06	-3251.	-0.18	18131.	1355.	7.86	0.0230	87.	43.	-0.01
MILE	37.00	794.09	-3550.	-0.11	31967.	1123.	7.28	0.0280	54.	43.	0.00
MILE	36.00	794.10	-3566.	-0.18	19787.	904.	8.35	0.0280	42.	45.	-0.01
MILE	34.60	794.10	-3492.	-0.12	30087.	1230.	9.64	0.0280	42.	46.	0.00
MILE	33.60	794.11	-3529.	-0.06	62201.	2149.	8.13	0.0290	54.	51.	0.00
MILE	31.50	794.12	-3839.	-0.13	30569.	1764.	10.39	0.0250	61.	55.	-0.01
MILE	30.10	794.12	-3781.	-0.12	32199.	887.	9.93	0.0200	44.	53.	0.00
MILE	29.00	794.13	-3764.	-0.10	35881.	1059.	10.80	0.0200	49.	54.	0.00
MILE	27.30	794.14	-3849.	-0.10	37238.	1059.	11.19	0.0230	66.	57.	0.00
MILE	25.20	794.15	-4096.	-0.09	46132.	1057.	12.02	0.0230	73.	60.	0.00
MILE	23.10	794.16	-4231.	-0.11	37982.	1089.	11.45	0.0230	73.	64.	0.00

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TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.69	2000.	2.62	762.	274.	2.24	0.0290	73.	4.	0.28
MILE	77.70	816.97	2073.	2.06	1008.	184.	2.49	0.0400	73.	6.	0.15
MILE	75.60	810.98	2146.	2.01	1067.	168.	2.56	0.0400	73.	4.	0.14
MILE	73.50	807.30	2218.	1.82	1219.	153.	2.86	0.0330	73.	8.	0.11
MILE	71.40	805.73	2296.	1.44	1592.	231.	2.56	0.0400	73.	8.	0.10
MILE	69.30	802.69	2386.	1.88	1272.	272.	2.27	0.0340	73.	4.	0.15
MILE	67.20	797.65	2490.	2.04	1218.	282.	2.30	0.0340	73.	7.	0.17
MILE	65.10	794.22	2579.	1.25	2062.	324.	3.09	0.0320	73.	7.	0.09
MILE	63.00	794.11	2371.	0.68	3471.	341.	4.62	0.0400	73.	13.	0.04
MILE	60.90	794.09	1988.	0.43	4634.	356.	5.73	0.0450	73.	18.	0.02
MILE	58.80	794.11	-541.	-0.09	5782.	355.	6.15	0.0400	-1932.	21.	0.00
MILE	57.00	794.12	-917.	-0.14	6419.	398.	6.04	0.0200	66.	19.	-0.01
MILE	55.00	794.13	-1263.	-0.19	6525.	460.	6.52	0.0200	68.	21.	-0.01
MILE	53.10	794.14	-1532.	-0.17	9001.	567.	6.02	0.0200	70.	21.	-0.01
MILE	51.00	794.14	-1918.	-0.20	9709.	922.	6.13	0.0200	84.	25.	-0.01
MILE	48.30	794.14	-2818.	-0.21	13165.	1629.	4.91	0.0200	84.	25.	-0.01
MILE	46.20	794.14	-3594.	-0.23	15667.	1823.	6.76	0.0200	73.	32.	-0.01
MILE	44.10	794.14	-4496.	-0.16	27780.	1514.	8.06	0.0300	44.	39.	-0.01
MILE	43.70	794.14	-4636.	-0.32	14374.	1370.	8.22	0.0300	37.	41.	-0.02
MILE	42.00	794.15	-5178.	-0.27	18912.	1337.	6.16	0.0300	80.	44.	-0.01
MILE	39.10	794.17	-6055.	-0.33	18219.	1360.	7.87	0.0230	87.	43.	-0.02
MILE	37.00	794.17	-6686.	-0.21	32096.	1126.	7.30	0.0280	54.	43.	-0.01
MILE	36.00	794.18	-6830.	-0.34	19851.	906.	8.36	0.0280	42.	45.	-0.01

MILE	34.60	794.19	-6960.	-0.23	30174.	1234.	9.65	0.0280	42.	46.	-0.01
MILE	33.60	794.19	-7264.	-0.12	62435.	2155.	8.14	0.0290	54.	51.	0.00
MILE	31.50	794.20	-8251.	-0.27	30635.	1769.	10.40	0.0250	61.	55.	-0.01
MILE	30.10	794.20	-8334.	-0.26	32282.	889.	9.94	0.0200	44.	53.	-0.01
MILE	29.00	794.21	-8415.	-0.23	35963.	1062.	10.81	0.0200	49.	55.	-0.01
MILE	27.30	794.22	-8750.	-0.23	37318.	1062.	11.21	0.0230	66.	57.	-0.01
MILE	25.20	794.24	-9351.	-0.20	46231.	1061.	12.03	0.0230	73.	60.	-0.01
MILE	23.10	794.24	-9489.	-0.25	38058.	1092.	11.46	0.0230	73.	64.	-0.01

0DATE 5-10-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.67	2000.	2.64	758.	274.	2.23	0.0290	74.	4.	0.28
MILE	77.70	816.97	2079.	2.06	1010.	184.	2.49	0.0400	74.	6.	0.15
MILE	75.60	811.00	2159.	2.02	1071.	168.	2.56	0.0400	74.	4.	0.14
MILE	73.50	807.33	2240.	1.83	1226.	153.	2.87	0.0330	74.	8.	0.11
MILE	71.40	805.75	2323.	1.45	1603.	231.	2.57	0.0400	74.	8.	0.10
MILE	69.30	802.71	2407.	1.88	1281.	272.	2.28	0.0340	74.	4.	0.15
MILE	67.20	797.66	2468.	2.02	1222.	282.	2.30	0.0340	74.	7.	0.17
MILE	65.10	794.61	2384.	1.08	2211.	338.	3.22	0.0320	74.	8.	0.07
MILE	63.00	794.49	2188.	0.61	3600.	347.	4.70	0.0400	74.	13.	0.03
MILE	60.90	794.42	1978.	0.42	4745.	360.	5.81	0.0450	74.	18.	0.02
MILE	58.80	794.39	-172.	-0.03	5886.	359.	6.18	0.0400	-1932.	21.	0.00
MILE	57.00	794.37	-302.	-0.05	6527.	401.	6.10	0.0200	67.	20.	0.00
MILE	55.00	794.36	-502.	-0.08	6613.	464.	6.55	0.0200	68.	21.	0.00
MILE	53.10	794.36	-795.	-0.09	9134.	571.	6.06	0.0200	70.	21.	0.00
MILE	51.00	794.35	-1346.	-0.14	9815.	929.	6.16	0.0200	84.	25.	-0.01
MILE	48.30	794.34	-2573.	-0.19	13396.	1640.	4.90	0.0200	84.	25.	-0.01
MILE	46.20	794.34	-3714.	-0.23	15845.	1835.	6.79	0.0200	74.	33.	-0.01
MILE	44.10	794.34	-4864.	-0.17	28021.	1524.	8.10	0.0300	44.	39.	-0.01
MILE	43.70	794.34	-5032.	-0.35	14480.	1379.	8.21	0.0300	37.	41.	-0.02
MILE	42.00	794.35	-5613.	-0.29	19155.	1346.	6.16	0.0300	81.	44.	-0.01
MILE	39.10	794.34	-6096.	-0.33	18359.	1368.	7.89	0.0230	88.	43.	-0.02
MILE	37.00	794.33	-6193.	-0.19	32347.	1132.	7.34	0.0280	54.	43.	-0.01
MILE	36.00	794.32	-6156.	-0.31	19968.	911.	8.37	0.0280	42.	45.	-0.01
MILE	34.60	794.31	-6055.	-0.20	30297.	1239.	9.67	0.0280	42.	46.	-0.01
MILE	33.60	794.31	-6067.	-0.10	62746.	2164.	8.17	0.0290	54.	51.	0.00
MILE	31.50	794.30	-6318.	-0.21	30728.	1775.	10.41	0.0250	61.	55.	-0.01
MILE	30.10	794.29	-6311.	-0.19	32369.	892.	9.96	0.0200	44.	53.	-0.01
MILE	29.00	794.28	-6273.	-0.17	36033.	1064.	10.82	0.0200	49.	55.	-0.01
MILE	27.30	794.27	-6165.	-0.16	37367.	1064.	11.21	0.0230	67.	57.	0.00
MILE	25.20	794.25	-5889.	-0.13	46239.	1061.	12.03	0.0230	74.	60.	0.00
MILE	23.10	794.23	-5688.	-0.15	38049.	1092.	11.46	0.0230	74.	64.	0.00

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TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.64	2000.	2.67	750.	273.	2.22	0.0290	74.	4.	0.28
MILE	77.70	816.98	2085.	2.06	1011.	184.	2.49	0.0400	74.	6.	0.16
MILE	75.60	811.01	2171.	2.02	1075.	169.	2.57	0.0400	74.	5.	0.14
MILE	73.50	807.35	2255.	1.83	1232.	154.	2.88	0.0330	74.	8.	0.11
MILE	71.40	805.77	2333.	1.45	1610.	232.	2.58	0.0400	74.	8.	0.10
MILE	69.30	802.70	2392.	1.87	1279.	272.	2.28	0.0340	74.	4.	0.15
MILE	67.20	797.66	2435.	2.00	1220.	282.	2.30	0.0340	74.	7.	0.17
MILE	65.10	794.79	2432.	1.07	2282.	344.	3.27	0.0320	74.	8.	0.07
MILE	63.00	794.67	2313.	0.63	3663.	349.	4.73	0.0400	74.	14.	0.03
MILE	60.90	794.60	2184.	0.45	4807.	362.	5.86	0.0450	74.	18.	0.02
MILE	58.80	794.58	79.	0.01	5958.	361.	6.21	0.0400	-1932.	21.	0.00
MILE	57.00	794.58	-14.	0.00	6613.	404.	6.14	0.0200	67.	20.	0.00
MILE	55.00	794.57	-140.	-0.02	6691.	467.	6.58	0.0200	68.	21.	0.00
MILE	53.10	794.56	-228.	-0.02	9259.	575.	6.10	0.0200	70.	21.	0.00
MILE	51.00	794.54	-253.	-0.03	9912.	934.	6.19	0.0200	84.	25.	0.00
MILE	48.30	794.50	-78.	-0.01	13576.	1648.	4.90	0.0200	84.	26.	0.00
MILE	46.20	794.48	-386.	-0.02	15965.	1844.	6.81	0.0200	74.	33.	0.00
MILE	44.10	794.45	-378.	-0.01	28147.	1530.	8.12	0.0300	44.	39.	0.00
MILE	43.70	794.44	-363.	-0.02	14534.	1384.	8.20	0.0300	37.	41.	0.00
MILE	42.00	794.41	-237.	-0.01	19230.	1349.	6.16	0.0300	81.	44.	0.00
MILE	39.10	794.35	-190.	-0.01	18372.	1369.	7.89	0.0230	88.	43.	0.00
MILE	37.00	794.33	-251.	-0.01	32355.	1132.	7.34	0.0280	54.	43.	0.00
MILE	36.00	794.32	-332.	-0.02	19968.	911.	8.37	0.0280	42.	45.	0.00
MILE	34.60	794.30	-468.	-0.02	30289.	1239.	9.67	0.0280	42.	46.	0.00
MILE	33.60	794.30	-457.	-0.01	62713.	2163.	8.16	0.0290	54.	51.	0.00
MILE	31.50	794.28	-153.	0.00	30711.	1774.	10.41	0.0250	61.	55.	0.00
MILE	30.10	794.28	-136.	0.00	32357.	892.	9.96	0.0200	44.	53.	0.00
MILE	29.00	794.27	-104.	0.00	36021.	1064.	10.82	0.0200	49.	55.	0.00
MILE	27.30	794.25	-25.	0.00	37347.	1063.	11.21	0.0230	67.	57.	0.00
MILE	25.20	794.23	-20.	0.00	46227.	1060.	12.03	0.0230	74.	60.	0.00
MILE	23.10	794.23	-23.	0.00	38049.	1092.	11.46	0.0230	74.	64.	0.00

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.61	2014.	2.71	743.	273.	2.21	0.0290	74.	4.	0.29
MILE	77.70	816.99	2097.	2.07	1015.	185.	2.50	0.0400	74.	6.	0.16
MILE	75.60	811.01	2174.	2.02	1076.	169.	2.57	0.0400	74.	5.	0.14
MILE	73.50	807.35	2247.	1.82	1232.	154.	2.88	0.0330	74.	8.	0.11
MILE	71.40	805.76	2312.	1.44	1606.	231.	2.57	0.0400	74.	8.	0.10

MILE	69.30	802.68	2364.	1.86	1269.	271.	2.27	0.0340	74.	4.	0.15
MILE	67.20	797.66	2419.	1.98	1220.	282.	2.30	0.0340	74.	7.	0.17
MILE	65.10	794.91	2435.	1.05	2329.	349.	3.31	0.0320	74.	8.	0.07
MILE	63.00	794.75	2555.	0.69	3690.	350.	4.74	0.0400	74.	14.	0.04
MILE	60.90	794.61	2814.	0.58	4811.	362.	5.86	0.0450	74.	18.	0.03
MILE	58.80	794.54	1093.	0.18	5944.	360.	6.20	0.0400	-1931.	21.	0.01
MILE	57.00	794.52	1320.	0.20	6591.	403.	6.13	0.0200	67.	20.	0.01
MILE	55.00	794.50	1619.	0.24	6663.	466.	6.57	0.0200	69.	21.	0.01
MILE	53.10	794.47	1968.	0.21	9205.	574.	6.08	0.0200	70.	21.	0.01
MILE	51.00	794.45	2434.	0.25	9865.	932.	6.17	0.0200	84.	25.	0.01
MILE	48.30	794.43	2979.	0.22	13491.	1644.	4.90	0.0200	84.	26.	0.01
MILE	46.20	794.41	3854.	0.24	15902.	1839.	6.80	0.0200	74.	33.	0.01
MILE	44.10	794.40	4376.	0.16	28086.	1527.	8.11	0.0300	44.	39.	0.01
MILE	43.70	794.39	4446.	0.31	14508.	1382.	8.21	0.0300	37.	41.	0.02
MILE	42.00	794.38	4660.	0.24	19201.	1348.	6.16	0.0300	81.	44.	0.01
MILE	39.10	794.36	5018.	0.27	18377.	1369.	7.89	0.0230	88.	43.	0.01
MILE	37.00	794.34	5488.	0.17	32365.	1133.	7.34	0.0280	54.	43.	0.01
MILE	36.00	794.33	5564.	0.28	19977.	911.	8.37	0.0280	42.	45.	0.01
MILE	34.60	794.33	5533.	0.18	30313.	1240.	9.67	0.0280	42.	46.	0.01
MILE	33.60	794.33	5561.	0.09	62792.	2165.	8.17	0.0290	54.	51.	0.00
MILE	31.50	794.31	5802.	0.19	30738.	1776.	10.41	0.0250	62.	56.	0.01
MILE	30.10	794.30	5678.	0.18	32383.	892.	9.96	0.0200	44.	54.	0.01
MILE	29.00	794.30	5608.	0.16	36049.	1065.	10.83	0.0200	49.	55.	0.00
MILE	27.30	794.29	5591.	0.15	37386.	1064.	11.22	0.0230	67.	57.	0.00
MILE	25.20	794.27	5874.	0.13	46263.	1062.	12.04	0.0230	74.	60.	0.00
MILE	23.10	794.25	5821.	0.15	38068.	1092.	11.47	0.0230	74.	64.	0.00

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	824.93	4569.	3.27	1396.	320.	2.90	0.0290	74.	6.	0.28
MILE	77.70	818.98	4207.	2.66	1582.	245.	2.99	0.0400	74.	8.	0.18
MILE	75.60	811.77	3114.	2.44	1278.	188.	2.86	0.0400	74.	5.	0.16
MILE	73.50	807.49	2505.	1.98	1266.	157.	2.92	0.0330	74.	8.	0.12
MILE	71.40	805.77	2346.	1.46	1608.	232.	2.57	0.0400	74.	8.	0.10
MILE	69.30	802.67	2350.	1.86	1262.	271.	2.26	0.0340	74.	4.	0.15
MILE	67.20	797.64	2418.	1.99	1214.	281.	2.30	0.0340	74.	7.	0.17
MILE	65.10	794.74	2597.	1.15	2262.	343.	3.26	0.0320	74.	8.	0.08
MILE	63.00	794.54	2965.	0.82	3617.	347.	4.70	0.0400	74.	14.	0.04
MILE	60.90	794.37	3305.	0.70	4730.	360.	5.80	0.0450	74.	18.	0.03
MILE	58.80	794.29	1646.	0.28	5850.	357.	6.17	0.0400	-1931.	21.	0.01
MILE	57.00	794.29	1949.	0.30	6490.	400.	6.08	0.0200	67.	19.	0.01
MILE	55.00	794.29	2291.	0.35	6586.	463.	6.54	0.0200	69.	21.	0.02
MILE	53.10	794.30	2580.	0.28	9099.	570.	6.05	0.0200	70.	21.	0.01
MILE	51.00	794.30	2945.	0.30	9792.	927.	6.16	0.0200	84.	25.	0.02
MILE	48.30	794.30	3851.	0.29	13348.	1637.	4.90	0.0200	84.	25.	0.02

MILE	46.20	794.30	4610.	0.29	15809.	1833.	6.78	0.0200	74.	33.	0.02
MILE	44.10	794.30	5348.	0.19	27968.	1522.	8.09	0.0300	44.	39.	0.01
MILE	43.70	794.30	5467.	0.38	14456.	1377.	8.21	0.0300	37.	41.	0.02
MILE	42.00	794.29	5943.	0.31	19083.	1343.	6.16	0.0300	81.	44.	0.01
MILE	39.10	794.27	6627.	0.36	18306.	1365.	7.88	0.0230	88.	43.	0.02
MILE	37.00	794.28	6799.	0.21	32273.	1130.	7.33	0.0280	55.	43.	0.01
MILE	36.00	794.28	6860.	0.34	19934.	910.	8.37	0.0280	42.	45.	0.01
MILE	34.60	794.28	6949.	0.23	30262.	1238.	9.67	0.0280	42.	46.	0.01
MILE	33.60	794.28	7044.	0.11	62664.	2161.	8.16	0.0290	55.	51.	0.00
MILE	31.50	794.29	7255.	0.24	30715.	1774.	10.41	0.0250	62.	55.	0.01
MILE	30.10	794.29	7217.	0.22	32371.	892.	9.96	0.0200	44.	53.	0.01
MILE	29.00	794.29	7232.	0.20	36044.	1064.	10.83	0.0200	49.	55.	0.01
MILE	27.30	794.29	7301.	0.20	37389.	1064.	11.22	0.0230	67.	57.	0.01
MILE	25.20	794.30	7264.	0.16	46300.	1063.	12.04	0.0230	74.	60.	0.00
MILE	23.10	794.31	7227.	0.19	38125.	1094.	11.47	0.0230	74.	64.	0.01

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.02	2000.	3.35	597.	261.	2.00	0.0290	74.	3.	0.39
MILE	77.70	818.01	2674.	2.07	1294.	216.	2.76	0.0400	74.	7.	0.15
MILE	75.60	812.58	3519.	2.35	1496.	209.	3.15	0.0400	74.	6.	0.15
MILE	73.50	808.28	3459.	2.35	1470.	173.	3.17	0.0330	74.	9.	0.14
MILE	71.40	806.27	3066.	1.70	1808.	241.	2.77	0.0400	74.	8.	0.11
MILE	69.30	802.83	2632.	1.98	1330.	276.	2.32	0.0340	74.	4.	0.16
MILE	67.20	797.68	2508.	2.04	1229.	283.	2.30	0.0340	74.	7.	0.17
MILE	65.10	794.52	2620.	1.20	2180.	335.	3.19	0.0320	74.	8.	0.08
MILE	63.00	794.35	2821.	0.79	3550.	345.	4.67	0.0400	74.	13.	0.04
MILE	60.90	794.20	3058.	0.65	4673.	358.	5.76	0.0450	74.	18.	0.03
MILE	58.80	794.14	1292.	0.22	5794.	356.	6.15	0.0400	-1931.	21.	0.01
MILE	57.00	794.14	1453.	0.23	6428.	398.	6.05	0.0200	67.	19.	0.01
MILE	55.00	794.15	1640.	0.25	6532.	461.	6.52	0.0200	69.	21.	0.01
MILE	53.10	794.15	1889.	0.21	9011.	568.	6.02	0.0200	70.	21.	0.01
MILE	51.00	794.16	2282.	0.23	9717.	923.	6.14	0.0200	85.	25.	0.01
MILE	48.30	794.17	2783.	0.21	13200.	1630.	4.91	0.0200	85.	25.	0.01
MILE	46.20	794.19	3131.	0.20	15711.	1826.	6.76	0.0200	74.	32.	0.01
MILE	44.10	794.21	3513.	0.13	27856.	1517.	8.08	0.0300	44.	39.	0.01
MILE	43.70	794.21	3571.	0.25	14409.	1373.	8.22	0.0300	37.	41.	0.01
MILE	42.00	794.22	3765.	0.20	19004.	1340.	6.16	0.0300	81.	44.	0.01
MILE	39.10	794.25	3989.	0.22	18286.	1364.	7.88	0.0230	88.	43.	0.01
MILE	37.00	794.26	4190.	0.13	32238.	1130.	7.32	0.0280	55.	43.	0.00
MILE	36.00	794.26	4310.	0.22	19922.	909.	8.36	0.0280	42.	45.	0.01
MILE	34.60	794.27	4470.	0.15	30258.	1238.	9.67	0.0280	42.	46.	0.01
MILE	33.60	794.28	4530.	0.07	62661.	2161.	8.16	0.0290	55.	51.	0.00
MILE	31.50	794.29	4559.	0.15	30715.	1774.	10.41	0.0250	62.	55.	0.01
MILE	30.10	794.29	4831.	0.15	32368.	892.	9.96	0.0200	44.	53.	0.00

MILE	29.00	794.29	4930.	0.14	36042.	1064.	10.83	0.0200	49.	55.	0.00
MILE	27.30	794.30	4920.	0.13	37398.	1065.	11.22	0.0230	67.	57.	0.00
MILE	25.20	794.31	4880.	0.11	46309.	1063.	12.04	0.0230	74.	60.	0.00
MILE	23.10	794.31	4916.	0.13	38125.	1094.	11.47	0.0230	74.	64.	0.00

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TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.22	2000.	3.09	647.	265.	2.07	0.0290	74.	4.	0.35
MILE	77.70	817.07	2080.	2.01	1034.	187.	2.52	0.0400	74.	6.	0.15
MILE	75.60	811.60	2424.	1.97	1231.	184.	2.79	0.0400	74.	5.	0.13
MILE	73.50	808.18	2975.	2.06	1445.	171.	3.14	0.0330	74.	9.	0.12
MILE	71.40	806.60	3252.	1.68	1938.	247.	2.89	0.0400	74.	9.	0.11
MILE	69.30	803.26	3238.	2.13	1518.	290.	2.48	0.0340	74.	5.	0.16
MILE	67.20	797.99	2976.	2.17	1371.	298.	2.37	0.0340	74.	7.	0.18
MILE	65.10	794.46	2828.	1.31	2157.	333.	3.17	0.0320	74.	7.	0.09
MILE	63.00	794.27	2871.	0.81	3525.	344.	4.65	0.0400	74.	13.	0.04
MILE	60.90	794.15	2881.	0.62	4655.	357.	5.75	0.0450	74.	18.	0.03
MILE	58.80	794.11	828.	0.14	5784.	355.	6.15	0.0400	-1931.	21.	0.01
MILE	57.00	794.12	822.	0.13	6419.	398.	6.04	0.0200	67.	19.	0.01
MILE	55.00	794.14	838.	0.13	6527.	461.	6.52	0.0200	69.	21.	0.01
MILE	53.10	794.15	824.	0.09	9009.	567.	6.02	0.0200	71.	21.	0.00
MILE	51.00	794.16	741.	0.08	9720.	923.	6.14	0.0200	85.	25.	0.00
MILE	48.30	794.17	677.	0.05	13200.	1630.	4.91	0.0200	85.	25.	0.00
MILE	46.20	794.18	712.	0.05	15704.	1825.	6.76	0.0200	74.	32.	0.00
MILE	44.10	794.19	629.	0.02	27840.	1516.	8.07	0.0300	44.	39.	0.00
MILE	43.70	794.19	619.	0.04	14401.	1372.	8.22	0.0300	37.	41.	0.00
MILE	42.00	794.21	598.	0.03	18980.	1339.	6.16	0.0300	81.	44.	0.00
MILE	39.10	794.22	727.	0.04	18264.	1363.	7.88	0.0230	88.	43.	0.00
MILE	37.00	794.23	695.	0.02	32194.	1129.	7.32	0.0280	55.	43.	0.00
MILE	36.00	794.24	772.	0.04	19901.	908.	8.36	0.0280	42.	45.	0.00
MILE	34.60	794.25	962.	0.03	30233.	1237.	9.66	0.0280	42.	46.	0.00
MILE	33.60	794.25	1030.	0.02	62595.	2160.	8.16	0.0290	55.	51.	0.00
MILE	31.50	794.26	929.	0.03	30694.	1773.	10.41	0.0250	62.	55.	0.00
MILE	30.10	794.27	988.	0.03	32350.	891.	9.96	0.0200	44.	53.	0.00
MILE	29.00	794.28	1059.	0.03	36029.	1064.	10.82	0.0200	49.	55.	0.00
MILE	27.30	794.29	1157.	0.03	37384.	1064.	11.22	0.0230	67.	57.	0.00
MILE	25.20	794.30	1111.	0.02	46299.	1063.	12.04	0.0230	74.	60.	0.00
MILE	23.10	794.31	1275.	0.03	38125.	1094.	11.47	0.0230	74.	64.	0.00

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TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.63	2000.	2.67	749.	273.	2.22	0.0290	74.	4.	0.28
MILE	77.70	816.86	1985.	2.03	980.	180.	2.46	0.0400	74.	6.	0.15
MILE	75.60	810.98	2050.	1.92	1066.	168.	2.56	0.0400	74.	4.	0.13
MILE	73.50	807.70	2402.	1.82	1321.	161.	2.99	0.0330	74.	9.	0.11
MILE	71.40	806.29	2773.	1.53	1816.	242.	2.78	0.0400	74.	8.	0.10
MILE	69.30	803.28	3153.	2.06	1528.	291.	2.49	0.0340	74.	5.	0.16
MILE	67.20	798.33	3362.	2.19	1532.	314.	2.45	0.0340	74.	8.	0.18
MILE	65.10	794.64	3204.	1.44	2223.	339.	3.23	0.0320	74.	8.	0.10
MILE	63.00	794.43	2995.	0.84	3581.	346.	4.69	0.0400	74.	13.	0.05
MILE	60.90	794.30	2855.	0.61	4706.	359.	5.79	0.0450	74.	18.	0.03
MILE	58.80	794.25	782.	0.13	5836.	357.	6.17	0.0400	-1931.	21.	0.01
MILE	57.00	794.25	693.	0.11	6473.	400.	6.07	0.0200	67.	19.	0.00
MILE	55.00	794.25	551.	0.08	6569.	462.	6.54	0.0200	69.	21.	0.00
MILE	53.10	794.24	414.	0.05	9067.	569.	6.04	0.0200	71.	21.	0.00
MILE	51.00	794.24	229.	0.02	9759.	925.	6.15	0.0200	85.	25.	0.00
MILE	48.30	794.24	-210.	-0.02	13274.	1634.	4.91	0.0200	85.	25.	0.00
MILE	46.20	794.25	-784.	-0.05	15759.	1829.	6.77	0.0200	74.	32.	0.00
MILE	44.10	794.25	-1195.	-0.04	27908.	1519.	8.08	0.0300	44.	39.	0.00
MILE	43.70	794.25	-1257.	-0.09	14431.	1375.	8.21	0.0300	37.	41.	0.00
MILE	42.00	794.26	-1507.	-0.08	19047.	1342.	6.16	0.0300	81.	44.	0.00
MILE	39.10	794.28	-2067.	-0.11	18311.	1366.	7.88	0.0230	88.	43.	-0.01
MILE	37.00	794.30	-2454.	-0.08	32297.	1131.	7.33	0.0280	55.	43.	0.00
MILE	36.00	794.30	-2595.	-0.13	19952.	910.	8.37	0.0280	42.	45.	0.00
MILE	34.60	794.31	-2791.	-0.09	30293.	1239.	9.67	0.0280	42.	46.	0.00
MILE	33.60	794.31	-3001.	-0.05	62751.	2164.	8.17	0.0290	55.	51.	0.00
MILE	31.50	794.32	-3466.	-0.11	30745.	1776.	10.42	0.0250	62.	56.	0.00
MILE	30.10	794.33	-3570.	-0.11	32410.	893.	9.97	0.0200	44.	54.	0.00
MILE	29.00	794.33	-3644.	-0.10	36085.	1066.	10.83	0.0200	49.	55.	0.00
MILE	27.30	794.33	-3819.	-0.10	37431.	1066.	11.22	0.0230	67.	57.	0.00
MILE	25.20	794.34	-3949.	-0.09	46340.	1064.	12.05	0.0230	74.	60.	0.00
MILE	23.10	794.35	-4073.	-0.11	38163.	1096.	11.48	0.0230	74.	64.	0.00

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TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.80	2000.	2.53	792.	277.	2.28	0.0290	74.	4.	0.26
MILE	77.70	816.91	2036.	2.05	994.	182.	2.47	0.0400	74.	6.	0.15
MILE	75.60	810.93	2091.	1.99	1052.	167.	2.54	0.0400	74.	4.	0.14
MILE	73.50	807.43	2235.	1.79	1252.	156.	2.90	0.0330	74.	8.	0.11
MILE	71.40	805.98	2475.	1.46	1694.	236.	2.66	0.0400	74.	8.	0.10
MILE	69.30	803.07	2818.	1.96	1435.	284.	2.41	0.0340	74.	4.	0.15
MILE	67.20	798.24	3118.	2.10	1488.	310.	2.43	0.0340	74.	8.	0.17
MILE	65.10	794.80	3246.	1.42	2287.	345.	3.28	0.0320	74.	8.	0.10

MILE	63.00	794.59	3216.	0.88	3634.	348.	4.71	0.0400	74.	14.	0.05
MILE	60.90	794.45	3158.	0.66	4754.	360.	5.82	0.0450	74.	18.	0.03
MILE	58.80	794.39	1061.	0.18	5889.	359.	6.18	0.0400	-1931.	21.	0.01
MILE	57.00	794.39	984.	0.15	6534.	402.	6.10	0.0200	67.	20.	0.01
MILE	55.00	794.39	874.	0.13	6623.	465.	6.56	0.0200	69.	21.	0.01
MILE	53.10	794.39	691.	0.08	9158.	572.	6.07	0.0200	71.	21.	0.00
MILE	51.00	794.40	289.	0.03	9841.	930.	6.17	0.0200	85.	25.	0.00
MILE	48.30	794.40	-672.	-0.05	13464.	1643.	4.90	0.0200	85.	25.	0.00
MILE	46.20	794.40	-1562.	-0.10	15898.	1839.	6.80	0.0200	74.	33.	-0.01
MILE	44.10	794.40	-2395.	-0.09	28090.	1527.	8.11	0.0300	44.	39.	0.00
MILE	43.70	794.40	-2519.	-0.17	14512.	1382.	8.20	0.0300	37.	41.	-0.01
MILE	42.00	794.40	-2979.	-0.15	19223.	1348.	6.16	0.0300	81.	44.	-0.01
MILE	39.10	794.40	-3577.	-0.19	18409.	1371.	7.89	0.0230	88.	43.	-0.01
MILE	37.00	794.39	-3683.	-0.11	32443.	1134.	7.35	0.0280	55.	43.	0.00
MILE	36.00	794.39	-3763.	-0.19	20021.	913.	8.37	0.0280	42.	45.	-0.01
MILE	34.60	794.39	-3919.	-0.13	30375.	1243.	9.68	0.0280	42.	46.	0.00
MILE	33.60	794.39	-4016.	-0.06	62963.	2170.	8.18	0.0290	55.	51.	0.00
MILE	31.50	794.38	-4129.	-0.13	30802.	1780.	10.42	0.0250	62.	56.	-0.01
MILE	30.10	794.38	-4295.	-0.13	32467.	895.	9.98	0.0200	44.	54.	0.00
MILE	29.00	794.38	-4339.	-0.12	36136.	1068.	10.84	0.0200	49.	55.	0.00
MILE	27.30	794.38	-4304.	-0.11	37478.	1068.	11.23	0.0230	67.	57.	0.00
MILE	25.20	794.37	-4199.	-0.09	46380.	1065.	12.05	0.0230	74.	60.	0.00
MILE	23.10	794.37	-4199.	-0.11	38182.	1097.	11.48	0.0230	74.	64.	0.00

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TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.72	2000.	2.59	772.	275.	2.25	0.0290	74.	4.	0.27
MILE	77.70	817.00	2101.	2.07	1016.	185.	2.50	0.0400	74.	6.	0.16
MILE	75.60	811.02	2189.	2.03	1078.	169.	2.57	0.0400	74.	5.	0.14
MILE	73.50	807.39	2268.	1.83	1242.	155.	2.89	0.0330	74.	8.	0.11
MILE	71.40	805.86	2389.	1.45	1644.	233.	2.61	0.0400	74.	8.	0.10
MILE	69.30	802.87	2560.	1.90	1348.	278.	2.34	0.0340	74.	4.	0.15
MILE	67.20	797.98	2764.	2.02	1365.	297.	2.37	0.0340	74.	7.	0.17
MILE	65.10	794.86	2967.	1.29	2309.	347.	3.30	0.0320	74.	8.	0.09
MILE	63.00	794.70	2944.	0.80	3672.	350.	4.73	0.0400	74.	14.	0.04
MILE	60.90	794.59	2830.	0.59	4804.	362.	5.85	0.0450	74.	18.	0.03
MILE	58.80	794.56	727.	0.12	5950.	361.	6.20	0.0400	-1931.	21.	0.01
MILE	57.00	794.56	652.	0.10	6605.	404.	6.14	0.0200	67.	20.	0.00
MILE	55.00	794.55	560.	0.08	6685.	467.	6.58	0.0200	69.	21.	0.00
MILE	53.10	794.55	475.	0.05	9254.	575.	6.10	0.0200	71.	21.	0.00
MILE	51.00	794.54	356.	0.04	9915.	935.	6.19	0.0200	85.	25.	0.00
MILE	48.30	794.53	134.	0.01	13612.	1650.	4.90	0.0200	85.	26.	0.00
MILE	46.20	794.52	-153.	-0.01	16004.	1846.	6.82	0.0200	74.	33.	0.00
MILE	44.10	794.51	-462.	-0.02	28222.	1533.	8.13	0.0300	44.	39.	0.00
MILE	43.70	794.51	-505.	-0.03	14570.	1387.	8.20	0.0300	37.	42.	0.00

MILE	42.00	794.49	-655.	-0.03	19341.	1353.	6.16	0.0300	81.	44.	0.00
MILE	39.10	794.47	-939.	-0.05	18472.	1375.	7.90	0.0230	88.	43.	0.00
MILE	37.00	794.47	-1184.	-0.04	32573.	1138.	7.37	0.0280	55.	43.	0.00
MILE	36.00	794.46	-1327.	-0.07	20082.	915.	8.38	0.0280	42.	45.	0.00
MILE	34.60	794.45	-1552.	-0.05	30438.	1245.	9.69	0.0280	42.	46.	0.00
MILE	33.60	794.45	-1679.	-0.03	63123.	2174.	8.19	0.0290	55.	52.	0.00
MILE	31.50	794.44	-1805.	-0.06	30858.	1783.	10.43	0.0250	62.	56.	0.00
MILE	30.10	794.44	-2053.	-0.06	32528.	897.	9.99	0.0200	44.	54.	0.00
MILE	29.00	794.43	-2159.	-0.06	36188.	1070.	10.85	0.0200	50.	55.	0.00
MILE	27.30	794.42	-2217.	-0.06	37517.	1069.	11.24	0.0230	67.	57.	0.00
MILE	25.20	794.41	-2122.	-0.05	46423.	1067.	12.06	0.0230	74.	60.	0.00
MILE	23.10	794.41	-2248.	-0.06	38220.	1098.	11.49	0.0230	74.	64.	0.00

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TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.60	2012.	2.72	740.	272.	2.21	0.0290	74.	4.	0.29
MILE	77.70	817.03	2123.	2.07	1024.	186.	2.51	0.0400	74.	6.	0.16
MILE	75.60	811.07	2220.	2.04	1090.	170.	2.59	0.0400	74.	5.	0.14
MILE	73.50	807.41	2296.	1.84	1247.	155.	2.90	0.0330	74.	8.	0.11
MILE	71.40	805.82	2368.	1.45	1631.	233.	2.60	0.0400	74.	8.	0.10
MILE	69.30	802.76	2440.	1.88	1301.	274.	2.30	0.0340	74.	4.	0.15
MILE	67.20	797.79	2546.	1.99	1280.	288.	2.33	0.0340	74.	7.	0.17
MILE	65.10	794.93	2681.	1.15	2336.	350.	3.32	0.0320	74.	8.	0.08
MILE	63.00	794.77	2769.	0.75	3697.	351.	4.75	0.0400	74.	14.	0.04
MILE	60.90	794.65	2883.	0.60	4823.	363.	5.87	0.0450	74.	18.	0.03
MILE	58.80	794.60	1007.	0.17	5965.	361.	6.21	0.0400	-1931.	22.	0.01
MILE	57.00	794.59	1104.	0.17	6619.	404.	6.14	0.0200	67.	20.	0.01
MILE	55.00	794.58	1206.	0.18	6695.	467.	6.58	0.0200	69.	21.	0.01
MILE	53.10	794.57	1295.	0.14	9268.	576.	6.10	0.0200	71.	21.	0.01
MILE	51.00	794.57	1386.	0.14	9927.	935.	6.19	0.0200	85.	25.	0.01
MILE	48.30	794.56	1454.	0.11	13647.	1652.	4.90	0.0200	85.	26.	0.01
MILE	46.20	794.55	1446.	0.09	16030.	1848.	6.82	0.0200	74.	33.	0.01
MILE	44.10	794.54	1600.	0.06	28260.	1534.	8.13	0.0300	44.	39.	0.00
MILE	43.70	794.54	1637.	0.11	14587.	1388.	8.20	0.0300	37.	42.	0.01
MILE	42.00	794.52	1874.	0.10	19376.	1354.	6.16	0.0300	81.	45.	0.00
MILE	39.10	794.47	2797.	0.15	18469.	1374.	7.90	0.0230	89.	43.	0.01
MILE	37.00	794.43	3931.	0.12	32516.	1136.	7.36	0.0280	55.	43.	0.00
MILE	36.00	794.42	4343.	0.22	20044.	914.	8.38	0.0280	42.	45.	0.01
MILE	34.60	794.39	4879.	0.16	30377.	1243.	9.68	0.0280	42.	46.	0.01
MILE	33.60	794.38	5430.	0.09	62945.	2169.	8.18	0.0290	55.	51.	0.00
MILE	31.50	794.36	6805.	0.22	30784.	1779.	10.42	0.0250	62.	56.	0.01
MILE	30.10	794.34	7414.	0.23	32423.	894.	9.97	0.0200	44.	54.	0.01
MILE	29.00	794.32	7814.	0.22	36078.	1066.	10.83	0.0200	50.	55.	0.01
MILE	27.30	794.30	8542.	0.23	37402.	1065.	11.22	0.0230	67.	57.	0.01
MILE	25.20	794.27	9314.	0.20	46269.	1062.	12.04	0.0230	74.	60.	0.01

MILE	23.10	794.24	9891.	0.26	38058.	1092.	11.46	0.0230	74.	64.	0.01

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TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.24	5091.	3.42	1488.	324.	3.01	0.0290	74.	7.	0.28
MILE	77.70	819.36	4686.	2.76	1699.	256.	3.08	0.0400	74.	9.	0.19
MILE	75.60	811.98	3374.	2.53	1332.	193.	2.93	0.0400	74.	5.	0.17
MILE	73.50	807.58	2621.	2.03	1291.	159.	2.95	0.0330	74.	8.	0.13
MILE	71.40	805.83	2413.	1.48	1635.	233.	2.60	0.0400	74.	8.	0.10
MILE	69.30	802.71	2399.	1.87	1281.	272.	2.28	0.0340	74.	4.	0.15
MILE	67.20	797.70	2464.	1.99	1240.	284.	2.31	0.0340	74.	7.	0.17
MILE	65.10	794.88	2606.	1.12	2317.	348.	3.30	0.0320	74.	8.	0.08
MILE	63.00	794.72	2775.	0.75	3679.	350.	4.74	0.0400	74.	14.	0.04
MILE	60.90	794.60	2932.	0.61	4804.	362.	5.85	0.0450	74.	18.	0.03
MILE	58.80	794.54	1091.	0.18	5942.	360.	6.20	0.0400	-1931.	21.	0.01
MILE	57.00	794.53	1260.	0.19	6594.	404.	6.13	0.0200	67.	20.	0.01
MILE	55.00	794.51	1526.	0.23	6670.	466.	6.57	0.0200	69.	21.	0.01
MILE	53.10	794.49	1919.	0.21	9218.	574.	6.09	0.0200	71.	21.	0.01
MILE	51.00	794.46	2672.	0.27	9871.	932.	6.18	0.0200	85.	25.	0.01
MILE	48.30	794.40	4551.	0.34	13460.	1643.	4.90	0.0200	85.	25.	0.02
MILE	46.20	794.37	6331.	0.40	15869.	1837.	6.79	0.0200	74.	33.	0.02
MILE	44.10	794.34	7811.	0.28	28022.	1524.	8.10	0.0300	44.	39.	0.01
MILE	43.70	794.34	8038.	0.56	14477.	1379.	8.21	0.0300	37.	41.	0.03
MILE	42.00	794.30	8911.	0.47	19094.	1344.	6.16	0.0300	82.	44.	0.02
MILE	39.10	794.25	10034.	0.55	18283.	1364.	7.88	0.0230	89.	43.	0.03
MILE	37.00	794.25	10032.	0.31	32219.	1129.	7.32	0.0280	55.	43.	0.01
MILE	36.00	794.24	10050.	0.50	19905.	909.	8.36	0.0280	43.	45.	0.02
MILE	34.60	794.24	10112.	0.33	30225.	1236.	9.66	0.0280	43.	46.	0.01
MILE	33.60	794.24	10167.	0.16	62564.	2159.	8.15	0.0290	55.	51.	0.01
MILE	31.50	794.24	10304.	0.34	30674.	1771.	10.40	0.0250	62.	55.	0.01
MILE	30.10	794.24	10437.	0.32	32317.	890.	9.95	0.0200	44.	53.	0.01
MILE	29.00	794.24	10452.	0.29	35990.	1063.	10.82	0.0200	50.	55.	0.01
MILE	27.30	794.24	10334.	0.28	37337.	1063.	11.21	0.0230	67.	57.	0.01
MILE	25.20	794.25	10217.	0.22	46247.	1061.	12.03	0.0230	74.	60.	0.01
MILE	23.10	794.26	10240.	0.27	38077.	1093.	11.47	0.0230	74.	64.	0.01

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TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.03	5430.	3.81	1425.	321.	2.93	0.0290	74.	6.	0.32

MILE	77.70	820.27	5498.	2.75	2000.	284.	3.32	0.0400	74.	10.	0.18
MILE	75.60	813.71	5164.	2.86	1804.	237.	3.52	0.0400	74.	7.	0.18
MILE	73.50	808.81	4272.	2.66	1608.	184.	3.33	0.0330	74.	10.	0.16
MILE	71.40	806.50	3420.	1.80	1899.	245.	2.85	0.0400	74.	9.	0.11
MILE	69.30	802.90	2740.	2.01	1361.	278.	2.35	0.0340	74.	4.	0.16
MILE	67.20	797.73	2537.	2.03	1250.	285.	2.31	0.0340	74.	7.	0.17
MILE	65.10	794.75	2644.	1.17	2266.	343.	3.26	0.0320	74.	8.	0.08
MILE	63.00	794.52	3073.	0.85	3609.	347.	4.70	0.0400	74.	14.	0.05
MILE	60.90	794.29	3681.	0.78	4703.	359.	5.78	0.0450	74.	18.	0.04
MILE	58.80	794.16	2331.	0.40	5801.	356.	6.16	0.0400	-1931.	21.	0.02
MILE	57.00	794.15	2820.	0.44	6431.	398.	6.05	0.0200	67.	19.	0.02
MILE	55.00	794.14	3348.	0.51	6529.	461.	6.52	0.0200	69.	21.	0.02
MILE	53.10	794.14	3845.	0.43	9002.	567.	6.02	0.0200	71.	21.	0.02
MILE	51.00	794.14	4458.	0.46	9708.	922.	6.13	0.0200	85.	25.	0.02
MILE	48.30	794.16	5142.	0.39	13181.	1629.	4.91	0.0200	85.	25.	0.02
MILE	46.20	794.17	5766.	0.37	15690.	1824.	6.76	0.0200	74.	32.	0.02
MILE	44.10	794.18	6474.	0.23	27829.	1516.	8.07	0.0300	44.	39.	0.01
MILE	43.70	794.18	6580.	0.46	14396.	1372.	8.22	0.0300	37.	41.	0.02
MILE	42.00	794.20	6939.	0.37	18967.	1339.	6.16	0.0300	82.	44.	0.02
MILE	39.10	794.19	7757.	0.43	18237.	1361.	7.87	0.0230	89.	43.	0.02
MILE	37.00	794.18	8884.	0.28	32110.	1127.	7.30	0.0280	55.	43.	0.01
MILE	36.00	794.17	9364.	0.47	19848.	906.	8.36	0.0280	43.	45.	0.02
MILE	34.60	794.17	10021.	0.33	30153.	1233.	9.65	0.0280	43.	46.	0.01
MILE	33.60	794.17	10542.	0.17	62367.	2153.	8.14	0.0290	55.	51.	0.01
MILE	31.50	794.16	11521.	0.38	30606.	1767.	10.39	0.0250	62.	55.	0.02
MILE	30.10	794.16	12032.	0.37	32234.	888.	9.94	0.0200	44.	53.	0.01
MILE	29.00	794.16	12383.	0.34	35909.	1060.	10.80	0.0200	50.	54.	0.01
MILE	27.30	794.15	12998.	0.35	37253.	1059.	11.20	0.0230	67.	57.	0.01
MILE	25.20	794.14	13555.	0.29	46123.	1057.	12.02	0.0230	74.	60.	0.01
MILE	23.10	794.12	14184.	0.37	37944.	1087.	11.45	0.0230	74.	64.	0.01

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TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.00	5420.	3.82	1418.	321.	2.92	0.0290	75.	6.	0.32
MILE	77.70	820.33	5446.	2.70	2020.	286.	3.34	0.0400	75.	10.	0.18
MILE	75.60	814.16	5430.	2.81	1929.	249.	3.66	0.0400	75.	8.	0.18
MILE	73.50	809.78	5218.	2.79	1870.	204.	3.61	0.0330	75.	11.	0.16
MILE	71.40	807.58	4786.	2.05	2332.	266.	3.24	0.0400	75.	10.	0.12
MILE	69.30	803.69	4037.	2.36	1713.	304.	2.63	0.0340	75.	5.	0.18
MILE	67.20	798.18	3285.	2.25	1457.	307.	2.41	0.0340	75.	7.	0.18
MILE	65.10	794.45	3047.	1.42	2151.	332.	3.17	0.0320	75.	7.	0.10
MILE	63.00	794.20	3245.	0.93	3499.	343.	4.64	0.0400	75.	13.	0.05
MILE	60.90	794.02	3372.	0.73	4612.	355.	5.72	0.0450	75.	18.	0.04
MILE	58.80	793.97	1397.	0.24	5730.	353.	6.13	0.0400	-1931.	21.	0.01
MILE	57.00	793.98	1469.	0.23	6358.	396.	6.01	0.0200	67.	19.	0.01

MILE	55.00	794.00	1618.	0.25	6475.	458.	6.50	0.0200	69.	20.	0.01
MILE	53.10	794.01	1823.	0.20	8925.	565.	6.00	0.0200	71.	21.	0.01
MILE	51.00	794.02	2223.	0.23	9646.	918.	6.12	0.0200	85.	25.	0.01
MILE	48.30	794.01	3561.	0.27	13011.	1621.	4.91	0.0200	85.	25.	0.02
MILE	46.20	794.01	4980.	0.32	15546.	1814.	6.73	0.0200	75.	32.	0.02
MILE	44.10	794.00	6072.	0.22	27613.	1507.	8.04	0.0300	44.	39.	0.01
MILE	43.70	794.00	6248.	0.44	14298.	1363.	8.23	0.0300	37.	41.	0.02
MILE	42.00	793.99	6957.	0.37	18718.	1330.	6.16	0.0300	82.	44.	0.02
MILE	39.10	793.99	7832.	0.43	18073.	1352.	7.86	0.0230	89.	43.	0.02
MILE	37.00	794.02	7528.	0.24	31843.	1120.	7.27	0.0280	55.	43.	0.01
MILE	36.00	794.02	7419.	0.38	19728.	902.	8.34	0.0280	43.	45.	0.01
MILE	34.60	794.04	7306.	0.24	30026.	1228.	9.63	0.0280	43.	46.	0.01
MILE	33.60	794.05	7225.	0.12	62044.	2145.	8.12	0.0290	55.	51.	0.00
MILE	31.50	794.06	7132.	0.23	30509.	1760.	10.38	0.0250	62.	55.	0.01
MILE	30.10	794.07	7182.	0.22	32145.	885.	9.92	0.0200	44.	53.	0.01
MILE	29.00	794.08	7155.	0.20	35838.	1057.	10.79	0.0200	50.	54.	0.01
MILE	27.30	794.10	6997.	0.19	37202.	1058.	11.19	0.0230	67.	57.	0.01
MILE	25.20	794.13	6878.	0.15	46111.	1057.	12.02	0.0230	75.	60.	0.00
MILE	23.10	794.16	6749.	0.18	37982.	1089.	11.45	0.0230	75.	64.	0.01

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TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.08	5427.	3.77	1439.	322.	2.95	0.0290	75.	6.	0.31
MILE	77.70	820.36	5474.	2.70	2031.	287.	3.35	0.0400	75.	10.	0.18
MILE	75.60	814.29	5490.	2.79	1964.	252.	3.70	0.0400	75.	8.	0.18
MILE	73.50	810.13	5449.	2.77	1966.	211.	3.70	0.0330	75.	11.	0.16
MILE	71.40	808.05	5337.	2.11	2525.	275.	3.40	0.0400	75.	10.	0.12
MILE	69.30	804.40	5138.	2.51	2044.	328.	2.85	0.0340	75.	6.	0.18
MILE	67.20	799.09	4716.	2.45	1921.	350.	2.60	0.0340	75.	8.	0.18
MILE	65.10	794.66	3943.	1.77	2232.	340.	3.23	0.0320	75.	8.	0.12
MILE	63.00	794.30	3655.	1.03	3534.	344.	4.66	0.0400	75.	13.	0.06
MILE	60.90	794.03	3717.	0.81	4616.	356.	5.72	0.0450	75.	18.	0.04
MILE	58.80	793.90	1967.	0.34	5706.	353.	6.12	0.0400	-1931.	21.	0.02
MILE	57.00	793.89	2135.	0.34	6318.	395.	5.99	0.0200	67.	19.	0.01
MILE	55.00	793.87	2270.	0.35	6429.	456.	6.49	0.0200	69.	20.	0.02
MILE	53.10	793.87	2390.	0.27	8838.	562.	5.97	0.0200	71.	21.	0.01
MILE	51.00	793.87	2495.	0.26	9570.	913.	6.10	0.0200	85.	25.	0.01
MILE	48.30	793.90	2118.	0.16	12893.	1615.	4.91	0.0200	85.	25.	0.01
MILE	46.20	793.93	1518.	0.10	15480.	1810.	6.72	0.0200	75.	32.	0.01
MILE	44.10	793.96	1346.	0.05	27558.	1504.	8.03	0.0300	44.	39.	0.00
MILE	43.70	793.96	1316.	0.09	14278.	1361.	8.23	0.0300	37.	41.	0.01
MILE	42.00	793.99	1153.	0.06	18720.	1330.	6.16	0.0300	82.	44.	0.00
MILE	39.10	794.03	1104.	0.06	18107.	1354.	7.86	0.0230	89.	43.	0.00
MILE	37.00	794.04	1993.	0.06	31874.	1121.	7.27	0.0280	55.	43.	0.00
MILE	36.00	794.04	2317.	0.12	19738.	902.	8.34	0.0280	43.	45.	0.00

MILE	34.60	794.04	2703.	0.09	30028.	1228.	9.63	0.0280	43.	46.	0.00
MILE	33.60	794.04	3079.	0.05	62036.	2144.	8.12	0.0290	55.	51.	0.00
MILE	31.50	794.04	3938.	0.13	30496.	1759.	10.38	0.0250	62.	55.	0.01
MILE	30.10	794.05	4151.	0.13	32118.	884.	9.92	0.0200	44.	53.	0.00
MILE	29.00	794.05	4364.	0.12	35804.	1056.	10.79	0.0200	50.	54.	0.00
MILE	27.30	794.05	4895.	0.13	37155.	1056.	11.18	0.0230	67.	57.	0.00
MILE	25.20	794.04	5492.	0.12	46014.	1053.	12.00	0.0230	75.	60.	0.00
MILE	23.10	794.03	5999.	0.16	37859.	1084.	11.43	0.0230	75.	64.	0.00

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TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.25	2243.	3.43	654.	265.	2.08	0.0290	75.	4.	0.39
MILE	77.70	818.57	3013.	2.07	1456.	232.	2.89	0.0400	75.	8.	0.15
MILE	75.60	813.63	4238.	2.38	1783.	235.	3.50	0.0400	75.	7.	0.15
MILE	73.50	810.07	5061.	2.60	1947.	209.	3.69	0.0330	75.	11.	0.15
MILE	71.40	808.21	5442.	2.10	2590.	278.	3.45	0.0400	75.	10.	0.12
MILE	69.30	804.71	5567.	2.54	2192.	338.	2.95	0.0340	75.	6.	0.18
MILE	67.20	799.59	5417.	2.46	2205.	374.	2.71	0.0340	75.	9.	0.18
MILE	65.10	795.01	4941.	2.09	2368.	353.	3.34	0.0320	75.	8.	0.14
MILE	63.00	794.48	4633.	1.29	3598.	347.	4.69	0.0400	75.	13.	0.07
MILE	60.90	794.15	4322.	0.93	4654.	357.	5.75	0.0450	75.	18.	0.05
MILE	58.80	794.05	1913.	0.33	5759.	354.	6.14	0.0400	-1931.	21.	0.01
MILE	57.00	794.05	1648.	0.26	6386.	397.	6.03	0.0200	68.	19.	0.01
MILE	55.00	794.05	1410.	0.22	6494.	459.	6.51	0.0200	69.	21.	0.01
MILE	53.10	794.05	1189.	0.13	8948.	566.	6.00	0.0200	71.	21.	0.01
MILE	51.00	794.04	920.	0.10	9659.	919.	6.12	0.0200	85.	25.	0.01
MILE	48.30	794.01	1049.	0.08	13014.	1621.	4.91	0.0200	85.	25.	0.01
MILE	46.20	793.99	1438.	0.09	15533.	1813.	6.73	0.0200	75.	32.	0.01
MILE	44.10	793.97	1370.	0.05	27579.	1505.	8.04	0.0300	44.	39.	0.00
MILE	43.70	793.97	1375.	0.10	14283.	1362.	8.23	0.0300	37.	41.	0.01
MILE	42.00	793.95	1514.	0.08	18671.	1328.	6.16	0.0300	82.	44.	0.00
MILE	39.10	793.93	1960.	0.11	18019.	1349.	7.85	0.0230	89.	43.	0.01
MILE	37.00	793.93	1724.	0.05	31698.	1117.	7.25	0.0280	55.	43.	0.00
MILE	36.00	793.93	1596.	0.08	19649.	899.	8.33	0.0280	43.	45.	0.00
MILE	34.60	793.93	1443.	0.05	29913.	1223.	9.62	0.0280	43.	45.	0.00
MILE	33.60	793.93	1453.	0.02	61722.	2136.	8.09	0.0290	55.	51.	0.00
MILE	31.50	793.93	1812.	0.06	30392.	1752.	10.36	0.0250	62.	55.	0.00
MILE	30.10	793.93	1939.	0.06	32000.	881.	9.90	0.0200	44.	53.	0.00
MILE	29.00	793.94	2004.	0.06	35692.	1052.	10.77	0.0200	50.	54.	0.00
MILE	27.30	793.94	2141.	0.06	37044.	1052.	11.16	0.0230	68.	57.	0.00
MILE	25.20	793.95	2479.	0.05	45919.	1050.	11.99	0.0230	75.	59.	0.00
MILE	23.10	793.97	2631.	0.07	37802.	1082.	11.42	0.0230	75.	64.	0.00

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TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.15	2000.	3.17	630.	264.	2.05	0.0290	75.	3.	0.36
MILE	77.70	817.30	2204.	2.01	1095.	194.	2.58	0.0400	75.	7.	0.15
MILE	75.60	812.24	2822.	2.01	1404.	200.	3.03	0.0400	75.	6.	0.13
MILE	73.50	809.20	3697.	2.16	1712.	192.	3.44	0.0330	75.	10.	0.13
MILE	71.40	807.72	4434.	1.86	2388.	269.	3.29	0.0400	75.	10.	0.11
MILE	69.30	804.53	5043.	2.40	2105.	332.	2.89	0.0340	75.	6.	0.17
MILE	67.20	799.69	5408.	2.39	2262.	378.	2.73	0.0340	75.	9.	0.17
MILE	65.10	795.40	5374.	2.13	2522.	371.	3.47	0.0320	75.	8.	0.14
MILE	63.00	794.85	5082.	1.36	3724.	352.	4.76	0.0400	75.	14.	0.07
MILE	60.90	794.40	5061.	1.07	4739.	360.	5.81	0.0450	75.	18.	0.05
MILE	58.80	794.17	3315.	0.57	5803.	356.	6.16	0.0400	-1931.	21.	0.02
MILE	57.00	794.14	3477.	0.54	6424.	398.	6.05	0.0200	68.	19.	0.02
MILE	55.00	794.10	3563.	0.55	6514.	460.	6.52	0.0200	69.	21.	0.03
MILE	53.10	794.07	3637.	0.41	8960.	566.	6.01	0.0200	71.	21.	0.02
MILE	51.00	794.04	3752.	0.39	9654.	919.	6.12	0.0200	85.	25.	0.02
MILE	48.30	794.01	3529.	0.27	13018.	1621.	4.91	0.0200	85.	25.	0.02
MILE	46.20	794.01	2888.	0.19	15548.	1814.	6.73	0.0200	75.	32.	0.01
MILE	44.10	794.00	2838.	0.10	27610.	1506.	8.04	0.0300	44.	39.	0.00
MILE	43.70	794.00	2829.	0.20	14298.	1363.	8.23	0.0300	37.	41.	0.01
MILE	42.00	793.99	2746.	0.15	18720.	1330.	6.16	0.0300	82.	44.	0.01
MILE	39.10	793.98	2581.	0.14	18066.	1352.	7.85	0.0230	89.	43.	0.01
MILE	37.00	793.96	3182.	0.10	31760.	1118.	7.26	0.0280	55.	43.	0.00
MILE	36.00	793.96	3417.	0.17	19673.	900.	8.34	0.0280	43.	45.	0.01
MILE	34.60	793.94	3716.	0.12	29929.	1224.	9.62	0.0280	43.	45.	0.00
MILE	33.60	793.94	3999.	0.06	61751.	2137.	8.10	0.0290	55.	51.	0.00
MILE	31.50	793.92	4657.	0.15	30389.	1752.	10.36	0.0250	62.	55.	0.01
MILE	30.10	793.91	4916.	0.15	31970.	880.	9.89	0.0200	44.	53.	0.00
MILE	29.00	793.89	5122.	0.14	35649.	1050.	10.76	0.0200	50.	54.	0.00
MILE	27.30	793.88	5559.	0.15	36988.	1050.	11.16	0.0230	68.	57.	0.00
MILE	25.20	793.86	6071.	0.13	45815.	1047.	11.98	0.0230	75.	59.	0.00
MILE	23.10	793.83	6607.	0.18	37669.	1077.	11.40	0.0230	75.	64.	0.01

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TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.37	2000.	2.93	682.	268.	2.13	0.0290	75.	4.	0.32
MILE	77.70	816.97	2061.	2.04	1009.	184.	2.49	0.0400	75.	6.	0.15
MILE	75.60	811.30	2208.	1.92	1152.	176.	2.68	0.0400	75.	5.	0.13
MILE	73.50	808.28	2757.	1.88	1470.	173.	3.17	0.0330	75.	9.	0.11
MILE	71.40	806.94	3353.	1.62	2074.	254.	3.01	0.0400	75.	9.	0.10

MILE	69.30	803.95	4008.	2.19	1833.	313.	2.71	0.0340	75.	5.	0.16
MILE	67.20	799.35	4638.	2.25	2066.	362.	2.66	0.0340	75.	9.	0.17
MILE	65.10	795.39	5123.	2.04	2517.	370.	3.47	0.0320	75.	8.	0.14
MILE	63.00	794.81	5410.	1.46	3712.	351.	4.76	0.0400	75.	14.	0.08
MILE	60.90	794.31	5587.	1.19	4708.	359.	5.79	0.0450	75.	18.	0.06
MILE	58.80	794.08	3610.	0.63	5771.	355.	6.15	0.0400	-1931.	21.	0.03
MILE	57.00	794.07	3665.	0.57	6396.	397.	6.03	0.0200	68.	19.	0.03
MILE	55.00	794.06	3796.	0.58	6497.	459.	6.51	0.0200	69.	21.	0.03
MILE	53.10	794.05	3931.	0.44	8951.	566.	6.00	0.0200	71.	21.	0.02
MILE	51.00	794.05	4110.	0.43	9660.	919.	6.12	0.0200	86.	25.	0.02
MILE	48.30	794.02	4791.	0.37	13021.	1621.	4.91	0.0200	86.	25.	0.02
MILE	46.20	793.98	5990.	0.39	15528.	1813.	6.73	0.0200	75.	32.	0.02
MILE	44.10	793.96	6678.	0.24	27567.	1505.	8.03	0.0300	45.	39.	0.01
MILE	43.70	793.96	6795.	0.48	14276.	1361.	8.23	0.0300	37.	41.	0.03
MILE	42.00	793.92	7350.	0.39	18632.	1326.	6.16	0.0300	82.	44.	0.02
MILE	39.10	793.85	8633.	0.48	17954.	1345.	7.84	0.0230	89.	43.	0.02
MILE	37.00	793.82	9016.	0.29	31531.	1113.	7.22	0.0280	55.	43.	0.01
MILE	36.00	793.81	9208.	0.47	19554.	895.	8.32	0.0280	43.	45.	0.02
MILE	34.60	793.79	9550.	0.32	29777.	1217.	9.60	0.0280	43.	45.	0.01
MILE	33.60	793.78	9878.	0.16	61340.	2125.	8.07	0.0290	55.	51.	0.01
MILE	31.50	793.77	10648.	0.35	30251.	1743.	10.34	0.0250	62.	55.	0.01
MILE	30.10	793.76	11136.	0.35	31816.	876.	9.86	0.0200	45.	53.	0.01
MILE	29.00	793.75	11396.	0.32	35503.	1045.	10.74	0.0200	50.	54.	0.01
MILE	27.30	793.74	11749.	0.32	36846.	1045.	11.13	0.0230	68.	57.	0.01
MILE	25.20	793.73	12161.	0.27	45680.	1042.	11.96	0.0230	75.	59.	0.01
MILE	23.10	793.72	12664.	0.34	37565.	1073.	11.38	0.0230	75.	64.	0.01

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TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.54	2000.	2.76	726.	271.	2.19	0.0290	75.	4.	0.30
MILE	77.70	816.91	2028.	2.04	992.	182.	2.47	0.0400	75.	6.	0.15
MILE	75.60	810.98	2091.	1.96	1067.	168.	2.56	0.0400	75.	4.	0.14
MILE	73.50	807.69	2333.	1.77	1319.	161.	2.99	0.0330	75.	8.	0.11
MILE	71.40	806.30	2686.	1.48	1820.	242.	2.78	0.0400	75.	9.	0.09
MILE	69.30	803.38	3181.	2.02	1574.	294.	2.52	0.0340	75.	5.	0.15
MILE	67.20	798.78	3734.	2.13	1755.	335.	2.54	0.0340	75.	8.	0.16
MILE	65.10	795.10	4390.	1.83	2400.	356.	3.37	0.0320	75.	8.	0.12
MILE	63.00	794.62	4869.	1.34	3646.	349.	4.72	0.0400	75.	14.	0.07
MILE	60.90	794.17	5283.	1.13	4662.	357.	5.75	0.0450	75.	18.	0.06
MILE	58.80	793.92	3776.	0.66	5712.	353.	6.13	0.0400	-1930.	21.	0.03
MILE	57.00	793.90	4164.	0.66	6323.	395.	6.00	0.0200	68.	19.	0.03
MILE	55.00	793.87	4578.	0.71	6428.	456.	6.49	0.0200	70.	20.	0.03
MILE	53.10	793.85	5024.	0.57	8827.	562.	5.97	0.0200	71.	21.	0.03
MILE	51.00	793.82	5737.	0.60	9545.	912.	6.09	0.0200	86.	25.	0.03
MILE	48.30	793.79	7071.	0.55	12767.	1609.	4.92	0.0200	86.	25.	0.03

MILE	46.20	793.77	8090.	0.53	15341.	1800.	6.69	0.0200	75.	32.	0.03
MILE	44.10	793.77	9319.	0.34	27329.	1494.	8.00	0.0300	45.	39.	0.01
MILE	43.70	793.76	9508.	0.67	14171.	1352.	8.25	0.0300	37.	41.	0.04
MILE	42.00	793.73	10186.	0.55	18406.	1318.	6.16	0.0300	82.	44.	0.03
MILE	39.10	793.70	10848.	0.61	17839.	1339.	7.83	0.0230	89.	43.	0.03
MILE	37.00	793.71	11309.	0.36	31345.	1108.	7.20	0.0280	55.	42.	0.01
MILE	36.00	793.70	11538.	0.59	19468.	892.	8.31	0.0280	43.	45.	0.02
MILE	34.60	793.70	11880.	0.40	29684.	1213.	9.59	0.0280	43.	45.	0.01
MILE	33.60	793.70	12124.	0.20	61107.	2119.	8.05	0.0290	55.	51.	0.01
MILE	31.50	793.70	12525.	0.41	30184.	1738.	10.33	0.0250	62.	55.	0.02
MILE	30.10	793.69	12794.	0.40	31745.	873.	9.85	0.0200	45.	53.	0.01
MILE	29.00	793.69	12925.	0.36	35444.	1043.	10.73	0.0200	50.	54.	0.01
MILE	27.30	793.69	13052.	0.35	36802.	1043.	11.13	0.0230	68.	57.	0.01
MILE	25.20	793.69	13134.	0.29	45635.	1041.	11.96	0.0230	75.	59.	0.01
MILE	23.10	793.69	13367.	0.36	37536.	1072.	11.38	0.0230	75.	64.	0.01

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TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.63	2000.	2.67	749.	273.	2.22	0.0290	75.	4.	0.28
MILE	77.70	816.93	2055.	2.06	999.	183.	2.48	0.0400	75.	6.	0.15
MILE	75.60	810.95	2113.	1.99	1060.	167.	2.55	0.0400	75.	4.	0.14
MILE	73.50	807.41	2211.	1.77	1248.	155.	2.90	0.0330	75.	8.	0.11
MILE	71.40	805.92	2386.	1.43	1670.	235.	2.64	0.0400	75.	8.	0.09
MILE	69.30	802.98	2682.	1.92	1398.	281.	2.38	0.0340	75.	4.	0.15
MILE	67.20	798.25	3072.	2.06	1490.	310.	2.43	0.0340	75.	8.	0.17
MILE	65.10	794.61	3690.	1.67	2214.	338.	3.22	0.0320	75.	8.	0.11
MILE	63.00	794.19	4385.	1.25	3496.	342.	4.64	0.0400	75.	13.	0.07
MILE	60.90	793.77	4969.	1.10	4529.	353.	5.66	0.0450	75.	17.	0.05
MILE	58.80	793.57	3396.	0.61	5582.	349.	6.08	0.0400	-1930.	20.	0.03
MILE	57.00	793.57	3733.	0.60	6181.	390.	5.92	0.0200	68.	19.	0.03
MILE	55.00	793.57	4148.	0.66	6314.	452.	6.44	0.0200	70.	20.	0.03
MILE	53.10	793.58	4559.	0.53	8662.	556.	5.91	0.0200	72.	20.	0.02
MILE	51.00	793.59	5077.	0.54	9427.	905.	6.06	0.0200	86.	24.	0.03
MILE	48.30	793.60	5953.	0.47	12563.	1598.	4.92	0.0200	86.	25.	0.03
MILE	46.20	793.60	7000.	0.46	15189.	1789.	6.66	0.0200	75.	32.	0.03
MILE	44.10	793.61	7751.	0.29	27146.	1486.	7.97	0.0300	45.	38.	0.01
MILE	43.70	793.61	7865.	0.56	14095.	1345.	8.26	0.0300	38.	41.	0.03
MILE	42.00	793.61	8255.	0.45	18262.	1312.	6.16	0.0300	82.	44.	0.02
MILE	39.10	793.63	8440.	0.47	17778.	1335.	7.82	0.0230	90.	43.	0.02
MILE	37.00	793.66	8038.	0.26	31264.	1106.	7.18	0.0280	56.	42.	0.01
MILE	36.00	793.67	7903.	0.41	19443.	891.	8.31	0.0280	43.	45.	0.02
MILE	34.60	793.69	7729.	0.26	29678.	1213.	9.59	0.0280	43.	45.	0.01
MILE	33.60	793.70	7499.	0.12	61112.	2119.	8.05	0.0290	56.	51.	0.00
MILE	31.50	793.71	6847.	0.23	30198.	1739.	10.33	0.0250	63.	55.	0.01
MILE	30.10	793.73	6596.	0.21	31785.	875.	9.86	0.0200	45.	53.	0.01

MILE	29.00	793.74	6423.	0.18	35496.	1045.	10.74	0.0200	50.	54.	0.01
MILE	27.30	793.76	6055.	0.16	36870.	1045.	11.14	0.0230	68.	57.	0.00
MILE	25.20	793.79	5605.	0.12	45739.	1044.	11.97	0.0230	75.	59.	0.00
MILE	23.10	793.81	5335.	0.14	37650.	1076.	11.40	0.0230	75.	64.	0.00

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TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.63	2000.	2.67	748.	273.	2.22	0.0290	76.	4.	0.28
MILE	77.70	816.96	2073.	2.06	1007.	184.	2.49	0.0400	76.	6.	0.15
MILE	75.60	810.97	2133.	2.01	1064.	168.	2.55	0.0400	76.	4.	0.14
MILE	73.50	807.32	2193.	1.79	1223.	153.	2.86	0.0330	76.	8.	0.11
MILE	71.40	805.76	2288.	1.42	1607.	231.	2.57	0.0400	76.	8.	0.10
MILE	69.30	802.77	2450.	1.88	1306.	274.	2.30	0.0340	76.	4.	0.15
MILE	67.20	797.87	2691.	2.05	1315.	292.	2.35	0.0340	76.	7.	0.17
MILE	65.10	794.12	3161.	1.56	2024.	320.	3.06	0.0320	76.	7.	0.11
MILE	63.00	793.79	3674.	1.09	3362.	337.	4.56	0.0400	76.	13.	0.06
MILE	60.90	793.52	4007.	0.90	4443.	350.	5.60	0.0450	76.	17.	0.04
MILE	58.80	793.40	2234.	0.40	5522.	346.	6.06	0.0400	-1930.	20.	0.02
MILE	57.00	793.41	2407.	0.39	6115.	388.	5.89	0.0200	68.	19.	0.02
MILE	55.00	793.43	2580.	0.41	6264.	450.	6.43	0.0200	70.	20.	0.02
MILE	53.10	793.45	2691.	0.31	8589.	554.	5.89	0.0200	72.	20.	0.01
MILE	51.00	793.49	2710.	0.29	9377.	902.	6.04	0.0200	86.	24.	0.02
MILE	48.30	793.55	2281.	0.18	12506.	1595.	4.93	0.0200	86.	25.	0.01
MILE	46.20	793.59	1738.	0.11	15180.	1789.	6.66	0.0200	76.	32.	0.01
MILE	44.10	793.62	1235.	0.05	27161.	1487.	7.98	0.0300	45.	38.	0.00
MILE	43.70	793.63	1154.	0.08	14106.	1346.	8.26	0.0300	38.	41.	0.00
MILE	42.00	793.67	816.	0.04	18329.	1315.	6.16	0.0300	83.	44.	0.00
MILE	39.10	793.73	413.	0.02	17859.	1340.	7.83	0.0230	90.	43.	0.00
MILE	37.00	793.75	598.	0.02	31416.	1110.	7.21	0.0280	56.	42.	0.00
MILE	36.00	793.76	663.	0.03	19517.	894.	8.32	0.0280	43.	45.	0.00
MILE	34.60	793.78	706.	0.02	29764.	1217.	9.60	0.0280	43.	45.	0.00
MILE	33.60	793.78	695.	0.01	61336.	2125.	8.06	0.0290	56.	51.	0.00
MILE	31.50	793.79	565.	0.02	30271.	1744.	10.34	0.0250	63.	55.	0.00
MILE	30.10	793.81	411.	0.01	31868.	877.	9.87	0.0200	45.	53.	0.00
MILE	29.00	793.82	372.	0.01	35573.	1047.	10.75	0.0200	50.	54.	0.00
MILE	27.30	793.83	425.	0.01	36936.	1048.	11.15	0.0230	68.	57.	0.00
MILE	25.20	793.83	581.	0.01	45788.	1046.	11.98	0.0230	76.	59.	0.00
MILE	23.10	793.84	594.	0.02	37678.	1077.	11.40	0.0230	76.	64.	0.00

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TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.65	2000.	2.66	753.	274.	2.22	0.0290	76.	4.	0.28
MILE	77.70	816.96	2068.	2.05	1006.	184.	2.49	0.0400	76.	6.	0.15
MILE	75.60	810.97	2134.	2.00	1065.	168.	2.55	0.0400	76.	4.	0.14
MILE	73.50	807.29	2199.	1.81	1217.	153.	2.86	0.0330	76.	8.	0.11
MILE	71.40	805.72	2276.	1.43	1590.	231.	2.56	0.0400	76.	8.	0.10
MILE	69.30	802.70	2385.	1.87	1275.	272.	2.27	0.0340	76.	4.	0.15
MILE	67.20	797.69	2541.	2.06	1235.	284.	2.31	0.0340	76.	7.	0.17
MILE	65.10	793.86	2816.	1.46	1927.	311.	2.97	0.0320	76.	7.	0.10
MILE	63.00	793.67	2904.	0.87	3321.	335.	4.54	0.0400	76.	13.	0.05
MILE	60.90	793.59	2676.	0.60	4466.	350.	5.61	0.0450	76.	17.	0.03
MILE	58.80	793.60	248.	0.04	5594.	349.	6.09	0.0400	-1930.	21.	0.00
MILE	57.00	793.63	-77.	-0.01	6208.	391.	5.94	0.0200	68.	19.	0.00
MILE	55.00	793.66	-439.	-0.07	6350.	453.	6.46	0.0200	70.	20.	0.00
MILE	53.10	793.69	-793.	-0.09	8730.	559.	5.93	0.0200	72.	20.	0.00
MILE	51.00	793.71	-1251.	-0.13	9488.	908.	6.07	0.0200	86.	24.	-0.01
MILE	48.30	793.72	-1792.	-0.14	12694.	1605.	4.92	0.0200	86.	25.	-0.01
MILE	46.20	793.73	-2532.	-0.17	15306.	1797.	6.69	0.0200	76.	32.	-0.01
MILE	44.10	793.74	-3155.	-0.12	27297.	1493.	8.00	0.0300	45.	39.	0.00
MILE	43.70	793.74	-3230.	-0.23	14162.	1351.	8.25	0.0300	38.	41.	-0.01
MILE	42.00	793.75	-3388.	-0.18	18419.	1318.	6.16	0.0300	83.	44.	-0.01
MILE	39.10	793.76	-3540.	-0.20	17883.	1341.	7.83	0.0230	90.	43.	-0.01
MILE	37.00	793.77	-3862.	-0.12	31447.	1111.	7.21	0.0280	56.	42.	0.00
MILE	36.00	793.78	-4034.	-0.21	19530.	894.	8.32	0.0280	43.	45.	-0.01
MILE	34.60	793.79	-4269.	-0.14	29774.	1217.	9.60	0.0280	43.	45.	-0.01
MILE	33.60	793.79	-4351.	-0.07	61358.	2126.	8.07	0.0290	56.	51.	0.00
MILE	31.50	793.79	-4247.	-0.14	30271.	1744.	10.34	0.0250	63.	55.	-0.01
MILE	30.10	793.80	-4316.	-0.14	31864.	877.	9.87	0.0200	45.	53.	0.00
MILE	29.00	793.81	-4342.	-0.12	35565.	1047.	10.75	0.0200	50.	54.	0.00
MILE	27.30	793.82	-4331.	-0.12	36926.	1047.	11.15	0.0230	68.	57.	0.00
MILE	25.20	793.83	-4259.	-0.09	45785.	1046.	11.97	0.0230	76.	59.	0.00
MILE	23.10	793.85	-4365.	-0.12	37688.	1077.	11.40	0.0230	76.	64.	0.00

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TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.68	2000.	2.63	760.	274.	2.23	0.0290	76.	4.	0.28
MILE	77.70	816.96	2067.	2.05	1006.	184.	2.49	0.0400	76.	6.	0.15
MILE	75.60	810.97	2138.	2.01	1065.	168.	2.55	0.0400	76.	4.	0.14
MILE	73.50	807.30	2214.	1.82	1219.	153.	2.86	0.0330	76.	8.	0.11
MILE	71.40	805.73	2299.	1.44	1593.	231.	2.56	0.0400	76.	8.	0.10
MILE	69.30	802.70	2404.	1.88	1277.	272.	2.28	0.0340	76.	4.	0.15
MILE	67.20	797.67	2519.	2.06	1224.	282.	2.30	0.0340	76.	7.	0.17
MILE	65.10	794.14	2546.	1.25	2032.	321.	3.06	0.0320	76.	7.	0.09

MILE	63.00	794.02	2230.	0.65	3441.	340.	4.61	0.0400	76.	13.	0.04
MILE	60.90	793.95	2002.	0.44	4589.	355.	5.70	0.0450	76.	17.	0.02
MILE	58.80	793.93	-196.	-0.03	5715.	353.	6.13	0.0400	-1930.	21.	0.00
MILE	57.00	793.92	-395.	-0.06	6332.	395.	6.00	0.0200	68.	19.	0.00
MILE	55.00	793.91	-644.	-0.10	6442.	457.	6.49	0.0200	70.	20.	0.00
MILE	53.10	793.90	-855.	-0.10	8855.	563.	5.97	0.0200	72.	21.	0.00
MILE	51.00	793.88	-1164.	-0.12	9576.	914.	6.10	0.0200	86.	25.	-0.01
MILE	48.30	793.87	-2103.	-0.16	12863.	1614.	4.91	0.0200	86.	25.	-0.01
MILE	46.20	793.87	-2980.	-0.19	15429.	1806.	6.71	0.0200	76.	32.	-0.01
MILE	44.10	793.87	-3724.	-0.14	27457.	1500.	8.02	0.0300	45.	39.	-0.01
MILE	43.70	793.87	-3847.	-0.27	14231.	1357.	8.24	0.0300	38.	41.	-0.01
MILE	42.00	793.88	-4388.	-0.24	18582.	1325.	6.16	0.0300	83.	44.	-0.01
MILE	39.10	793.90	-5423.	-0.30	17999.	1348.	7.85	0.0230	90.	43.	-0.01
MILE	37.00	793.90	-5733.	-0.18	31663.	1116.	7.24	0.0280	56.	43.	-0.01
MILE	36.00	793.91	-5885.	-0.30	19633.	898.	8.33	0.0280	43.	45.	-0.01
MILE	34.60	793.91	-6156.	-0.21	29897.	1222.	9.62	0.0280	43.	45.	-0.01
MILE	33.60	793.91	-6430.	-0.10	61684.	2135.	8.09	0.0290	56.	51.	0.00
MILE	31.50	793.91	-7062.	-0.23	30379.	1752.	10.36	0.0250	63.	55.	-0.01
MILE	30.10	793.91	-7460.	-0.23	31979.	880.	9.89	0.0200	45.	53.	-0.01
MILE	29.00	793.92	-7650.	-0.21	35669.	1051.	10.76	0.0200	50.	54.	-0.01
MILE	27.30	793.92	-7859.	-0.21	37021.	1051.	11.16	0.0230	68.	57.	-0.01
MILE	25.20	793.91	-7963.	-0.17	45877.	1049.	11.99	0.0230	76.	59.	0.00
MILE	23.10	793.91	-8082.	-0.21	37745.	1080.	11.41	0.0230	76.	64.	-0.01

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TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.68	2000.	2.63	761.	274.	2.24	0.0290	76.	4.	0.28
MILE	77.70	816.97	2077.	2.06	1009.	184.	2.49	0.0400	76.	6.	0.15
MILE	75.60	810.99	2158.	2.02	1071.	168.	2.56	0.0400	76.	4.	0.14
MILE	73.50	807.33	2243.	1.83	1227.	154.	2.87	0.0330	76.	8.	0.11
MILE	71.40	805.76	2335.	1.45	1606.	231.	2.57	0.0400	76.	8.	0.10
MILE	69.30	802.73	2428.	1.89	1288.	273.	2.29	0.0340	76.	4.	0.15
MILE	67.20	797.67	2494.	2.04	1224.	282.	2.30	0.0340	76.	7.	0.17
MILE	65.10	794.35	2515.	1.19	2114.	329.	3.13	0.0320	76.	7.	0.08
MILE	63.00	794.21	2507.	0.72	3502.	343.	4.64	0.0400	76.	13.	0.04
MILE	60.90	794.12	2442.	0.53	4644.	357.	5.74	0.0450	76.	18.	0.03
MILE	58.80	794.09	358.	0.06	5774.	355.	6.15	0.0400	-1930.	21.	0.00
MILE	57.00	794.08	323.	0.05	6402.	397.	6.04	0.0200	68.	19.	0.00
MILE	55.00	794.08	265.	0.04	6507.	460.	6.52	0.0200	70.	21.	0.00
MILE	53.10	794.08	82.	0.01	8970.	566.	6.01	0.0200	72.	21.	0.00
MILE	51.00	794.09	-367.	-0.04	9681.	920.	6.13	0.0200	86.	25.	0.00
MILE	48.30	794.08	-1278.	-0.10	13093.	1625.	4.91	0.0200	86.	25.	-0.01
MILE	46.20	794.07	-2126.	-0.14	15603.	1818.	6.74	0.0200	76.	32.	-0.01
MILE	44.10	794.06	-3080.	-0.11	27682.	1510.	8.05	0.0300	45.	39.	0.00
MILE	43.70	794.06	-3218.	-0.22	14329.	1366.	8.23	0.0300	38.	41.	-0.01

MILE	42.00	794.05	-3675.	-0.20	18789.	1332.	6.16	0.0300	83.	44.	-0.01
MILE	39.10	794.03	-4103.	-0.23	18104.	1354.	7.86	0.0230	90.	43.	-0.01
MILE	37.00	794.02	-4386.	-0.14	31843.	1120.	7.27	0.0280	56.	43.	0.00
MILE	36.00	794.01	-4458.	-0.23	19716.	901.	8.34	0.0280	43.	45.	-0.01
MILE	34.60	794.00	-4522.	-0.15	29986.	1226.	9.63	0.0280	43.	46.	-0.01
MILE	33.60	794.00	-4620.	-0.07	61911.	2141.	8.11	0.0290	56.	51.	0.00
MILE	31.50	793.99	-4900.	-0.16	30450.	1756.	10.37	0.0250	63.	55.	-0.01
MILE	30.10	793.98	-4928.	-0.15	32051.	882.	9.90	0.0200	45.	53.	0.00
MILE	29.00	793.98	-4927.	-0.14	35730.	1053.	10.77	0.0200	50.	54.	0.00
MILE	27.30	793.97	-4927.	-0.13	37073.	1053.	11.17	0.0230	68.	57.	0.00
MILE	25.20	793.96	-4910.	-0.11	45928.	1051.	11.99	0.0230	76.	59.	0.00
MILE	23.10	793.95	-4911.	-0.13	37783.	1081.	11.42	0.0230	76.	64.	0.00

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TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.64	2000.	2.67	750.	273.	2.22	0.0290	76.	4.	0.28
MILE	77.70	816.99	2091.	2.06	1013.	184.	2.49	0.0400	76.	6.	0.16
MILE	75.60	811.02	2182.	2.02	1078.	169.	2.57	0.0400	76.	5.	0.14
MILE	73.50	807.37	2269.	1.84	1236.	154.	2.88	0.0330	76.	8.	0.11
MILE	71.40	805.79	2352.	1.45	1617.	232.	2.58	0.0400	76.	8.	0.10
MILE	69.30	802.73	2420.	1.88	1288.	273.	2.29	0.0340	76.	4.	0.15
MILE	67.20	797.66	2482.	2.03	1223.	282.	2.30	0.0340	76.	7.	0.17
MILE	65.10	794.47	2507.	1.16	2158.	333.	3.17	0.0320	76.	7.	0.08
MILE	63.00	794.34	2387.	0.67	3550.	345.	4.67	0.0400	76.	13.	0.04
MILE	60.90	794.26	2306.	0.49	4692.	358.	5.78	0.0450	76.	18.	0.02
MILE	58.80	794.23	289.	0.05	5826.	357.	6.16	0.0400	-1930.	21.	0.00
MILE	57.00	794.22	243.	0.04	6461.	399.	6.06	0.0200	68.	19.	0.00
MILE	55.00	794.21	170.	0.03	6556.	462.	6.53	0.0200	70.	21.	0.00
MILE	53.10	794.20	165.	0.02	9040.	569.	6.03	0.0200	72.	21.	0.00
MILE	51.00	794.18	268.	0.03	9731.	923.	6.14	0.0200	86.	25.	0.00
MILE	48.30	794.16	448.	0.03	13188.	1630.	4.91	0.0200	86.	25.	0.00
MILE	46.20	794.15	333.	0.02	15678.	1824.	6.76	0.0200	76.	32.	0.00
MILE	44.10	794.14	475.	0.02	27776.	1514.	8.06	0.0300	45.	39.	0.00
MILE	43.70	794.14	501.	0.03	14370.	1369.	8.22	0.0300	38.	41.	0.00
MILE	42.00	794.12	608.	0.03	18872.	1335.	6.16	0.0300	83.	44.	0.00
MILE	39.10	794.09	576.	0.03	18154.	1357.	7.86	0.0230	90.	43.	0.00
MILE	37.00	794.07	408.	0.01	31936.	1122.	7.28	0.0280	56.	43.	0.00
MILE	36.00	794.07	393.	0.02	19761.	903.	8.35	0.0280	43.	45.	0.00
MILE	34.60	794.05	413.	0.01	30037.	1228.	9.64	0.0280	43.	46.	0.00
MILE	33.60	794.05	355.	0.01	62044.	2145.	8.12	0.0290	56.	51.	0.00
MILE	31.50	794.04	91.	0.00	30491.	1759.	10.38	0.0250	63.	55.	0.00
MILE	30.10	794.02	126.	0.00	32093.	884.	9.91	0.0200	45.	53.	0.00
MILE	29.00	794.01	137.	0.00	35768.	1054.	10.78	0.0200	50.	54.	0.00
MILE	27.30	794.00	62.	0.00	37105.	1054.	11.17	0.0230	68.	57.	0.00
MILE	25.20	793.99	-147.	0.00	45963.	1052.	12.00	0.0230	76.	59.	0.00

MILE	23.10	793.98	-184.	0.00	37811.	1082.	11.42	0.0230	76.	64.	0.00

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TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.59	2012.	2.73	738.	272.	2.20	0.0290	76.	4.	0.29
MILE	77.70	817.00	2104.	2.07	1017.	185.	2.50	0.0400	76.	6.	0.16
MILE	75.60	811.03	2190.	2.03	1081.	169.	2.58	0.0400	76.	5.	0.14
MILE	73.50	807.38	2271.	1.83	1239.	155.	2.89	0.0330	76.	8.	0.11
MILE	71.40	805.79	2346.	1.45	1618.	232.	2.58	0.0400	76.	8.	0.10
MILE	69.30	802.72	2410.	1.88	1285.	273.	2.28	0.0340	76.	4.	0.15
MILE	67.20	797.67	2471.	2.02	1224.	282.	2.30	0.0340	76.	7.	0.17
MILE	65.10	794.56	2516.	1.15	2192.	336.	3.20	0.0320	76.	8.	0.08
MILE	63.00	794.39	2647.	0.74	3565.	345.	4.68	0.0400	76.	13.	0.04
MILE	60.90	794.26	2833.	0.60	4691.	358.	5.77	0.0450	76.	18.	0.03
MILE	58.80	794.20	1008.	0.17	5815.	356.	6.16	0.0400	-1930.	21.	0.01
MILE	57.00	794.19	1183.	0.18	6446.	399.	6.06	0.0200	68.	19.	0.01
MILE	55.00	794.17	1419.	0.22	6540.	461.	6.53	0.0200	70.	21.	0.01
MILE	53.10	794.16	1643.	0.18	9014.	568.	6.02	0.0200	72.	21.	0.01
MILE	51.00	794.15	1884.	0.19	9711.	922.	6.13	0.0200	86.	25.	0.01
MILE	48.30	794.13	2232.	0.17	13150.	1628.	4.91	0.0200	86.	25.	0.01
MILE	46.20	794.12	2784.	0.18	15644.	1821.	6.75	0.0200	76.	32.	0.01
MILE	44.10	794.11	3100.	0.11	27739.	1512.	8.06	0.0300	45.	39.	0.00
MILE	43.70	794.11	3146.	0.22	14354.	1368.	8.22	0.0300	38.	41.	0.01
MILE	42.00	794.10	3294.	0.17	18846.	1334.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.08	3560.	0.20	18147.	1356.	7.86	0.0230	90.	43.	0.01
MILE	37.00	794.07	3736.	0.12	31934.	1122.	7.28	0.0280	56.	43.	0.00
MILE	36.00	794.07	3844.	0.19	19763.	903.	8.35	0.0280	43.	45.	0.01
MILE	34.60	794.06	4002.	0.13	30049.	1229.	9.64	0.0280	43.	46.	0.00
MILE	33.60	794.06	4053.	0.07	62084.	2146.	8.12	0.0290	56.	51.	0.00
MILE	31.50	794.06	3995.	0.13	30511.	1760.	10.38	0.0250	63.	55.	0.01
MILE	30.10	794.05	4063.	0.13	32126.	885.	9.92	0.0200	45.	53.	0.00
MILE	29.00	794.05	4078.	0.11	35806.	1056.	10.79	0.0200	50.	54.	0.00
MILE	27.30	794.05	4011.	0.11	37153.	1056.	11.18	0.0230	68.	57.	0.00
MILE	25.20	794.05	3896.	0.08	46021.	1054.	12.01	0.0230	76.	60.	0.00
MILE	23.10	794.04	3870.	0.10	37868.	1084.	11.43	0.0230	76.	64.	0.00

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TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	824.87	4531.	3.29	1378.	318.	2.89	0.0290	76.	6.	0.28

MILE	77.70	818.96	4181.	2.65	1575.	244.	2.99	0.0400	76.	8.	0.18
MILE	75.60	811.78	3118.	2.44	1280.	188.	2.86	0.0400	76.	5.	0.16
MILE	73.50	807.53	2536.	1.99	1276.	158.	2.93	0.0330	76.	8.	0.12
MILE	71.40	805.81	2391.	1.47	1626.	232.	2.59	0.0400	76.	8.	0.10
MILE	69.30	802.71	2405.	1.88	1281.	272.	2.28	0.0340	76.	4.	0.15
MILE	67.20	797.66	2472.	2.02	1221.	282.	2.30	0.0340	76.	7.	0.17
MILE	65.10	794.45	2598.	1.21	2152.	332.	3.17	0.0320	76.	7.	0.08
MILE	63.00	794.27	2835.	0.80	3523.	344.	4.65	0.0400	76.	13.	0.04
MILE	60.90	794.12	3077.	0.66	4643.	357.	5.74	0.0450	76.	18.	0.03
MILE	58.80	794.04	1350.	0.23	5758.	354.	6.14	0.0400	-1930.	21.	0.01
MILE	57.00	794.04	1566.	0.25	6385.	397.	6.03	0.0200	68.	19.	0.01
MILE	55.00	794.04	1795.	0.28	6493.	459.	6.51	0.0200	70.	21.	0.01
MILE	53.10	794.05	2006.	0.22	8947.	566.	6.00	0.0200	72.	21.	0.01
MILE	51.00	794.05	2293.	0.24	9662.	919.	6.12	0.0200	86.	25.	0.01
MILE	48.30	794.05	2827.	0.22	13062.	1624.	4.91	0.0200	86.	25.	0.01
MILE	46.20	794.06	3285.	0.21	15590.	1817.	6.74	0.0200	76.	32.	0.01
MILE	44.10	794.06	3640.	0.13	27678.	1509.	8.05	0.0300	45.	39.	0.01
MILE	43.70	794.06	3703.	0.26	14328.	1366.	8.23	0.0300	38.	41.	0.01
MILE	42.00	794.05	3993.	0.21	18794.	1333.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.04	4758.	0.26	18110.	1354.	7.86	0.0230	90.	43.	0.01
MILE	37.00	794.02	5399.	0.17	31853.	1120.	7.27	0.0280	56.	43.	0.01
MILE	36.00	794.02	5635.	0.29	19721.	902.	8.34	0.0280	43.	45.	0.01
MILE	34.60	794.01	5943.	0.20	29995.	1227.	9.63	0.0280	43.	46.	0.01
MILE	33.60	794.01	6254.	0.10	61936.	2142.	8.11	0.0290	56.	51.	0.00
MILE	31.50	794.00	7004.	0.23	30455.	1757.	10.37	0.0250	63.	55.	0.01
MILE	30.10	793.99	7315.	0.23	32062.	883.	9.91	0.0200	45.	53.	0.01
MILE	29.00	793.99	7551.	0.21	35745.	1054.	10.78	0.0200	50.	54.	0.01
MILE	27.30	793.98	8019.	0.22	37085.	1053.	11.17	0.0230	68.	57.	0.01
MILE	25.20	793.97	8502.	0.19	45937.	1051.	11.99	0.0230	76.	59.	0.00
MILE	23.10	793.96	8832.	0.23	37792.	1082.	11.42	0.0230	76.	64.	0.01

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	821.96	2000.	3.43	583.	260.	1.98	0.0290	76.	3.	0.40
MILE	77.70	818.01	2679.	2.07	1293.	216.	2.76	0.0400	76.	7.	0.15
MILE	75.60	812.58	3525.	2.36	1496.	209.	3.15	0.0400	76.	6.	0.16
MILE	73.50	808.31	3478.	2.35	1477.	173.	3.18	0.0330	76.	9.	0.14
MILE	71.40	806.31	3102.	1.70	1823.	242.	2.78	0.0400	76.	9.	0.11
MILE	69.30	802.87	2677.	1.99	1347.	277.	2.34	0.0340	76.	4.	0.16
MILE	67.20	797.70	2550.	2.06	1237.	284.	2.31	0.0340	76.	7.	0.17
MILE	65.10	794.32	2625.	1.25	2102.	328.	3.12	0.0320	76.	7.	0.09
MILE	63.00	794.14	2777.	0.80	3481.	342.	4.63	0.0400	76.	13.	0.04
MILE	60.90	794.01	2928.	0.64	4608.	355.	5.72	0.0450	76.	17.	0.03
MILE	58.80	793.96	1053.	0.18	5726.	353.	6.13	0.0400	-1930.	21.	0.01
MILE	57.00	793.96	1159.	0.18	6350.	396.	6.01	0.0200	68.	19.	0.01

MILE	55.00	793.96	1301.	0.20	6462.	458.	6.50	0.0200	70.	20.	0.01
MILE	53.10	793.96	1510.	0.17	8895.	564.	5.99	0.0200	72.	21.	0.01
MILE	51.00	793.95	1933.	0.20	9612.	916.	6.11	0.0200	86.	25.	0.01
MILE	48.30	793.93	3055.	0.24	12928.	1617.	4.91	0.0200	86.	25.	0.01
MILE	46.20	793.93	3870.	0.25	15479.	1810.	6.72	0.0200	76.	32.	0.02
MILE	44.10	793.92	4791.	0.17	27518.	1502.	8.03	0.0300	45.	39.	0.01
MILE	43.70	793.92	4937.	0.35	14257.	1359.	8.24	0.0300	38.	41.	0.02
MILE	42.00	793.91	5491.	0.29	18621.	1326.	6.16	0.0300	83.	44.	0.01
MILE	39.10	793.91	5959.	0.33	18009.	1349.	7.85	0.0230	90.	43.	0.02
MILE	37.00	793.93	5897.	0.19	31701.	1117.	7.25	0.0280	56.	43.	0.01
MILE	36.00	793.93	5826.	0.30	19654.	899.	8.33	0.0280	43.	45.	0.01
MILE	34.60	793.94	5706.	0.19	29927.	1224.	9.62	0.0280	43.	45.	0.01
MILE	33.60	793.94	5692.	0.09	61769.	2137.	8.10	0.0290	56.	51.	0.00
MILE	31.50	793.95	5877.	0.19	30411.	1754.	10.36	0.0250	63.	55.	0.01
MILE	30.10	793.96	5821.	0.18	32022.	882.	9.90	0.0200	45.	53.	0.01
MILE	29.00	793.96	5757.	0.16	35715.	1053.	10.77	0.0200	50.	54.	0.00
MILE	27.30	793.97	5628.	0.15	37074.	1053.	11.17	0.0230	68.	57.	0.00
MILE	25.20	793.98	5580.	0.12	45949.	1051.	12.00	0.0230	76.	59.	0.00
MILE	23.10	794.00	5402.	0.14	37830.	1083.	11.43	0.0230	76.	64.	0.00

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.11	2000.	3.22	620.	263.	2.03	0.0290	76.	3.	0.37
MILE	77.70	817.08	2094.	2.02	1038.	187.	2.52	0.0400	76.	6.	0.15
MILE	75.60	811.61	2441.	1.98	1236.	184.	2.80	0.0400	76.	5.	0.13
MILE	73.50	808.21	2992.	2.06	1453.	172.	3.15	0.0330	76.	9.	0.12
MILE	71.40	806.62	3270.	1.68	1948.	248.	2.90	0.0400	76.	9.	0.11
MILE	69.30	803.28	3255.	2.13	1526.	291.	2.49	0.0340	76.	5.	0.16
MILE	67.20	798.00	2998.	2.18	1374.	298.	2.37	0.0340	76.	7.	0.18
MILE	65.10	794.31	2833.	1.35	2096.	327.	3.12	0.0320	76.	7.	0.09
MILE	63.00	794.08	2947.	0.85	3459.	341.	4.62	0.0400	76.	13.	0.05
MILE	60.90	793.90	3211.	0.70	4571.	354.	5.69	0.0450	76.	17.	0.03
MILE	58.80	793.82	1491.	0.26	5673.	352.	6.11	0.0400	-1930.	21.	0.01
MILE	57.00	793.81	1701.	0.27	6286.	394.	5.98	0.0200	68.	19.	0.01
MILE	55.00	793.81	1929.	0.30	6405.	455.	6.48	0.0200	70.	20.	0.01
MILE	53.10	793.81	2134.	0.24	8805.	561.	5.96	0.0200	72.	21.	0.01
MILE	51.00	793.82	2300.	0.24	9546.	912.	6.09	0.0200	86.	25.	0.01
MILE	48.30	793.85	2082.	0.16	12838.	1612.	4.92	0.0200	86.	25.	0.01
MILE	46.20	793.87	2156.	0.14	15423.	1806.	6.71	0.0200	76.	32.	0.01
MILE	44.10	793.89	2048.	0.07	27472.	1500.	8.02	0.0300	45.	39.	0.00
MILE	43.70	793.89	2016.	0.14	14240.	1358.	8.24	0.0300	38.	41.	0.01
MILE	42.00	793.92	1776.	0.10	18626.	1326.	6.16	0.0300	83.	44.	0.00
MILE	39.10	793.96	1262.	0.07	18050.	1351.	7.85	0.0230	90.	43.	0.00
MILE	37.00	793.98	1221.	0.04	31789.	1119.	7.26	0.0280	56.	43.	0.00
MILE	36.00	793.99	1179.	0.06	19703.	901.	8.34	0.0280	43.	45.	0.00

MILE	34.60	794.01	1039.	0.03	29996.	1227.	9.63	0.0280	43.	46.	0.00
MILE	33.60	794.02	831.	0.01	61964.	2142.	8.11	0.0290	56.	51.	0.00
MILE	31.50	794.03	247.	0.01	30485.	1759.	10.38	0.0250	63.	55.	0.00
MILE	30.10	794.04	-73.	0.00	32116.	884.	9.92	0.0200	45.	53.	0.00
MILE	29.00	794.06	-230.	-0.01	35809.	1056.	10.79	0.0200	50.	54.	0.00
MILE	27.30	794.07	-452.	-0.01	37172.	1057.	11.18	0.0230	68.	57.	0.00
MILE	25.20	794.08	-674.	-0.01	46062.	1055.	12.01	0.0230	76.	60.	0.00
MILE	23.10	794.09	-797.	-0.02	37916.	1086.	11.44	0.0230	76.	64.	0.00

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.51	2000.	2.79	718.	271.	2.18	0.0290	76.	4.	0.30
MILE	77.70	816.86	1989.	2.03	981.	181.	2.46	0.0400	76.	6.	0.15
MILE	75.60	810.99	2060.	1.93	1069.	168.	2.56	0.0400	76.	4.	0.13
MILE	73.50	807.73	2412.	1.82	1328.	162.	3.00	0.0330	76.	9.	0.11
MILE	71.40	806.31	2781.	1.52	1824.	242.	2.78	0.0400	76.	9.	0.10
MILE	69.30	803.28	3153.	2.06	1530.	291.	2.49	0.0340	76.	5.	0.16
MILE	67.20	798.31	3355.	2.21	1521.	313.	2.44	0.0340	76.	8.	0.18
MILE	65.10	794.31	3252.	1.55	2096.	327.	3.12	0.0320	76.	7.	0.11
MILE	63.00	794.05	3219.	0.93	3450.	341.	4.61	0.0400	76.	13.	0.05
MILE	60.90	793.90	3075.	0.67	4572.	354.	5.69	0.0450	76.	17.	0.03
MILE	58.80	793.86	892.	0.16	5691.	352.	6.12	0.0400	-1930.	21.	0.01
MILE	57.00	793.87	783.	0.12	6312.	394.	5.99	0.0200	68.	19.	0.01
MILE	55.00	793.89	633.	0.10	6435.	457.	6.49	0.0200	70.	20.	0.00
MILE	53.10	793.92	366.	0.04	8868.	563.	5.98	0.0200	72.	21.	0.00
MILE	51.00	793.95	-149.	-0.02	9610.	916.	6.11	0.0200	86.	25.	0.00
MILE	48.30	793.98	-990.	-0.08	12977.	1619.	4.91	0.0200	86.	25.	0.00
MILE	46.20	794.00	-1902.	-0.12	15540.	1814.	6.73	0.0200	76.	32.	-0.01
MILE	44.10	794.01	-2748.	-0.10	27627.	1507.	8.04	0.0300	45.	39.	0.00
MILE	43.70	794.02	-2868.	-0.20	14307.	1364.	8.23	0.0300	38.	41.	-0.01
MILE	42.00	794.04	-3259.	-0.17	18770.	1332.	6.16	0.0300	83.	44.	-0.01
MILE	39.10	794.07	-3899.	-0.21	18137.	1356.	7.86	0.0230	90.	43.	-0.01
MILE	37.00	794.09	-4632.	-0.14	31967.	1123.	7.28	0.0280	56.	43.	0.00
MILE	36.00	794.10	-4843.	-0.24	19790.	904.	8.35	0.0280	43.	45.	-0.01
MILE	34.60	794.11	-5060.	-0.17	30100.	1231.	9.64	0.0280	43.	46.	-0.01
MILE	33.60	794.12	-5349.	-0.09	62242.	2150.	8.13	0.0290	56.	51.	0.00
MILE	31.50	794.13	-6150.	-0.20	30579.	1765.	10.39	0.0250	63.	55.	-0.01
MILE	30.10	794.14	-6331.	-0.20	32218.	887.	9.93	0.0200	45.	53.	-0.01
MILE	29.00	794.15	-6446.	-0.18	35904.	1059.	10.80	0.0200	50.	54.	-0.01
MILE	27.30	794.16	-6714.	-0.18	37265.	1060.	11.20	0.0230	68.	57.	-0.01
MILE	25.20	794.18	-7024.	-0.15	46172.	1059.	12.03	0.0230	76.	60.	0.00
MILE	23.10	794.20	-7287.	-0.19	38020.	1090.	11.46	0.0230	76.	64.	-0.01

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TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.70	2000.	2.61	765.	274.	2.24	0.0290	76.	4.	0.28
MILE	77.70	816.90	2032.	2.05	991.	182.	2.47	0.0400	76.	6.	0.15
MILE	75.60	810.92	2086.	1.99	1050.	166.	2.53	0.0400	76.	4.	0.14
MILE	73.50	807.44	2230.	1.78	1255.	156.	2.91	0.0330	76.	8.	0.11
MILE	71.40	805.99	2466.	1.45	1696.	236.	2.66	0.0400	76.	8.	0.10
MILE	69.30	803.06	2806.	1.96	1432.	284.	2.41	0.0340	76.	4.	0.15
MILE	67.20	798.21	3115.	2.12	1473.	308.	2.42	0.0340	76.	8.	0.17
MILE	65.10	794.51	3242.	1.49	2172.	334.	3.18	0.0320	76.	8.	0.10
MILE	63.00	794.33	2931.	0.83	3546.	345.	4.67	0.0400	76.	13.	0.05
MILE	60.90	794.24	2579.	0.55	4683.	358.	5.77	0.0450	76.	18.	0.03
MILE	58.80	794.21	255.	0.04	5819.	356.	6.16	0.0400	-1930.	21.	0.00
MILE	57.00	794.21	-55.	-0.01	6455.	399.	6.06	0.0200	68.	19.	0.00
MILE	55.00	794.21	-451.	-0.07	6554.	462.	6.53	0.0200	70.	21.	0.00
MILE	53.10	794.20	-809.	-0.09	9041.	569.	6.03	0.0200	72.	21.	0.00
MILE	51.00	794.20	-1316.	-0.14	9738.	924.	6.14	0.0200	86.	25.	-0.01
MILE	48.30	794.21	-2670.	-0.20	13237.	1632.	4.91	0.0200	86.	25.	-0.01
MILE	46.20	794.21	-4145.	-0.26	15729.	1827.	6.77	0.0200	76.	32.	-0.02
MILE	44.10	794.22	-5311.	-0.19	27870.	1518.	8.08	0.0300	45.	39.	-0.01
MILE	43.70	794.22	-5485.	-0.38	14413.	1373.	8.22	0.0300	38.	41.	-0.02
MILE	42.00	794.23	-6134.	-0.32	19009.	1341.	6.16	0.0300	83.	44.	-0.02
MILE	39.10	794.25	-7187.	-0.39	18287.	1364.	7.88	0.0230	90.	43.	-0.02
MILE	37.00	794.26	-7684.	-0.24	32233.	1129.	7.32	0.0280	56.	43.	-0.01
MILE	36.00	794.26	-7800.	-0.39	19916.	909.	8.36	0.0280	43.	45.	-0.01
MILE	34.60	794.26	-7909.	-0.26	30246.	1237.	9.66	0.0280	43.	46.	-0.01
MILE	33.60	794.26	-8125.	-0.13	62622.	2160.	8.16	0.0290	56.	51.	0.00
MILE	31.50	794.26	-8810.	-0.29	30696.	1773.	10.41	0.0250	63.	55.	-0.01
MILE	30.10	794.26	-8904.	-0.28	32344.	891.	9.96	0.0200	45.	53.	-0.01
MILE	29.00	794.26	-8956.	-0.25	36016.	1063.	10.82	0.0200	50.	55.	-0.01
MILE	27.30	794.26	-9135.	-0.24	37361.	1063.	11.21	0.0230	68.	57.	-0.01
MILE	25.20	794.26	-9451.	-0.20	46258.	1061.	12.04	0.0230	76.	60.	-0.01
MILE	23.10	794.26	-9534.	-0.25	38077.	1093.	11.47	0.0230	76.	64.	-0.01

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TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.64	2000.	2.66	752.	273.	2.22	0.0290	76.	4.	0.28
MILE	77.70	816.98	2094.	2.07	1012.	184.	2.49	0.0400	76.	6.	0.16
MILE	75.60	811.00	2176.	2.03	1073.	169.	2.57	0.0400	76.	5.	0.14
MILE	73.50	807.39	2252.	1.81	1241.	155.	2.89	0.0330	76.	8.	0.11
MILE	71.40	805.85	2373.	1.45	1641.	233.	2.61	0.0400	76.	8.	0.10

MILE	69.30	802.86	2554.	1.90	1347.	277.	2.34	0.0340	76.	4.	0.15
MILE	67.20	797.97	2763.	2.03	1359.	297.	2.37	0.0340	76.	7.	0.17
MILE	65.10	794.76	2907.	1.28	2268.	343.	3.26	0.0320	76.	8.	0.09
MILE	63.00	794.61	2793.	0.77	3640.	348.	4.72	0.0400	76.	14.	0.04
MILE	60.90	794.52	2559.	0.54	4780.	361.	5.84	0.0450	76.	18.	0.03
MILE	58.80	794.50	289.	0.05	5928.	360.	6.20	0.0400	-1930.	21.	0.00
MILE	57.00	794.49	127.	0.02	6578.	403.	6.12	0.0200	68.	20.	0.00
MILE	55.00	794.49	-49.	-0.01	6660.	466.	6.57	0.0200	70.	21.	0.00
MILE	53.10	794.48	-303.	-0.03	9212.	574.	6.08	0.0200	72.	21.	0.00
MILE	51.00	794.48	-811.	-0.08	9881.	933.	6.18	0.0200	86.	25.	0.00
MILE	48.30	794.46	-1793.	-0.13	13528.	1646.	4.90	0.0200	86.	26.	-0.01
MILE	46.20	794.44	-2713.	-0.17	15935.	1841.	6.81	0.0200	76.	33.	-0.01
MILE	44.10	794.43	-3717.	-0.13	28126.	1529.	8.11	0.0300	45.	39.	-0.01
MILE	43.70	794.43	-3865.	-0.27	14526.	1383.	8.20	0.0300	38.	41.	-0.01
MILE	42.00	794.41	-4375.	-0.23	19237.	1349.	6.16	0.0300	83.	44.	-0.01
MILE	39.10	794.38	-4795.	-0.26	18394.	1370.	7.89	0.0230	90.	43.	-0.01
MILE	37.00	794.36	-4858.	-0.15	32394.	1133.	7.34	0.0280	56.	43.	0.00
MILE	36.00	794.35	-4845.	-0.24	19989.	912.	8.37	0.0280	43.	45.	-0.01
MILE	34.60	794.33	-4804.	-0.16	30319.	1240.	9.67	0.0280	43.	46.	-0.01
MILE	33.60	794.33	-4821.	-0.08	62798.	2165.	8.17	0.0290	56.	51.	0.00
MILE	31.50	794.32	-4956.	-0.16	30742.	1776.	10.42	0.0250	63.	56.	-0.01
MILE	30.10	794.31	-4926.	-0.15	32388.	892.	9.96	0.0200	45.	54.	0.00
MILE	29.00	794.30	-4878.	-0.14	36051.	1065.	10.83	0.0200	50.	55.	0.00
MILE	27.30	794.28	-4780.	-0.13	37382.	1064.	11.22	0.0230	68.	57.	0.00
MILE	25.20	794.27	-4643.	-0.10	46263.	1062.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.25	-4495.	-0.12	38068.	1092.	11.47	0.0230	76.	64.	0.00

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TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.53	2000.	2.77	722.	271.	2.18	0.0290	76.	4.	0.30
MILE	77.70	817.01	2109.	2.07	1018.	185.	2.50	0.0400	76.	6.	0.16
MILE	75.60	811.05	2205.	2.03	1085.	170.	2.58	0.0400	76.	5.	0.14
MILE	73.50	807.40	2281.	1.83	1244.	155.	2.89	0.0330	76.	8.	0.11
MILE	71.40	805.81	2354.	1.45	1627.	232.	2.59	0.0400	76.	8.	0.10
MILE	69.30	802.75	2428.	1.87	1298.	274.	2.30	0.0340	76.	4.	0.15
MILE	67.20	797.78	2530.	1.99	1273.	288.	2.33	0.0340	76.	7.	0.17
MILE	65.10	794.92	2629.	1.13	2333.	349.	3.32	0.0320	76.	8.	0.08
MILE	63.00	794.78	2603.	0.70	3702.	351.	4.75	0.0400	76.	14.	0.04
MILE	60.90	794.68	2617.	0.54	4833.	363.	5.88	0.0450	76.	18.	0.03
MILE	58.80	794.63	685.	0.11	5979.	362.	6.21	0.0400	-1930.	22.	0.00
MILE	57.00	794.63	710.	0.11	6635.	405.	6.15	0.0200	68.	20.	0.00
MILE	55.00	794.61	717.	0.11	6708.	468.	6.59	0.0200	70.	21.	0.00
MILE	53.10	794.59	774.	0.08	9281.	576.	6.10	0.0200	72.	21.	0.00
MILE	51.00	794.57	952.	0.10	9928.	935.	6.19	0.0200	86.	25.	0.01
MILE	48.30	794.53	1379.	0.10	13615.	1650.	4.90	0.0200	86.	26.	0.01

MILE	46.20	794.51	1545.	0.10	15994.	1846.	6.82	0.0200	76.	33.	0.01
MILE	44.10	794.49	1787.	0.06	28193.	1532.	8.12	0.0300	45.	39.	0.00
MILE	43.70	794.48	1832.	0.13	14555.	1386.	8.20	0.0300	38.	41.	0.01
MILE	42.00	794.45	2036.	0.11	19288.	1351.	6.16	0.0300	83.	44.	0.00
MILE	39.10	794.41	2237.	0.12	18416.	1371.	7.89	0.0230	90.	43.	0.01
MILE	37.00	794.39	2177.	0.07	32441.	1134.	7.35	0.0280	56.	43.	0.00
MILE	36.00	794.38	2118.	0.11	20012.	913.	8.37	0.0280	43.	45.	0.00
MILE	34.60	794.36	2017.	0.07	30343.	1241.	9.68	0.0280	43.	46.	0.00
MILE	33.60	794.35	1993.	0.03	62860.	2167.	8.18	0.0290	56.	51.	0.00
MILE	31.50	794.34	2100.	0.07	30760.	1777.	10.42	0.0250	63.	56.	0.00
MILE	30.10	794.32	2076.	0.06	32404.	893.	9.97	0.0200	45.	54.	0.00
MILE	29.00	794.31	2073.	0.06	36063.	1065.	10.83	0.0200	50.	55.	0.00
MILE	27.30	794.29	2092.	0.06	37390.	1064.	11.22	0.0230	68.	57.	0.00
MILE	25.20	794.27	2159.	0.05	46267.	1062.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.26	2114.	0.06	38077.	1093.	11.47	0.0230	76.	64.	0.00

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TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.47	2000.	2.83	707.	270.	2.16	0.0290	76.	4.	0.31
MILE	77.70	816.98	2092.	2.07	1013.	184.	2.49	0.0400	76.	6.	0.16
MILE	75.60	811.03	2179.	2.02	1079.	169.	2.57	0.0400	76.	5.	0.14
MILE	73.50	807.38	2258.	1.82	1240.	155.	2.89	0.0330	76.	8.	0.11
MILE	71.40	805.78	2321.	1.44	1615.	232.	2.58	0.0400	76.	8.	0.10
MILE	69.30	802.69	2368.	1.86	1274.	272.	2.27	0.0340	76.	4.	0.15
MILE	67.20	797.69	2436.	1.98	1232.	283.	2.30	0.0340	76.	7.	0.17
MILE	65.10	794.92	2566.	1.10	2333.	349.	3.32	0.0320	76.	8.	0.08
MILE	63.00	794.74	2830.	0.77	3686.	350.	4.74	0.0400	76.	14.	0.04
MILE	60.90	794.58	3178.	0.66	4800.	362.	5.85	0.0450	76.	18.	0.03
MILE	58.80	794.50	1525.	0.26	5928.	360.	6.20	0.0400	-1930.	21.	0.01
MILE	57.00	794.49	1814.	0.28	6575.	403.	6.12	0.0200	68.	20.	0.01
MILE	55.00	794.47	2166.	0.33	6653.	466.	6.57	0.0200	70.	21.	0.02
MILE	53.10	794.46	2524.	0.27	9197.	573.	6.08	0.0200	72.	21.	0.01
MILE	51.00	794.45	3003.	0.30	9865.	932.	6.17	0.0200	86.	25.	0.02
MILE	48.30	794.43	3784.	0.28	13495.	1644.	4.90	0.0200	86.	26.	0.02
MILE	46.20	794.42	4657.	0.29	15911.	1840.	6.80	0.0200	76.	33.	0.02
MILE	44.10	794.41	5453.	0.19	28097.	1527.	8.11	0.0300	45.	39.	0.01
MILE	43.70	794.40	5572.	0.38	14513.	1382.	8.20	0.0300	38.	41.	0.02
MILE	42.00	794.39	6008.	0.31	19206.	1348.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.35	6778.	0.37	18371.	1369.	7.89	0.0230	90.	43.	0.02
MILE	37.00	794.33	7568.	0.23	32352.	1132.	7.34	0.0280	56.	43.	0.01
MILE	36.00	794.32	7808.	0.39	19967.	911.	8.37	0.0280	43.	45.	0.01
MILE	34.60	794.31	8056.	0.27	30295.	1239.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.31	8337.	0.13	62740.	2164.	8.17	0.0290	56.	51.	0.00
MILE	31.50	794.29	9088.	0.30	30723.	1774.	10.41	0.0250	63.	55.	0.01
MILE	30.10	794.29	9252.	0.29	32368.	892.	9.96	0.0200	45.	53.	0.01

MILE	29.00	794.28	9366.	0.26	36035.	1064.	10.82	0.0200	50.	55.	0.01
MILE	27.30	794.27	9612.	0.26	37368.	1064.	11.21	0.0230	68.	57.	0.01
MILE	25.20	794.26	9923.	0.21	46250.	1061.	12.04	0.0230	76.	60.	0.01
MILE	23.10	794.24	10066.	0.26	38058.	1092.	11.46	0.0230	76.	64.	0.01

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TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.48	2000.	2.81	711.	270.	2.17	0.0290	76.	4.	0.31
MILE	77.70	816.95	2068.	2.06	1005.	183.	2.49	0.0400	76.	6.	0.15
MILE	75.60	810.98	2136.	2.00	1066.	168.	2.56	0.0400	76.	4.	0.14
MILE	73.50	807.33	2207.	1.80	1226.	153.	2.87	0.0330	76.	8.	0.11
MILE	71.40	805.73	2272.	1.42	1595.	231.	2.56	0.0400	76.	8.	0.10
MILE	69.30	802.66	2337.	1.86	1259.	271.	2.26	0.0340	76.	4.	0.15
MILE	67.20	797.65	2426.	2.00	1216.	282.	2.30	0.0340	76.	7.	0.17
MILE	65.10	794.70	2621.	1.17	2246.	341.	3.25	0.0320	76.	8.	0.08
MILE	63.00	794.51	2959.	0.82	3605.	347.	4.70	0.0400	76.	14.	0.04
MILE	60.90	794.34	3283.	0.70	4719.	359.	5.79	0.0450	76.	18.	0.03
MILE	58.80	794.26	1604.	0.27	5839.	357.	6.17	0.0400	-1930.	21.	0.01
MILE	57.00	794.26	1884.	0.29	6478.	400.	6.07	0.0200	68.	19.	0.01
MILE	55.00	794.26	2232.	0.34	6573.	462.	6.54	0.0200	70.	21.	0.02
MILE	53.10	794.26	2607.	0.29	9075.	570.	6.04	0.0200	72.	21.	0.01
MILE	51.00	794.25	3186.	0.33	9767.	926.	6.15	0.0200	86.	25.	0.02
MILE	48.30	794.25	4444.	0.33	13281.	1634.	4.91	0.0200	86.	25.	0.02
MILE	46.20	794.24	5746.	0.36	15753.	1829.	6.77	0.0200	76.	32.	0.02
MILE	44.10	794.24	6763.	0.24	27895.	1519.	8.08	0.0300	45.	39.	0.01
MILE	43.70	794.24	6920.	0.48	14423.	1374.	8.22	0.0300	38.	41.	0.03
MILE	42.00	794.23	7510.	0.40	19007.	1340.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.22	8261.	0.45	18260.	1363.	7.88	0.0230	90.	43.	0.02
MILE	37.00	794.23	8333.	0.26	32190.	1128.	7.32	0.0280	56.	43.	0.01
MILE	36.00	794.23	8351.	0.42	19896.	908.	8.36	0.0280	43.	45.	0.02
MILE	34.60	794.24	8360.	0.28	30224.	1236.	9.66	0.0280	43.	46.	0.01
MILE	33.60	794.24	8359.	0.13	62569.	2159.	8.15	0.0290	56.	51.	0.00
MILE	31.50	794.25	8368.	0.27	30684.	1772.	10.41	0.0250	63.	55.	0.01
MILE	30.10	794.26	8376.	0.26	32337.	891.	9.95	0.0200	45.	53.	0.01
MILE	29.00	794.26	8359.	0.23	36015.	1063.	10.82	0.0200	50.	55.	0.01
MILE	27.30	794.27	8282.	0.22	37371.	1064.	11.21	0.0230	68.	57.	0.01
MILE	25.20	794.29	8214.	0.18	46284.	1062.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.30	8097.	0.21	38115.	1094.	11.47	0.0230	76.	64.	0.01

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TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.57	2012.	2.74	733.	272.	2.20	0.0290	76.	4.	0.29
MILE	77.70	816.94	2061.	2.06	1002.	183.	2.48	0.0400	76.	6.	0.15
MILE	75.60	810.94	2110.	2.00	1057.	167.	2.54	0.0400	76.	4.	0.14
MILE	73.50	807.27	2172.	1.79	1212.	152.	2.85	0.0330	76.	8.	0.11
MILE	71.40	805.69	2242.	1.42	1579.	230.	2.54	0.0400	76.	8.	0.10
MILE	69.30	802.65	2332.	1.86	1255.	270.	2.26	0.0340	76.	4.	0.15
MILE	67.20	797.63	2436.	2.01	1209.	281.	2.29	0.0340	76.	7.	0.17
MILE	65.10	794.48	2607.	1.20	2164.	333.	3.18	0.0320	76.	7.	0.08
MILE	63.00	794.29	2907.	0.82	3530.	344.	4.66	0.0400	76.	13.	0.05
MILE	60.90	794.12	3245.	0.70	4645.	357.	5.74	0.0450	76.	18.	0.03
MILE	58.80	794.04	1580.	0.27	5758.	354.	6.14	0.0400	-1930.	21.	0.01
MILE	57.00	794.05	1829.	0.29	6385.	397.	6.03	0.0200	68.	19.	0.01
MILE	55.00	794.05	2090.	0.32	6495.	459.	6.51	0.0200	70.	21.	0.02
MILE	53.10	794.06	2330.	0.26	8956.	566.	6.01	0.0200	72.	21.	0.01
MILE	51.00	794.08	2624.	0.27	9676.	920.	6.12	0.0200	86.	25.	0.01
MILE	48.30	794.11	2940.	0.22	13122.	1626.	4.91	0.0200	86.	25.	0.01
MILE	46.20	794.13	2997.	0.19	15657.	1822.	6.75	0.0200	76.	32.	0.01
MILE	44.10	794.15	3229.	0.12	27790.	1514.	8.07	0.0300	45.	39.	0.00
MILE	43.70	794.15	3265.	0.23	14380.	1370.	8.22	0.0300	38.	41.	0.01
MILE	42.00	794.18	3370.	0.18	18947.	1338.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.21	3473.	0.19	18256.	1363.	7.88	0.0230	90.	43.	0.01
MILE	37.00	794.23	3760.	0.12	32186.	1128.	7.32	0.0280	56.	43.	0.00
MILE	36.00	794.23	3914.	0.20	19897.	908.	8.36	0.0280	43.	45.	0.01
MILE	34.60	794.24	4134.	0.14	30229.	1236.	9.66	0.0280	43.	46.	0.00
MILE	33.60	794.25	4257.	0.07	62584.	2159.	8.16	0.0290	56.	51.	0.00
MILE	31.50	794.26	4389.	0.14	30690.	1772.	10.41	0.0250	63.	55.	0.01
MILE	30.10	794.26	4566.	0.14	32345.	891.	9.96	0.0200	45.	53.	0.00
MILE	29.00	794.27	4678.	0.13	36022.	1064.	10.82	0.0200	50.	55.	0.00
MILE	27.30	794.28	4806.	0.13	37376.	1064.	11.21	0.0230	68.	57.	0.00
MILE	25.20	794.29	4820.	0.10	46285.	1062.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.29	4985.	0.13	38106.	1094.	11.47	0.0230	76.	64.	0.00

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TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.38	5180.	3.39	1528.	326.	3.06	0.0290	76.	7.	0.28
MILE	77.70	819.39	4734.	2.77	1711.	258.	3.09	0.0400	76.	9.	0.19
MILE	75.60	811.92	3335.	2.53	1318.	192.	2.91	0.0400	76.	5.	0.17
MILE	73.50	807.46	2527.	2.01	1260.	156.	2.91	0.0330	76.	8.	0.12
MILE	71.40	805.72	2323.	1.46	1591.	231.	2.56	0.0400	76.	8.	0.10
MILE	69.30	802.66	2349.	1.87	1259.	271.	2.26	0.0340	76.	4.	0.15
MILE	67.20	797.62	2441.	2.03	1204.	280.	2.29	0.0340	76.	7.	0.17
MILE	65.10	794.31	2586.	1.23	2098.	327.	3.12	0.0320	76.	7.	0.09

MILE	63.00	794.15	2713.	0.78	3485.	342.	4.63	0.0400	76.	13.	0.04
MILE	60.90	794.06	2700.	0.58	4625.	356.	5.73	0.0450	76.	18.	0.03
MILE	58.80	794.05	566.	0.10	5760.	354.	6.14	0.0400	-1930.	21.	0.00
MILE	57.00	794.07	479.	0.07	6395.	397.	6.03	0.0200	68.	19.	0.00
MILE	55.00	794.09	402.	0.06	6509.	460.	6.52	0.0200	70.	21.	0.00
MILE	53.10	794.11	335.	0.04	8984.	567.	6.01	0.0200	72.	21.	0.00
MILE	51.00	794.12	223.	0.02	9700.	922.	6.13	0.0200	86.	25.	0.00
MILE	48.30	794.14	89.	0.01	13158.	1628.	4.91	0.0200	86.	25.	0.00
MILE	46.20	794.15	150.	0.01	15673.	1823.	6.76	0.0200	76.	32.	0.00
MILE	44.10	794.16	-12.	0.00	27797.	1514.	8.07	0.0300	45.	39.	0.00
MILE	43.70	794.16	-24.	0.00	14382.	1370.	8.22	0.0300	38.	41.	0.00
MILE	42.00	794.17	25.	0.00	18931.	1338.	6.16	0.0300	83.	44.	0.00
MILE	39.10	794.17	558.	0.03	18217.	1360.	7.87	0.0230	90.	43.	0.00
MILE	37.00	794.17	880.	0.03	32085.	1126.	7.30	0.0280	56.	43.	0.00
MILE	36.00	794.17	1051.	0.05	19843.	906.	8.36	0.0280	43.	45.	0.00
MILE	34.60	794.17	1336.	0.04	30155.	1233.	9.65	0.0280	43.	46.	0.00
MILE	33.60	794.17	1584.	0.03	62376.	2154.	8.14	0.0290	56.	51.	0.00
MILE	31.50	794.17	2116.	0.07	30613.	1767.	10.40	0.0250	63.	55.	0.00
MILE	30.10	794.18	2490.	0.08	32252.	888.	9.94	0.0200	45.	53.	0.00
MILE	29.00	794.18	2726.	0.08	35932.	1060.	10.81	0.0200	50.	54.	0.00
MILE	27.30	794.18	3110.	0.08	37283.	1061.	11.20	0.0230	68.	57.	0.00
MILE	25.20	794.19	3534.	0.08	46174.	1059.	12.03	0.0230	76.	60.	0.00
MILE	23.10	794.19	3883.	0.10	38011.	1090.	11.46	0.0230	76.	64.	0.00

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TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.09	5431.	3.76	1443.	322.	2.95	0.0290	76.	6.	0.31
MILE	77.70	820.29	5513.	2.75	2008.	285.	3.33	0.0400	76.	10.	0.18
MILE	75.60	813.74	5208.	2.87	1812.	238.	3.53	0.0400	76.	7.	0.18
MILE	73.50	808.82	4321.	2.68	1611.	184.	3.33	0.0330	76.	10.	0.16
MILE	71.40	806.49	3449.	1.82	1895.	245.	2.85	0.0400	76.	9.	0.12
MILE	69.30	802.89	2747.	2.02	1358.	278.	2.35	0.0340	76.	4.	0.16
MILE	67.20	797.68	2532.	2.06	1229.	283.	2.30	0.0340	76.	7.	0.17
MILE	65.10	794.44	2489.	1.16	2148.	332.	3.16	0.0320	76.	7.	0.08
MILE	63.00	794.32	2332.	0.66	3542.	344.	4.66	0.0400	76.	13.	0.04
MILE	60.90	794.25	2212.	0.47	4687.	358.	5.77	0.0450	76.	18.	0.02
MILE	58.80	794.22	150.	0.03	5823.	356.	6.16	0.0400	-1930.	21.	0.00
MILE	57.00	794.21	87.	0.01	6458.	399.	6.06	0.0200	68.	19.	0.00
MILE	55.00	794.21	0.	0.00	6553.	462.	6.53	0.0200	70.	21.	0.00
MILE	53.10	794.19	-44.	0.00	9036.	568.	6.03	0.0200	72.	21.	0.00
MILE	51.00	794.18	1.	0.00	9726.	923.	6.14	0.0200	86.	25.	0.00
MILE	48.30	794.15	305.	0.02	13174.	1629.	4.91	0.0200	86.	25.	0.00
MILE	46.20	794.15	218.	0.01	15672.	1823.	6.76	0.0200	76.	32.	0.00
MILE	44.10	794.14	464.	0.02	27776.	1514.	8.06	0.0300	45.	39.	0.00
MILE	43.70	794.14	505.	0.04	14371.	1369.	8.22	0.0300	38.	41.	0.00

MILE	42.00	794.13	663.	0.04	18888.	1336.	6.16	0.0300	83.	44.	0.00
MILE	39.10	794.13	754.	0.04	18183.	1358.	7.87	0.0230	90.	43.	0.00
MILE	37.00	794.13	913.	0.03	32020.	1124.	7.29	0.0280	56.	43.	0.00
MILE	36.00	794.12	953.	0.05	19809.	905.	8.35	0.0280	43.	45.	0.00
MILE	34.60	794.12	998.	0.03	30108.	1231.	9.65	0.0280	43.	46.	0.00
MILE	33.60	794.12	1108.	0.02	62242.	2150.	8.13	0.0290	56.	51.	0.00
MILE	31.50	794.12	1503.	0.05	30563.	1764.	10.39	0.0250	63.	55.	0.00
MILE	30.10	794.12	1629.	0.05	32192.	887.	9.93	0.0200	45.	53.	0.00
MILE	29.00	794.12	1728.	0.05	35871.	1058.	10.80	0.0200	50.	54.	0.00
MILE	27.30	794.11	1940.	0.05	37214.	1058.	11.19	0.0230	68.	57.	0.00
MILE	25.20	794.11	2209.	0.05	46088.	1056.	12.01	0.0230	76.	60.	0.00
MILE	23.10	794.11	2485.	0.07	37935.	1087.	11.44	0.0230	76.	64.	0.00

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TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.04	5433.	3.80	1429.	322.	2.94	0.0290	76.	6.	0.32
MILE	77.70	820.36	5482.	2.70	2030.	287.	3.35	0.0400	76.	10.	0.18
MILE	75.60	814.21	5496.	2.83	1943.	250.	3.68	0.0400	76.	8.	0.18
MILE	73.50	809.85	5314.	2.81	1888.	205.	3.63	0.0330	76.	11.	0.16
MILE	71.40	807.64	4896.	2.08	2359.	267.	3.26	0.0400	76.	10.	0.12
MILE	69.30	803.74	4122.	2.38	1735.	306.	2.64	0.0340	76.	5.	0.18
MILE	67.20	798.19	3294.	2.25	1461.	307.	2.41	0.0340	76.	7.	0.18
MILE	65.10	794.64	2871.	1.29	2222.	339.	3.23	0.0320	76.	8.	0.09
MILE	63.00	794.43	2821.	0.79	3578.	346.	4.68	0.0400	76.	13.	0.04
MILE	60.90	794.28	2956.	0.63	4697.	358.	5.78	0.0450	76.	18.	0.03
MILE	58.80	794.21	1098.	0.19	5820.	356.	6.16	0.0400	-1930.	21.	0.01
MILE	57.00	794.20	1206.	0.19	6452.	399.	6.06	0.0200	68.	19.	0.01
MILE	55.00	794.19	1335.	0.20	6547.	461.	6.53	0.0200	70.	21.	0.01
MILE	53.10	794.18	1458.	0.16	9027.	568.	6.03	0.0200	72.	21.	0.01
MILE	51.00	794.17	1553.	0.16	9723.	923.	6.14	0.0200	86.	25.	0.01
MILE	48.30	794.16	1491.	0.11	13184.	1630.	4.91	0.0200	86.	25.	0.01
MILE	46.20	794.15	1777.	0.11	15671.	1823.	6.76	0.0200	76.	32.	0.01
MILE	44.10	794.14	1815.	0.07	27775.	1514.	8.06	0.0300	45.	39.	0.00
MILE	43.70	794.14	1819.	0.13	14371.	1369.	8.22	0.0300	38.	41.	0.01
MILE	42.00	794.13	1817.	0.10	18889.	1336.	6.16	0.0300	83.	44.	0.00
MILE	39.10	794.12	1816.	0.10	18182.	1358.	7.87	0.0230	90.	43.	0.00
MILE	37.00	794.12	1840.	0.06	32008.	1124.	7.29	0.0280	56.	43.	0.00
MILE	36.00	794.12	1808.	0.09	19803.	905.	8.35	0.0280	43.	45.	0.00
MILE	34.60	794.12	1720.	0.06	30104.	1231.	9.64	0.0280	43.	46.	0.00
MILE	33.60	794.12	1687.	0.03	62236.	2150.	8.13	0.0290	56.	51.	0.00
MILE	31.50	794.11	1743.	0.06	30561.	1764.	10.39	0.0250	63.	55.	0.00
MILE	30.10	794.12	1686.	0.05	32189.	887.	9.93	0.0200	45.	53.	0.00
MILE	29.00	794.12	1664.	0.05	35870.	1058.	10.80	0.0200	50.	54.	0.00
MILE	27.30	794.12	1679.	0.05	37217.	1058.	11.19	0.0230	68.	57.	0.00
MILE	25.20	794.11	1829.	0.04	46093.	1056.	12.01	0.0230	76.	60.	0.00

MILE	23.10	794.11	1892.	0.05	37935.	1087.	11.44	0.0230	76.	64.	0.00

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TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.05	5433.	3.80	1431.	322.	2.94	0.0290	76.	6.	0.32
MILE	77.70	820.38	5507.	2.70	2039.	288.	3.36	0.0400	76.	10.	0.18
MILE	75.60	814.34	5557.	2.81	1980.	253.	3.72	0.0400	76.	8.	0.18
MILE	73.50	810.20	5532.	2.79	1985.	212.	3.72	0.0330	76.	11.	0.16
MILE	71.40	808.12	5422.	2.13	2551.	276.	3.42	0.0400	76.	10.	0.12
MILE	69.30	804.45	5211.	2.52	2066.	329.	2.87	0.0340	76.	6.	0.18
MILE	67.20	799.13	4773.	2.45	1945.	352.	2.61	0.0340	76.	8.	0.18
MILE	65.10	794.86	3984.	1.73	2307.	347.	3.30	0.0320	76.	8.	0.12
MILE	63.00	794.51	3699.	1.03	3607.	347.	4.70	0.0400	76.	14.	0.06
MILE	60.90	794.28	3613.	0.77	4698.	359.	5.78	0.0450	76.	18.	0.04
MILE	58.80	794.17	1680.	0.29	5806.	356.	6.16	0.0400	-1930.	21.	0.01
MILE	57.00	794.16	1773.	0.28	6434.	398.	6.05	0.0200	68.	19.	0.01
MILE	55.00	794.15	1872.	0.29	6531.	461.	6.52	0.0200	70.	21.	0.01
MILE	53.10	794.14	1931.	0.21	9005.	567.	6.02	0.0200	72.	21.	0.01
MILE	51.00	794.14	1962.	0.20	9710.	922.	6.13	0.0200	86.	25.	0.01
MILE	48.30	794.15	2064.	0.16	13167.	1629.	4.91	0.0200	86.	25.	0.01
MILE	46.20	794.15	2138.	0.14	15671.	1823.	6.76	0.0200	76.	32.	0.01
MILE	44.10	794.14	2323.	0.08	27783.	1514.	8.07	0.0300	45.	39.	0.00
MILE	43.70	794.14	2360.	0.16	14374.	1370.	8.22	0.0300	38.	41.	0.01
MILE	42.00	794.14	2541.	0.13	18898.	1336.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.12	3038.	0.17	18179.	1358.	7.87	0.0230	90.	43.	0.01
MILE	37.00	794.11	3579.	0.11	31989.	1124.	7.29	0.0280	56.	43.	0.00
MILE	36.00	794.10	3788.	0.19	19788.	904.	8.35	0.0280	43.	45.	0.01
MILE	34.60	794.09	4072.	0.14	30073.	1230.	9.64	0.0280	43.	46.	0.00
MILE	33.60	794.08	4358.	0.07	62142.	2147.	8.12	0.0290	56.	51.	0.00
MILE	31.50	794.07	5030.	0.16	30525.	1761.	10.38	0.0250	63.	55.	0.01
MILE	30.10	794.06	5281.	0.16	32136.	885.	9.92	0.0200	45.	53.	0.00
MILE	29.00	794.06	5480.	0.15	35812.	1056.	10.79	0.0200	50.	54.	0.00
MILE	27.30	794.05	5902.	0.16	37151.	1056.	11.18	0.0230	68.	57.	0.00
MILE	25.20	794.03	6419.	0.14	46009.	1053.	12.00	0.0230	76.	60.	0.00
MILE	23.10	794.02	6831.	0.18	37849.	1084.	11.43	0.0230	76.	64.	0.01

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TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.15	2229.	3.54	630.	264.	2.05	0.0290	76.	3.	0.40

MILE	77.70	818.58	3017.	2.07	1458.	233.	2.90	0.0400	76.	8.	0.15
MILE	75.60	813.66	4257.	2.38	1792.	236.	3.51	0.0400	76.	7.	0.15
MILE	73.50	810.11	5095.	2.60	1959.	210.	3.70	0.0330	76.	11.	0.15
MILE	71.40	808.25	5489.	2.11	2607.	279.	3.47	0.0400	76.	10.	0.12
MILE	69.30	804.75	5628.	2.55	2211.	339.	2.96	0.0340	76.	6.	0.18
MILE	67.20	799.65	5493.	2.45	2238.	376.	2.72	0.0340	76.	9.	0.18
MILE	65.10	795.23	5004.	2.04	2454.	363.	3.42	0.0320	76.	8.	0.14
MILE	63.00	794.74	4662.	1.27	3685.	350.	4.74	0.0400	76.	14.	0.07
MILE	60.90	794.38	4509.	0.95	4733.	360.	5.80	0.0450	76.	18.	0.05
MILE	58.80	794.23	2484.	0.43	5826.	357.	6.16	0.0400	-1930.	21.	0.02
MILE	57.00	794.20	2490.	0.39	6454.	399.	6.06	0.0200	68.	19.	0.02
MILE	55.00	794.18	2528.	0.39	6543.	461.	6.53	0.0200	70.	21.	0.02
MILE	53.10	794.15	2645.	0.29	9012.	568.	6.02	0.0200	72.	21.	0.01
MILE	51.00	794.13	2921.	0.30	9701.	922.	6.13	0.0200	86.	25.	0.02
MILE	48.30	794.09	3646.	0.28	13102.	1625.	4.91	0.0200	86.	25.	0.02
MILE	46.20	794.07	4250.	0.27	15602.	1818.	6.74	0.0200	76.	32.	0.02
MILE	44.10	794.05	4915.	0.18	27671.	1509.	8.05	0.0300	45.	39.	0.01
MILE	43.70	794.05	5028.	0.35	14323.	1365.	8.23	0.0300	38.	41.	0.02
MILE	42.00	794.03	5528.	0.29	18758.	1331.	6.16	0.0300	83.	44.	0.01
MILE	39.10	793.99	6246.	0.35	18076.	1352.	7.86	0.0230	90.	43.	0.02
MILE	37.00	793.99	6424.	0.20	31805.	1119.	7.26	0.0280	56.	43.	0.01
MILE	36.00	793.99	6529.	0.33	19698.	901.	8.34	0.0280	43.	45.	0.01
MILE	34.60	793.98	6738.	0.22	29966.	1225.	9.63	0.0280	43.	45.	0.01
MILE	33.60	793.98	6962.	0.11	61860.	2140.	8.10	0.0290	56.	51.	0.00
MILE	31.50	793.98	7537.	0.25	30435.	1755.	10.37	0.0250	63.	55.	0.01
MILE	30.10	793.97	7889.	0.25	32037.	882.	9.90	0.0200	45.	53.	0.01
MILE	29.00	793.97	8049.	0.23	35720.	1053.	10.77	0.0200	50.	54.	0.01
MILE	27.30	793.96	8195.	0.22	37069.	1053.	11.17	0.0230	68.	57.	0.01
MILE	25.20	793.97	8319.	0.18	45937.	1051.	11.99	0.0230	76.	59.	0.00
MILE	23.10	793.97	8513.	0.23	37802.	1082.	11.42	0.0230	76.	64.	0.01

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TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.06	2000.	3.29	607.	262.	2.01	0.0290	76.	3.	0.38
MILE	77.70	817.29	2202.	2.01	1094.	194.	2.58	0.0400	76.	7.	0.15
MILE	75.60	812.25	2821.	2.01	1407.	200.	3.03	0.0400	76.	6.	0.13
MILE	73.50	809.22	3705.	2.16	1718.	192.	3.45	0.0330	76.	10.	0.13
MILE	71.40	807.74	4453.	1.86	2398.	269.	3.29	0.0400	76.	10.	0.11
MILE	69.30	804.55	5074.	2.40	2117.	332.	2.90	0.0340	76.	6.	0.17
MILE	67.20	799.73	5439.	2.38	2283.	380.	2.74	0.0340	76.	9.	0.17
MILE	65.10	795.50	5439.	2.13	2558.	375.	3.50	0.0320	76.	8.	0.14
MILE	63.00	794.89	5403.	1.45	3739.	352.	4.77	0.0400	76.	14.	0.08
MILE	60.90	794.37	5561.	1.18	4729.	360.	5.80	0.0450	76.	18.	0.06
MILE	58.80	794.10	3848.	0.67	5780.	355.	6.15	0.0400	-1930.	21.	0.03
MILE	57.00	794.08	4103.	0.64	6399.	397.	6.03	0.0200	68.	19.	0.03

MILE	55.00	794.05	4404.	0.68	6493.	459.	6.51	0.0200	70.	21.	0.03
MILE	53.10	794.02	4702.	0.53	8933.	565.	6.00	0.0200	72.	21.	0.02
MILE	51.00	794.00	5060.	0.53	9639.	918.	6.11	0.0200	86.	25.	0.03
MILE	48.30	793.99	5462.	0.42	12988.	1620.	4.91	0.0200	86.	25.	0.03
MILE	46.20	793.97	6000.	0.39	15517.	1812.	6.73	0.0200	76.	32.	0.02
MILE	44.10	793.97	6426.	0.23	27574.	1505.	8.04	0.0300	45.	39.	0.01
MILE	43.70	793.97	6486.	0.45	14281.	1361.	8.23	0.0300	38.	41.	0.02
MILE	42.00	793.96	6680.	0.36	18676.	1328.	6.16	0.0300	83.	44.	0.02
MILE	39.10	793.94	7100.	0.39	18028.	1350.	7.85	0.0230	90.	43.	0.02
MILE	37.00	793.92	7711.	0.24	31693.	1117.	7.25	0.0280	56.	43.	0.01
MILE	36.00	793.92	7979.	0.41	19641.	898.	8.33	0.0280	43.	45.	0.02
MILE	34.60	793.91	8345.	0.28	29897.	1222.	9.62	0.0280	43.	45.	0.01
MILE	33.60	793.91	8613.	0.14	61677.	2135.	8.09	0.0290	56.	51.	0.00
MILE	31.50	793.90	9076.	0.30	30371.	1751.	10.36	0.0250	63.	55.	0.01
MILE	30.10	793.90	9356.	0.29	31961.	880.	9.89	0.0200	45.	53.	0.01
MILE	29.00	793.89	9547.	0.27	35649.	1050.	10.76	0.0200	50.	54.	0.01
MILE	27.30	793.89	9874.	0.27	36999.	1050.	11.16	0.0230	68.	57.	0.01
MILE	25.20	793.89	10218.	0.22	45846.	1048.	11.98	0.0230	76.	59.	0.01
MILE	23.10	793.87	10707.	0.28	37707.	1078.	11.41	0.0230	76.	64.	0.01

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TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.29	2000.	3.01	664.	266.	2.10	0.0290	76.	4.	0.34
MILE	77.70	816.96	2057.	2.04	1006.	184.	2.49	0.0400	76.	6.	0.15
MILE	75.60	811.29	2200.	1.91	1149.	176.	2.68	0.0400	76.	5.	0.13
MILE	73.50	808.29	2750.	1.87	1473.	173.	3.17	0.0330	76.	9.	0.11
MILE	71.40	806.95	3346.	1.61	2078.	254.	3.02	0.0400	76.	9.	0.10
MILE	69.30	803.95	3997.	2.18	1833.	313.	2.71	0.0340	76.	5.	0.16
MILE	67.20	799.35	4634.	2.24	2067.	362.	2.66	0.0340	76.	9.	0.17
MILE	65.10	795.38	5164.	2.05	2514.	370.	3.47	0.0320	76.	8.	0.14
MILE	63.00	794.78	5534.	1.50	3699.	351.	4.75	0.0400	76.	14.	0.08
MILE	60.90	794.22	5798.	1.24	4678.	358.	5.77	0.0450	76.	18.	0.06
MILE	58.80	793.95	4004.	0.70	5722.	353.	6.13	0.0400	-1930.	21.	0.03
MILE	57.00	793.93	4181.	0.66	6337.	395.	6.00	0.0200	68.	19.	0.03
MILE	55.00	793.92	4389.	0.68	6445.	457.	6.49	0.0200	70.	20.	0.03
MILE	53.10	793.91	4586.	0.52	8866.	563.	5.98	0.0200	72.	21.	0.02
MILE	51.00	793.91	4875.	0.51	9588.	915.	6.10	0.0200	86.	25.	0.03
MILE	48.30	793.89	5682.	0.44	12877.	1614.	4.91	0.0200	86.	25.	0.03
MILE	46.20	793.88	6496.	0.42	15432.	1806.	6.71	0.0200	76.	32.	0.03
MILE	44.10	793.87	7176.	0.26	27456.	1500.	8.02	0.0300	45.	39.	0.01
MILE	43.70	793.87	7290.	0.51	14229.	1357.	8.24	0.0300	38.	41.	0.03
MILE	42.00	793.85	7776.	0.42	18549.	1323.	6.16	0.0300	83.	44.	0.02
MILE	39.10	793.83	8438.	0.47	17942.	1345.	7.84	0.0230	90.	43.	0.02
MILE	37.00	793.84	8363.	0.26	31563.	1114.	7.23	0.0280	56.	43.	0.01
MILE	36.00	793.84	8365.	0.43	19581.	896.	8.33	0.0280	43.	45.	0.02

MILE	34.60	793.84	8421.	0.28	29830.	1220.	9.61	0.0280	43.	45.	0.01
MILE	33.60	793.84	8479.	0.14	61502.	2130.	8.08	0.0290	56.	51.	0.00
MILE	31.50	793.85	8618.	0.28	30319.	1748.	10.35	0.0250	63.	55.	0.01
MILE	30.10	793.85	8721.	0.27	31911.	878.	9.88	0.0200	45.	53.	0.01
MILE	29.00	793.85	8763.	0.25	35605.	1049.	10.75	0.0200	50.	54.	0.01
MILE	27.30	793.85	8788.	0.24	36959.	1049.	11.15	0.0230	68.	57.	0.01
MILE	25.20	793.86	8862.	0.19	45817.	1047.	11.98	0.0230	76.	59.	0.01
MILE	23.10	793.87	8920.	0.24	37707.	1078.	11.41	0.0230	76.	64.	0.01

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TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.49	2000.	2.81	713.	270.	2.17	0.0290	76.	4.	0.30
MILE	77.70	816.89	2022.	2.04	989.	182.	2.47	0.0400	76.	6.	0.15
MILE	75.60	810.96	2077.	1.96	1062.	167.	2.55	0.0400	76.	4.	0.14
MILE	73.50	807.68	2314.	1.76	1316.	161.	2.98	0.0330	76.	8.	0.11
MILE	71.40	806.29	2662.	1.47	1815.	241.	2.78	0.0400	76.	8.	0.09
MILE	69.30	803.37	3157.	2.01	1567.	294.	2.52	0.0340	76.	5.	0.15
MILE	67.20	798.76	3719.	2.13	1748.	334.	2.54	0.0340	76.	8.	0.16
MILE	65.10	795.02	4411.	1.86	2370.	353.	3.35	0.0320	76.	8.	0.13
MILE	63.00	794.51	4957.	1.37	3608.	347.	4.70	0.0400	76.	14.	0.08
MILE	60.90	794.04	5368.	1.16	4618.	356.	5.72	0.0450	76.	18.	0.06
MILE	58.80	793.80	3717.	0.66	5667.	351.	6.11	0.0400	-1930.	21.	0.03
MILE	57.00	793.79	3961.	0.63	6276.	393.	5.97	0.0200	68.	19.	0.03
MILE	55.00	793.78	4217.	0.66	6394.	455.	6.47	0.0200	70.	20.	0.03
MILE	53.10	793.78	4472.	0.51	8784.	560.	5.95	0.0200	72.	20.	0.02
MILE	51.00	793.78	4801.	0.50	9523.	911.	6.08	0.0200	86.	24.	0.03
MILE	48.30	793.79	5119.	0.40	12766.	1609.	4.92	0.0200	86.	25.	0.03
MILE	46.20	793.80	5262.	0.34	15361.	1801.	6.70	0.0200	76.	32.	0.02
MILE	44.10	793.80	5590.	0.20	27375.	1496.	8.01	0.0300	45.	39.	0.01
MILE	43.70	793.80	5636.	0.40	14196.	1354.	8.25	0.0300	38.	41.	0.02
MILE	42.00	793.81	5732.	0.31	18499.	1321.	6.16	0.0300	83.	44.	0.01
MILE	39.10	793.83	5543.	0.31	17945.	1345.	7.84	0.0230	90.	43.	0.01
MILE	37.00	793.85	5637.	0.18	31569.	1114.	7.23	0.0280	56.	43.	0.01
MILE	36.00	793.85	5653.	0.29	19589.	896.	8.33	0.0280	43.	45.	0.01
MILE	34.60	793.86	5626.	0.19	29848.	1220.	9.61	0.0280	43.	45.	0.01
MILE	33.60	793.87	5583.	0.09	61558.	2131.	8.08	0.0290	56.	51.	0.00
MILE	31.50	793.87	5465.	0.18	30341.	1749.	10.35	0.0250	63.	55.	0.01
MILE	30.10	793.88	5337.	0.17	31942.	879.	9.89	0.0200	45.	53.	0.00
MILE	29.00	793.89	5273.	0.15	35641.	1050.	10.76	0.0200	50.	54.	0.00
MILE	27.30	793.90	5178.	0.14	37002.	1050.	11.16	0.0230	68.	57.	0.00
MILE	25.20	793.90	5068.	0.11	45865.	1049.	11.99	0.0230	76.	59.	0.00
MILE	23.10	793.91	5040.	0.13	37745.	1080.	11.41	0.0230	76.	64.	0.00

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TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.61	2000.	2.69	742.	273.	2.21	0.0290	76.	4.	0.29
MILE	77.70	816.92	2047.	2.05	996.	182.	2.48	0.0400	76.	6.	0.15
MILE	75.60	810.93	2097.	1.99	1054.	167.	2.54	0.0400	76.	4.	0.14
MILE	73.50	807.39	2187.	1.76	1241.	155.	2.89	0.0330	76.	8.	0.11
MILE	71.40	805.90	2357.	1.42	1660.	234.	2.63	0.0400	76.	8.	0.09
MILE	69.30	802.96	2658.	1.91	1389.	281.	2.37	0.0340	76.	4.	0.15
MILE	67.20	798.23	3059.	2.06	1481.	309.	2.42	0.0340	76.	8.	0.17
MILE	65.10	794.56	3678.	1.68	2193.	336.	3.20	0.0320	76.	8.	0.12
MILE	63.00	794.17	4227.	1.21	3490.	342.	4.63	0.0400	76.	13.	0.07
MILE	60.90	793.84	4533.	1.00	4549.	353.	5.67	0.0450	76.	17.	0.05
MILE	58.80	793.70	2627.	0.47	5631.	350.	6.10	0.0400	-1930.	21.	0.02
MILE	57.00	793.71	2704.	0.43	6243.	392.	5.96	0.0200	68.	19.	0.02
MILE	55.00	793.73	2807.	0.44	6374.	454.	6.47	0.0200	70.	20.	0.02
MILE	53.10	793.75	2865.	0.33	8765.	560.	5.95	0.0200	72.	20.	0.01
MILE	51.00	793.77	2834.	0.30	9520.	910.	6.08	0.0200	86.	24.	0.02
MILE	48.30	793.80	2642.	0.21	12780.	1610.	4.92	0.0200	86.	25.	0.01
MILE	46.20	793.81	2672.	0.17	15376.	1802.	6.70	0.0200	76.	32.	0.01
MILE	44.10	793.83	2370.	0.09	27406.	1498.	8.01	0.0300	45.	39.	0.00
MILE	43.70	793.83	2321.	0.16	14211.	1355.	8.24	0.0300	38.	41.	0.01
MILE	42.00	793.85	2110.	0.11	18549.	1323.	6.16	0.0300	83.	44.	0.01
MILE	39.10	793.89	1600.	0.09	17992.	1348.	7.85	0.0230	90.	43.	0.00
MILE	37.00	793.92	911.	0.03	31689.	1117.	7.25	0.0280	56.	43.	0.00
MILE	36.00	793.93	651.	0.03	19655.	899.	8.33	0.0280	43.	45.	0.00
MILE	34.60	793.95	300.	0.01	29939.	1224.	9.62	0.0280	43.	45.	0.00
MILE	33.60	793.96	-72.	0.00	61814.	2138.	8.10	0.0290	56.	51.	0.00
MILE	31.50	793.97	-986.	-0.03	30435.	1755.	10.37	0.0250	63.	55.	0.00
MILE	30.10	793.99	-1426.	-0.04	32059.	883.	9.91	0.0200	45.	53.	0.00
MILE	29.00	794.00	-1690.	-0.05	35756.	1054.	10.78	0.0200	50.	54.	0.00
MILE	27.30	794.02	-2131.	-0.06	37121.	1055.	11.18	0.0230	68.	57.	0.00
MILE	25.20	794.04	-2519.	-0.05	46014.	1053.	12.00	0.0230	76.	60.	0.00
MILE	23.10	794.06	-2916.	-0.08	37887.	1085.	11.44	0.0230	76.	64.	0.00

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TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.63	2000.	2.67	748.	273.	2.22	0.0290	76.	4.	0.28
MILE	77.70	816.95	2066.	2.06	1004.	183.	2.49	0.0400	76.	6.	0.15
MILE	75.60	810.95	2119.	2.00	1059.	167.	2.54	0.0400	76.	4.	0.14
MILE	73.50	807.29	2174.	1.79	1216.	153.	2.86	0.0330	76.	8.	0.11
MILE	71.40	805.74	2268.	1.42	1597.	231.	2.56	0.0400	76.	8.	0.10

MILE	69.30	802.76	2438.	1.87	1300.	274.	2.30	0.0340	76.	4.	0.15
MILE	67.20	797.87	2689.	2.04	1315.	292.	2.35	0.0340	76.	7.	0.17
MILE	65.10	794.25	3109.	1.50	2075.	325.	3.10	0.0320	76.	7.	0.10
MILE	63.00	794.01	3332.	0.97	3437.	340.	4.61	0.0400	76.	13.	0.05
MILE	60.90	793.85	3353.	0.74	4554.	353.	5.68	0.0450	76.	17.	0.04
MILE	58.80	793.80	1303.	0.23	5667.	351.	6.11	0.0400	-1930.	21.	0.01
MILE	57.00	793.82	1228.	0.20	6287.	394.	5.98	0.0200	68.	19.	0.01
MILE	55.00	793.84	1074.	0.17	6416.	456.	6.48	0.0200	70.	20.	0.01
MILE	53.10	793.87	838.	0.09	8838.	562.	5.97	0.0200	72.	21.	0.00
MILE	51.00	793.90	374.	0.04	9585.	914.	6.10	0.0200	86.	25.	0.00
MILE	48.30	793.95	-902.	-0.07	12944.	1618.	4.91	0.0200	86.	25.	0.00
MILE	46.20	793.98	-2338.	-0.15	15522.	1813.	6.73	0.0200	76.	32.	-0.01
MILE	44.10	794.00	-3313.	-0.12	27606.	1506.	8.04	0.0300	45.	39.	0.00
MILE	43.70	794.00	-3451.	-0.24	14298.	1363.	8.23	0.0300	38.	41.	-0.01
MILE	42.00	794.02	-3910.	-0.21	18752.	1331.	6.16	0.0300	83.	44.	-0.01
MILE	39.10	794.04	-4247.	-0.23	18113.	1354.	7.86	0.0230	90.	43.	-0.01
MILE	37.00	794.04	-3898.	-0.12	31880.	1121.	7.27	0.0280	56.	43.	0.00
MILE	36.00	794.04	-3742.	-0.19	19738.	902.	8.34	0.0280	43.	45.	-0.01
MILE	34.60	794.04	-3533.	-0.12	30021.	1228.	9.63	0.0280	43.	46.	0.00
MILE	33.60	794.03	-3360.	-0.05	62011.	2144.	8.11	0.0290	56.	51.	0.00
MILE	31.50	794.03	-3014.	-0.10	30488.	1759.	10.38	0.0250	63.	55.	0.00
MILE	30.10	794.03	-2842.	-0.09	32102.	884.	9.91	0.0200	45.	53.	0.00
MILE	29.00	794.03	-2686.	-0.08	35785.	1055.	10.78	0.0200	50.	54.	0.00
MILE	27.30	794.03	-2355.	-0.06	37132.	1055.	11.18	0.0230	68.	57.	0.00
MILE	25.20	794.02	-1997.	-0.04	45992.	1053.	12.00	0.0230	76.	60.	0.00
MILE	23.10	794.01	-1736.	-0.05	37840.	1083.	11.43	0.0230	76.	64.	0.00

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TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.66	2000.	2.65	756.	274.	2.23	0.0290	76.	4.	0.28
MILE	77.70	816.95	2064.	2.05	1005.	183.	2.49	0.0400	76.	6.	0.15
MILE	75.60	810.96	2129.	2.00	1062.	167.	2.55	0.0400	76.	4.	0.14
MILE	73.50	807.28	2193.	1.81	1214.	153.	2.85	0.0330	76.	8.	0.11
MILE	71.40	805.71	2273.	1.43	1586.	230.	2.55	0.0400	76.	8.	0.10
MILE	69.30	802.70	2387.	1.87	1275.	272.	2.28	0.0340	76.	4.	0.15
MILE	67.20	797.71	2538.	2.04	1244.	285.	2.31	0.0340	76.	7.	0.17
MILE	65.10	794.27	2722.	1.31	2083.	326.	3.11	0.0320	76.	7.	0.09
MILE	63.00	794.17	2482.	0.71	3490.	342.	4.64	0.0400	76.	13.	0.04
MILE	60.90	794.14	2005.	0.43	4653.	357.	5.75	0.0450	76.	18.	0.02
MILE	58.80	794.16	-512.	-0.09	5800.	356.	6.15	0.0400	-1930.	21.	0.00
MILE	57.00	794.16	-845.	-0.13	6436.	398.	6.05	0.0200	68.	19.	-0.01
MILE	55.00	794.16	-1133.	-0.17	6538.	461.	6.53	0.0200	70.	21.	-0.01
MILE	53.10	794.16	-1326.	-0.15	9015.	568.	6.02	0.0200	72.	21.	-0.01
MILE	51.00	794.14	-1494.	-0.15	9710.	922.	6.13	0.0200	86.	25.	-0.01
MILE	48.30	794.11	-1457.	-0.11	13129.	1627.	4.91	0.0200	86.	25.	-0.01

MILE	46.20	794.10	-1552.	-0.10	15627.	1820.	6.75	0.0200	76.	32.	-0.01
MILE	44.10	794.08	-1696.	-0.06	27704.	1510.	8.05	0.0300	45.	39.	0.00
MILE	43.70	794.08	-1712.	-0.12	14338.	1367.	8.23	0.0300	38.	41.	-0.01
MILE	42.00	794.06	-1752.	-0.09	18797.	1333.	6.16	0.0300	83.	44.	0.00
MILE	39.10	794.04	-2047.	-0.11	18116.	1355.	7.86	0.0230	90.	43.	-0.01
MILE	37.00	794.05	-2747.	-0.09	31893.	1121.	7.27	0.0280	56.	43.	0.00
MILE	36.00	794.05	-3013.	-0.15	19747.	903.	8.34	0.0280	43.	45.	-0.01
MILE	34.60	794.05	-3337.	-0.11	30036.	1228.	9.64	0.0280	43.	46.	0.00
MILE	33.60	794.05	-3599.	-0.06	62056.	2145.	8.12	0.0290	56.	51.	0.00
MILE	31.50	794.05	-4084.	-0.13	30504.	1760.	10.38	0.0250	63.	55.	-0.01
MILE	30.10	794.05	-4276.	-0.13	32124.	885.	9.92	0.0200	45.	53.	0.00
MILE	29.00	794.05	-4415.	-0.12	35808.	1056.	10.79	0.0200	50.	54.	0.00
MILE	27.30	794.06	-4716.	-0.13	37158.	1056.	11.18	0.0230	68.	57.	0.00
MILE	25.20	794.07	-5033.	-0.11	46045.	1054.	12.01	0.0230	76.	60.	0.00
MILE	23.10	794.08	-5238.	-0.14	37906.	1086.	11.44	0.0230	76.	64.	0.00

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TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.68	2000.	2.63	761.	274.	2.24	0.0290	76.	4.	0.28
MILE	77.70	816.96	2070.	2.06	1007.	184.	2.49	0.0400	76.	6.	0.15
MILE	75.60	810.98	2144.	2.01	1067.	168.	2.56	0.0400	76.	4.	0.14
MILE	73.50	807.30	2222.	1.82	1220.	153.	2.86	0.0330	76.	8.	0.11
MILE	71.40	805.73	2306.	1.45	1595.	231.	2.56	0.0400	76.	8.	0.10
MILE	69.30	802.70	2399.	1.88	1278.	272.	2.28	0.0340	76.	4.	0.15
MILE	67.20	797.68	2474.	2.01	1229.	283.	2.30	0.0340	76.	7.	0.17
MILE	65.10	794.61	2455.	1.11	2214.	338.	3.22	0.0320	76.	8.	0.08
MILE	63.00	794.45	2480.	0.69	3587.	346.	4.69	0.0400	76.	13.	0.04
MILE	60.90	794.32	2663.	0.57	4713.	359.	5.79	0.0450	76.	18.	0.03
MILE	58.80	794.25	906.	0.16	5836.	357.	6.17	0.0400	-1930.	21.	0.01
MILE	57.00	794.23	1044.	0.16	6465.	399.	6.07	0.0200	68.	19.	0.01
MILE	55.00	794.21	1131.	0.17	6554.	462.	6.53	0.0200	70.	21.	0.01
MILE	53.10	794.19	1147.	0.13	9033.	568.	6.03	0.0200	72.	21.	0.01
MILE	51.00	794.18	1000.	0.10	9727.	923.	6.14	0.0200	86.	25.	0.01
MILE	48.30	794.18	39.	0.00	13211.	1631.	4.91	0.0200	86.	25.	0.00
MILE	46.20	794.18	-702.	-0.04	15701.	1825.	6.76	0.0200	76.	32.	0.00
MILE	44.10	794.18	-1330.	-0.05	27829.	1516.	8.07	0.0300	45.	39.	0.00
MILE	43.70	794.18	-1432.	-0.10	14396.	1372.	8.22	0.0300	38.	41.	-0.01
MILE	42.00	794.19	-1864.	-0.10	18960.	1339.	6.16	0.0300	83.	44.	0.00
MILE	39.10	794.18	-2259.	-0.12	18231.	1361.	7.87	0.0230	90.	43.	-0.01
MILE	37.00	794.17	-1901.	-0.06	32087.	1126.	7.30	0.0280	56.	43.	0.00
MILE	36.00	794.16	-1738.	-0.09	19838.	906.	8.35	0.0280	43.	45.	0.00
MILE	34.60	794.15	-1549.	-0.05	30137.	1233.	9.65	0.0280	43.	46.	0.00
MILE	33.60	794.15	-1484.	-0.02	62316.	2152.	8.14	0.0290	56.	51.	0.00
MILE	31.50	794.14	-1544.	-0.05	30585.	1765.	10.39	0.0250	63.	55.	0.00
MILE	30.10	794.13	-1548.	-0.05	32205.	887.	9.93	0.0200	45.	53.	0.00

MILE	29.00	794.12	-1505.	-0.04	35878.	1058.	10.80	0.0200	50.	54.	0.00
MILE	27.30	794.11	-1372.	-0.04	37216.	1058.	11.19	0.0230	68.	57.	0.00
MILE	25.20	794.09	-1157.	-0.03	46072.	1055.	12.01	0.0230	76.	60.	0.00
MILE	23.10	794.07	-978.	-0.03	37897.	1086.	11.44	0.0230	76.	64.	0.00

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TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.66	2000.	2.64	756.	274.	2.23	0.0290	76.	4.	0.28
MILE	77.70	816.98	2083.	2.06	1011.	184.	2.49	0.0400	76.	6.	0.15
MILE	75.60	811.01	2167.	2.02	1074.	169.	2.57	0.0400	76.	5.	0.14
MILE	73.50	807.34	2248.	1.83	1229.	154.	2.87	0.0330	76.	8.	0.11
MILE	71.40	805.76	2325.	1.45	1605.	231.	2.57	0.0400	76.	8.	0.10
MILE	69.30	802.70	2387.	1.87	1276.	272.	2.28	0.0340	76.	4.	0.15
MILE	67.20	797.65	2448.	2.01	1216.	281.	2.30	0.0340	76.	7.	0.17
MILE	65.10	794.54	2580.	1.18	2184.	335.	3.19	0.0320	76.	8.	0.08
MILE	63.00	794.38	2713.	0.76	3563.	345.	4.68	0.0400	76.	13.	0.04
MILE	60.90	794.29	2672.	0.57	4703.	359.	5.78	0.0450	76.	18.	0.03
MILE	58.80	794.27	585.	0.10	5841.	357.	6.17	0.0400	-1930.	21.	0.00
MILE	57.00	794.27	592.	0.09	6483.	400.	6.08	0.0200	68.	19.	0.00
MILE	55.00	794.28	638.	0.10	6581.	463.	6.54	0.0200	70.	21.	0.00
MILE	53.10	794.28	667.	0.07	9091.	570.	6.05	0.0200	72.	21.	0.00
MILE	51.00	794.29	739.	0.08	9782.	927.	6.15	0.0200	86.	25.	0.00
MILE	48.30	794.26	1435.	0.11	13297.	1635.	4.91	0.0200	86.	25.	0.01
MILE	46.20	794.25	1874.	0.12	15759.	1829.	6.77	0.0200	76.	32.	0.01
MILE	44.10	794.22	2137.	0.08	27878.	1518.	8.08	0.0300	45.	39.	0.00
MILE	43.70	794.22	2185.	0.15	14415.	1373.	8.22	0.0300	38.	41.	0.01
MILE	42.00	794.19	2411.	0.13	18964.	1339.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.16	2662.	0.15	18210.	1360.	7.87	0.0230	90.	43.	0.01
MILE	37.00	794.15	2215.	0.07	32059.	1125.	7.30	0.0280	56.	43.	0.00
MILE	36.00	794.15	2046.	0.10	19825.	906.	8.35	0.0280	43.	45.	0.00
MILE	34.60	794.14	1854.	0.06	30123.	1232.	9.65	0.0280	43.	46.	0.00
MILE	33.60	794.13	1708.	0.03	62280.	2151.	8.13	0.0290	56.	51.	0.00
MILE	31.50	794.13	1462.	0.05	30576.	1765.	10.39	0.0250	63.	55.	0.00
MILE	30.10	794.13	1418.	0.04	32203.	887.	9.93	0.0200	45.	53.	0.00
MILE	29.00	794.13	1386.	0.04	35879.	1059.	10.80	0.0200	50.	54.	0.00
MILE	27.30	794.12	1272.	0.03	37220.	1058.	11.19	0.0230	68.	57.	0.00
MILE	25.20	794.12	1075.	0.02	46107.	1056.	12.02	0.0230	76.	60.	0.00
MILE	23.10	794.13	947.	0.02	37954.	1088.	11.45	0.0230	76.	64.	0.00

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TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	822.63	2013.	2.69	749.	273.	2.22	0.0290	76.	4.	0.29
MILE	77.70	817.00	2099.	2.07	1016.	185.	2.50	0.0400	76.	6.	0.16
MILE	75.60	811.02	2179.	2.02	1078.	169.	2.57	0.0400	76.	5.	0.14
MILE	73.50	807.35	2253.	1.83	1232.	154.	2.88	0.0330	76.	8.	0.11
MILE	71.40	805.76	2322.	1.45	1607.	231.	2.57	0.0400	76.	8.	0.10
MILE	69.30	802.70	2387.	1.87	1275.	272.	2.27	0.0340	76.	4.	0.15
MILE	67.20	797.66	2461.	2.02	1220.	282.	2.30	0.0340	76.	7.	0.17
MILE	65.10	794.59	2498.	1.13	2204.	337.	3.21	0.0320	76.	8.	0.08
MILE	63.00	794.43	2557.	0.71	3579.	346.	4.68	0.0400	76.	13.	0.04
MILE	60.90	794.29	2807.	0.60	4701.	359.	5.78	0.0450	76.	18.	0.03
MILE	58.80	794.21	1124.	0.19	5822.	356.	6.16	0.0400	-1930.	21.	0.01
MILE	57.00	794.20	1307.	0.20	6454.	399.	6.06	0.0200	68.	19.	0.01
MILE	55.00	794.19	1478.	0.23	6548.	461.	6.53	0.0200	70.	21.	0.01
MILE	53.10	794.18	1711.	0.19	9025.	568.	6.03	0.0200	72.	21.	0.01
MILE	51.00	794.16	2080.	0.21	9719.	923.	6.14	0.0200	86.	25.	0.01
MILE	48.30	794.17	2271.	0.17	13194.	1630.	4.91	0.0200	86.	25.	0.01
MILE	46.20	794.17	2374.	0.15	15696.	1825.	6.76	0.0200	76.	32.	0.01
MILE	44.10	794.18	2726.	0.10	27824.	1516.	8.07	0.0300	45.	39.	0.00
MILE	43.70	794.18	2773.	0.19	14394.	1371.	8.22	0.0300	38.	41.	0.01
MILE	42.00	794.19	2877.	0.15	18961.	1339.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.20	2949.	0.16	18246.	1362.	7.87	0.0230	90.	43.	0.01
MILE	37.00	794.20	3340.	0.10	32139.	1127.	7.31	0.0280	56.	43.	0.00
MILE	36.00	794.20	3497.	0.18	19869.	907.	8.36	0.0280	43.	45.	0.01
MILE	34.60	794.20	3682.	0.12	30184.	1235.	9.66	0.0280	43.	46.	0.00
MILE	33.60	794.20	3801.	0.06	62453.	2156.	8.15	0.0290	56.	51.	0.00
MILE	31.50	794.20	3980.	0.13	30635.	1769.	10.40	0.0250	63.	55.	0.01
MILE	30.10	794.19	4038.	0.13	32267.	889.	9.94	0.0200	45.	53.	0.00
MILE	29.00	794.19	4062.	0.11	35940.	1061.	10.81	0.0200	50.	54.	0.00
MILE	27.30	794.18	4070.	0.11	37283.	1061.	11.20	0.0230	68.	57.	0.00
MILE	25.20	794.17	4096.	0.09	46157.	1058.	12.02	0.0230	76.	60.	0.00
MILE	23.10	794.16	4061.	0.11	37982.	1089.	11.45	0.0230	76.	64.	0.00

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TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.33	5162.	3.41	1514.	326.	3.04	0.0290	76.	7.	0.28
MILE	77.70	819.41	4746.	2.77	1715.	258.	3.09	0.0400	76.	9.	0.19
MILE	75.60	811.98	3389.	2.54	1334.	193.	2.93	0.0400	76.	5.	0.17
MILE	73.50	807.55	2605.	2.03	1282.	158.	2.94	0.0330	76.	8.	0.13
MILE	71.40	805.80	2399.	1.48	1623.	232.	2.59	0.0400	76.	8.	0.10
MILE	69.30	802.70	2402.	1.88	1278.	272.	2.28	0.0340	76.	4.	0.15
MILE	67.20	797.65	2464.	2.02	1219.	282.	2.30	0.0340	76.	7.	0.17
MILE	65.10	794.46	2597.	1.20	2157.	333.	3.17	0.0320	76.	7.	0.08

MILE	63.00	794.28	2844.	0.81	3529.	344.	4.66	0.0400	76.	13.	0.04
MILE	60.90	794.16	2974.	0.64	4658.	357.	5.75	0.0450	76.	18.	0.03
MILE	58.80	794.12	1000.	0.17	5785.	355.	6.15	0.0400	-1930.	21.	0.01
MILE	57.00	794.12	1103.	0.17	6419.	398.	6.04	0.0200	68.	19.	0.01
MILE	55.00	794.13	1271.	0.19	6525.	460.	6.52	0.0200	70.	21.	0.01
MILE	53.10	794.14	1373.	0.15	9006.	567.	6.02	0.0200	72.	21.	0.01
MILE	51.00	794.16	1405.	0.14	9718.	923.	6.14	0.0200	86.	25.	0.01
MILE	48.30	794.16	1705.	0.13	13183.	1629.	4.91	0.0200	86.	25.	0.01
MILE	46.20	794.16	2264.	0.14	15679.	1824.	6.76	0.0200	76.	32.	0.01
MILE	44.10	794.15	2458.	0.09	27791.	1514.	8.07	0.0300	45.	39.	0.00
MILE	43.70	794.15	2490.	0.17	14378.	1370.	8.22	0.0300	38.	41.	0.01
MILE	42.00	794.15	2641.	0.14	18909.	1337.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.14	3140.	0.17	18193.	1359.	7.87	0.0230	90.	43.	0.01
MILE	37.00	794.14	3293.	0.10	32035.	1125.	7.29	0.0280	56.	43.	0.00
MILE	36.00	794.14	3341.	0.17	19818.	905.	8.35	0.0280	43.	45.	0.01
MILE	34.60	794.14	3396.	0.11	30123.	1232.	9.65	0.0280	43.	46.	0.00
MILE	33.60	794.14	3438.	0.06	62292.	2151.	8.13	0.0290	56.	51.	0.00
MILE	31.50	794.14	3521.	0.12	30587.	1765.	10.39	0.0250	63.	55.	0.00
MILE	30.10	794.15	3544.	0.11	32228.	888.	9.94	0.0200	45.	53.	0.00
MILE	29.00	794.16	3593.	0.10	35911.	1060.	10.80	0.0200	50.	54.	0.00
MILE	27.30	794.16	3703.	0.10	37262.	1060.	11.20	0.0230	68.	57.	0.00
MILE	25.20	794.17	3779.	0.08	46158.	1058.	12.02	0.0230	76.	60.	0.00
MILE	23.10	794.18	3845.	0.10	38001.	1090.	11.46	0.0230	76.	64.	0.00

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.04	5426.	3.79	1430.	322.	2.94	0.0290	76.	6.	0.32
MILE	77.70	820.29	5510.	2.75	2007.	285.	3.32	0.0400	76.	10.	0.18
MILE	75.60	813.75	5212.	2.87	1815.	238.	3.53	0.0400	76.	7.	0.18
MILE	73.50	808.85	4340.	2.68	1619.	185.	3.34	0.0330	76.	10.	0.16
MILE	71.40	806.53	3483.	1.82	1912.	246.	2.87	0.0400	76.	9.	0.12
MILE	69.30	802.92	2785.	2.03	1372.	279.	2.36	0.0340	76.	4.	0.16
MILE	67.20	797.71	2571.	2.07	1245.	285.	2.31	0.0340	76.	7.	0.17
MILE	65.10	794.44	2586.	1.21	2146.	332.	3.16	0.0320	76.	7.	0.08
MILE	63.00	794.28	2592.	0.73	3529.	344.	4.66	0.0400	76.	13.	0.04
MILE	60.90	794.17	2675.	0.57	4660.	357.	5.75	0.0450	76.	18.	0.03
MILE	58.80	794.11	862.	0.15	5783.	355.	6.15	0.0400	-1930.	21.	0.01
MILE	57.00	794.11	958.	0.15	6412.	398.	6.04	0.0200	68.	19.	0.01
MILE	55.00	794.11	1016.	0.16	6516.	460.	6.52	0.0200	70.	21.	0.01
MILE	53.10	794.10	1123.	0.13	8980.	567.	6.01	0.0200	72.	21.	0.01
MILE	51.00	794.09	1371.	0.14	9684.	921.	6.13	0.0200	86.	25.	0.01
MILE	48.30	794.10	1690.	0.13	13112.	1626.	4.91	0.0200	86.	25.	0.01
MILE	46.20	794.11	1545.	0.10	15641.	1821.	6.75	0.0200	76.	32.	0.01
MILE	44.10	794.12	1668.	0.06	27754.	1513.	8.06	0.0300	45.	39.	0.00
MILE	43.70	794.12	1690.	0.12	14363.	1369.	8.22	0.0300	38.	41.	0.01

MILE	42.00	794.13	1765.	0.09	18891.	1336.	6.16	0.0300	83.	44.	0.00
MILE	39.10	794.15	1725.	0.09	18207.	1360.	7.87	0.0230	90.	43.	0.00
MILE	37.00	794.17	1713.	0.05	32084.	1126.	7.30	0.0280	56.	43.	0.00
MILE	36.00	794.17	1703.	0.09	19844.	906.	8.36	0.0280	43.	45.	0.00
MILE	34.60	794.17	1680.	0.06	30159.	1233.	9.65	0.0280	43.	46.	0.00
MILE	33.60	794.18	1676.	0.03	62388.	2154.	8.14	0.0290	56.	51.	0.00
MILE	31.50	794.18	1738.	0.06	30618.	1767.	10.40	0.0250	63.	55.	0.00
MILE	30.10	794.18	1794.	0.06	32253.	888.	9.94	0.0200	45.	53.	0.00
MILE	29.00	794.18	1821.	0.05	35930.	1060.	10.81	0.0200	50.	54.	0.00
MILE	27.30	794.18	1844.	0.05	37278.	1060.	11.20	0.0230	68.	57.	0.00
MILE	25.20	794.18	1918.	0.04	46163.	1058.	12.02	0.0230	76.	60.	0.00
MILE	23.10	794.18	1879.	0.05	38001.	1090.	11.46	0.0230	76.	64.	0.00

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.00	5424.	3.82	1418.	321.	2.92	0.0290	76.	6.	0.32
MILE	77.70	820.34	5467.	2.70	2025.	286.	3.34	0.0400	76.	10.	0.18
MILE	75.60	814.20	5475.	2.82	1939.	250.	3.68	0.0400	76.	8.	0.18
MILE	73.50	809.84	5291.	2.81	1886.	205.	3.63	0.0330	76.	11.	0.16
MILE	71.40	807.64	4878.	2.07	2357.	267.	3.26	0.0400	76.	10.	0.12
MILE	69.30	803.75	4132.	2.38	1739.	306.	2.65	0.0340	76.	5.	0.18
MILE	67.20	798.21	3340.	2.27	1473.	308.	2.42	0.0340	76.	8.	0.18
MILE	65.10	794.49	2955.	1.36	2168.	334.	3.18	0.0320	76.	7.	0.09
MILE	63.00	794.28	2918.	0.83	3528.	344.	4.66	0.0400	76.	13.	0.05
MILE	60.90	794.15	2933.	0.63	4654.	357.	5.75	0.0450	76.	18.	0.03
MILE	58.80	794.11	859.	0.15	5783.	355.	6.15	0.0400	-1930.	21.	0.01
MILE	57.00	794.12	828.	0.13	6416.	398.	6.04	0.0200	68.	19.	0.01
MILE	55.00	794.12	823.	0.13	6522.	460.	6.52	0.0200	70.	21.	0.01
MILE	53.10	794.13	793.	0.09	8999.	567.	6.02	0.0200	72.	21.	0.00
MILE	51.00	794.14	664.	0.07	9710.	922.	6.13	0.0200	86.	25.	0.00
MILE	48.30	794.15	389.	0.03	13174.	1629.	4.91	0.0200	86.	25.	0.00
MILE	46.20	794.15	312.	0.02	15675.	1823.	6.76	0.0200	76.	32.	0.00
MILE	44.10	794.15	183.	0.01	27791.	1514.	8.07	0.0300	45.	39.	0.00
MILE	43.70	794.15	163.	0.01	14379.	1370.	8.22	0.0300	38.	41.	0.00
MILE	42.00	794.15	74.	0.00	18917.	1337.	6.16	0.0300	83.	44.	0.00
MILE	39.10	794.16	-21.	0.00	18211.	1360.	7.87	0.0230	90.	43.	0.00
MILE	37.00	794.16	4.	0.00	32076.	1126.	7.30	0.0280	56.	43.	0.00
MILE	36.00	794.16	13.	0.00	19839.	906.	8.35	0.0280	43.	45.	0.00
MILE	34.60	794.17	15.	0.00	30154.	1233.	9.65	0.0280	43.	46.	0.00
MILE	33.60	794.17	-4.	0.00	62376.	2154.	8.14	0.0290	56.	51.	0.00
MILE	31.50	794.18	-85.	0.00	30616.	1767.	10.40	0.0250	63.	55.	0.00
MILE	30.10	794.18	-156.	0.00	32260.	889.	9.94	0.0200	45.	53.	0.00
MILE	29.00	794.19	-174.	0.00	35942.	1061.	10.81	0.0200	50.	54.	0.00
MILE	27.30	794.19	-200.	-0.01	37294.	1061.	11.20	0.0230	68.	57.	0.00
MILE	25.20	794.20	-272.	-0.01	46194.	1059.	12.03	0.0230	76.	60.	0.00

MILE	23.10	794.21	-249.	-0.01	38030.	1091.	11.46	0.0230	76.	64.	0.00

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.02	5406.	3.80	1423.	321.	2.93	0.0290	76.	6.	0.32
MILE	77.70	820.36	5473.	2.70	2031.	287.	3.35	0.0400	76.	10.	0.18
MILE	75.60	814.32	5521.	2.80	1973.	253.	3.71	0.0400	76.	8.	0.18
MILE	73.50	810.18	5502.	2.78	1979.	212.	3.72	0.0330	76.	11.	0.16
MILE	71.40	808.11	5401.	2.12	2546.	276.	3.42	0.0400	76.	10.	0.12
MILE	69.30	804.44	5203.	2.52	2064.	329.	2.87	0.0340	76.	6.	0.18
MILE	67.20	799.14	4779.	2.46	1946.	352.	2.61	0.0340	76.	8.	0.18
MILE	65.10	794.83	3970.	1.73	2298.	346.	3.29	0.0320	76.	8.	0.12
MILE	63.00	794.53	3491.	0.97	3613.	347.	4.70	0.0400	76.	14.	0.05
MILE	60.90	794.34	3216.	0.68	4719.	359.	5.79	0.0450	76.	18.	0.03
MILE	58.80	794.26	1115.	0.19	5838.	357.	6.17	0.0400	-1930.	21.	0.01
MILE	57.00	794.24	1045.	0.16	6470.	400.	6.07	0.0200	68.	19.	0.01
MILE	55.00	794.23	949.	0.14	6562.	462.	6.54	0.0200	70.	21.	0.01
MILE	53.10	794.22	851.	0.09	9050.	569.	6.03	0.0200	72.	21.	0.00
MILE	51.00	794.21	688.	0.07	9743.	924.	6.14	0.0200	86.	25.	0.00
MILE	48.30	794.20	256.	0.02	13235.	1632.	4.91	0.0200	86.	25.	0.00
MILE	46.20	794.21	-58.	0.00	15724.	1827.	6.77	0.0200	76.	32.	0.00
MILE	44.10	794.21	-453.	-0.02	27859.	1517.	8.08	0.0300	45.	39.	0.00
MILE	43.70	794.21	-492.	-0.03	14409.	1373.	8.22	0.0300	38.	41.	0.00
MILE	42.00	794.20	-477.	-0.03	18977.	1339.	6.16	0.0300	83.	44.	0.00
MILE	39.10	794.16	567.	0.03	18211.	1360.	7.87	0.0230	90.	43.	0.00
MILE	37.00	794.12	1776.	0.06	32016.	1124.	7.29	0.0280	56.	43.	0.00
MILE	36.00	794.11	2251.	0.11	19795.	904.	8.35	0.0280	43.	45.	0.00
MILE	34.60	794.09	2907.	0.10	30071.	1230.	9.64	0.0280	43.	46.	0.00
MILE	33.60	794.08	3569.	0.06	62122.	2147.	8.12	0.0290	56.	51.	0.00
MILE	31.50	794.06	5173.	0.17	30508.	1760.	10.38	0.0250	63.	55.	0.01
MILE	30.10	794.04	5960.	0.19	32106.	884.	9.91	0.0200	45.	53.	0.01
MILE	29.00	794.02	6509.	0.18	35775.	1055.	10.78	0.0200	50.	54.	0.01
MILE	27.30	794.00	7566.	0.20	37101.	1054.	11.17	0.0230	68.	57.	0.01
MILE	25.20	793.96	8834.	0.19	45930.	1051.	11.99	0.0230	76.	59.	0.01
MILE	23.10	793.93	9755.	0.26	37764.	1080.	11.42	0.0230	76.	64.	0.01

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TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.04	5424.	3.80	1428.	322.	2.93	0.0290	76.	6.	0.32

MILE	77.70	820.38	5496.	2.70	2037.	288.	3.36	0.0400	76.	10.	0.18
MILE	75.60	814.37	5563.	2.80	1988.	254.	3.73	0.0400	76.	8.	0.18
MILE	73.50	810.32	5620.	2.78	2021.	215.	3.76	0.0330	76.	11.	0.16
MILE	71.40	808.31	5657.	2.15	2631.	280.	3.48	0.0400	76.	11.	0.12
MILE	69.30	804.75	5649.	2.55	2213.	339.	2.96	0.0340	76.	6.	0.18
MILE	67.20	799.65	5487.	2.45	2239.	377.	2.72	0.0340	76.	9.	0.18
MILE	65.10	795.32	4984.	2.00	2488.	367.	3.45	0.0320	76.	8.	0.14
MILE	63.00	794.86	4576.	1.23	3727.	352.	4.76	0.0400	76.	14.	0.07
MILE	60.90	794.54	4353.	0.91	4785.	362.	5.84	0.0450	76.	18.	0.04
MILE	58.80	794.40	2247.	0.38	5891.	359.	6.19	0.0400	-1930.	21.	0.02
MILE	57.00	794.38	2208.	0.34	6527.	401.	6.10	0.0200	68.	20.	0.01
MILE	55.00	794.34	2217.	0.34	6604.	464.	6.55	0.0200	70.	21.	0.02
MILE	53.10	794.30	2368.	0.26	9100.	570.	6.05	0.0200	72.	21.	0.01
MILE	51.00	794.24	2888.	0.30	9759.	925.	6.15	0.0200	86.	25.	0.02
MILE	48.30	794.14	4728.	0.36	13161.	1628.	4.91	0.0200	86.	25.	0.02
MILE	46.20	794.10	5810.	0.37	15626.	1820.	6.75	0.0200	76.	32.	0.02
MILE	44.10	794.05	7182.	0.26	27672.	1509.	8.05	0.0300	45.	39.	0.01
MILE	43.70	794.04	7400.	0.52	14320.	1365.	8.23	0.0300	38.	41.	0.03
MILE	42.00	793.98	8286.	0.44	18705.	1329.	6.16	0.0300	83.	44.	0.02
MILE	39.10	793.90	9423.	0.52	18001.	1348.	7.85	0.0230	90.	43.	0.03
MILE	37.00	793.89	9565.	0.30	31644.	1115.	7.24	0.0280	56.	43.	0.01
MILE	36.00	793.88	9605.	0.49	19613.	897.	8.33	0.0280	43.	45.	0.02
MILE	34.60	793.87	9720.	0.33	29853.	1221.	9.61	0.0280	43.	45.	0.01
MILE	33.60	793.86	9971.	0.16	61546.	2131.	8.08	0.0290	56.	51.	0.01
MILE	31.50	793.85	10846.	0.36	30321.	1748.	10.35	0.0250	63.	55.	0.02
MILE	30.10	793.84	11198.	0.35	31899.	878.	9.88	0.0200	45.	53.	0.01
MILE	29.00	793.83	11361.	0.32	35586.	1048.	10.75	0.0200	50.	54.	0.01
MILE	27.30	793.82	11542.	0.31	36930.	1048.	11.15	0.0230	68.	57.	0.01
MILE	25.20	793.82	11727.	0.26	45778.	1046.	11.97	0.0230	76.	59.	0.01
MILE	23.10	793.83	12015.	0.32	37669.	1077.	11.40	0.0230	76.	64.	0.01

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TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	824.99	5407.	3.82	1414.	321.	2.92	0.0290	76.	6.	0.32
MILE	77.70	820.38	5504.	2.70	2039.	288.	3.36	0.0400	76.	10.	0.18
MILE	75.60	814.42	5609.	2.80	2002.	255.	3.74	0.0400	76.	8.	0.18
MILE	73.50	810.41	5690.	2.78	2044.	216.	3.78	0.0330	76.	11.	0.16
MILE	71.40	808.40	5745.	2.15	2668.	282.	3.51	0.0400	76.	11.	0.12
MILE	69.30	804.84	5757.	2.55	2258.	342.	2.98	0.0340	76.	6.	0.17
MILE	67.20	799.84	5705.	2.43	2348.	385.	2.76	0.0340	76.	9.	0.17
MILE	65.10	795.61	5506.	2.12	2603.	380.	3.54	0.0320	76.	9.	0.14
MILE	63.00	794.99	5521.	1.46	3772.	354.	4.79	0.0400	76.	14.	0.08
MILE	60.90	794.40	5952.	1.26	4740.	360.	5.81	0.0450	76.	18.	0.06
MILE	58.80	794.06	4589.	0.80	5766.	355.	6.14	0.0400	-1930.	21.	0.03
MILE	57.00	794.03	5086.	0.80	6379.	397.	6.02	0.0200	68.	19.	0.04

MILE	55.00	793.99	5658.	0.87	6471.	458.	6.50	0.0200	70.	20.	0.04
MILE	53.10	793.96	6258.	0.70	8892.	564.	5.99	0.0200	72.	21.	0.03
MILE	51.00	793.93	7022.	0.73	9599.	915.	6.10	0.0200	86.	25.	0.04
MILE	48.30	793.90	7754.	0.60	12895.	1615.	4.91	0.0200	86.	25.	0.04
MILE	46.20	793.88	8858.	0.57	15438.	1807.	6.71	0.0200	76.	32.	0.03
MILE	44.10	793.88	9721.	0.35	27470.	1500.	8.02	0.0300	45.	39.	0.01
MILE	43.70	793.88	9837.	0.69	14234.	1357.	8.24	0.0300	38.	41.	0.04
MILE	42.00	793.87	10138.	0.55	18563.	1324.	6.16	0.0300	83.	44.	0.03
MILE	39.10	793.85	10414.	0.58	17955.	1345.	7.84	0.0230	90.	43.	0.03
MILE	37.00	793.84	10939.	0.35	31562.	1114.	7.23	0.0280	56.	43.	0.01
MILE	36.00	793.84	11136.	0.57	19577.	896.	8.33	0.0280	43.	45.	0.02
MILE	34.60	793.84	11326.	0.38	29825.	1219.	9.61	0.0280	43.	45.	0.01
MILE	33.60	793.84	11388.	0.19	61493.	2130.	8.08	0.0290	56.	51.	0.01
MILE	31.50	793.84	11345.	0.37	30314.	1747.	10.35	0.0250	63.	55.	0.02
MILE	30.10	793.84	11349.	0.36	31902.	878.	9.88	0.0200	45.	53.	0.01
MILE	29.00	793.84	11346.	0.32	35597.	1048.	10.75	0.0200	50.	54.	0.01
MILE	27.30	793.85	11315.	0.31	36953.	1048.	11.15	0.0230	68.	57.	0.01
MILE	25.20	793.84	11365.	0.25	45802.	1046.	11.98	0.0230	76.	59.	0.01
MILE	23.10	793.83	11590.	0.31	37669.	1077.	11.40	0.0230	76.	64.	0.01

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TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	824.95	5412.	3.87	1400.	320.	2.91	0.0290	76.	6.	0.33
MILE	77.70	820.38	5505.	2.70	2039.	288.	3.36	0.0400	76.	10.	0.18
MILE	75.60	814.42	5597.	2.79	2003.	255.	3.75	0.0400	76.	8.	0.18
MILE	73.50	810.42	5670.	2.77	2047.	216.	3.78	0.0330	76.	11.	0.16
MILE	71.40	808.41	5722.	2.14	2670.	282.	3.52	0.0400	76.	11.	0.12
MILE	69.30	804.85	5750.	2.54	2262.	342.	2.99	0.0340	76.	6.	0.17
MILE	67.20	799.88	5754.	2.42	2374.	387.	2.77	0.0340	76.	9.	0.17
MILE	65.10	795.55	5768.	2.24	2579.	377.	3.52	0.0320	76.	9.	0.15
MILE	63.00	794.80	6024.	1.63	3707.	351.	4.75	0.0400	76.	14.	0.09
MILE	60.90	794.11	6292.	1.36	4642.	357.	5.74	0.0450	76.	18.	0.07
MILE	58.80	793.78	4496.	0.79	5659.	351.	6.11	0.0400	-1930.	21.	0.03
MILE	57.00	793.76	4712.	0.75	6262.	393.	5.96	0.0200	68.	19.	0.03
MILE	55.00	793.74	4986.	0.78	6378.	454.	6.47	0.0200	70.	20.	0.04
MILE	53.10	793.74	5195.	0.59	8763.	560.	5.94	0.0200	72.	20.	0.03
MILE	51.00	793.75	5409.	0.57	9511.	910.	6.08	0.0200	86.	24.	0.03
MILE	48.30	793.76	6046.	0.47	12739.	1607.	4.92	0.0200	86.	25.	0.03
MILE	46.20	793.76	6800.	0.44	15334.	1799.	6.69	0.0200	76.	32.	0.03
MILE	44.10	793.78	7345.	0.27	27344.	1495.	8.00	0.0300	45.	39.	0.01
MILE	43.70	793.78	7448.	0.53	14181.	1352.	8.25	0.0300	38.	41.	0.03
MILE	42.00	793.78	7961.	0.43	18454.	1320.	6.16	0.0300	83.	44.	0.02
MILE	39.10	793.75	9201.	0.51	17874.	1341.	7.83	0.0230	90.	43.	0.02
MILE	37.00	793.75	9711.	0.31	31409.	1110.	7.21	0.0280	56.	42.	0.01
MILE	36.00	793.74	9953.	0.51	19501.	893.	8.32	0.0280	43.	45.	0.02

MILE	34.60	793.74	10351.	0.35	29726.	1215.	9.59	0.0280	43.	45.	0.01
MILE	33.60	793.74	10716.	0.18	61220.	2122.	8.06	0.0290	56.	51.	0.01
MILE	31.50	793.74	11512.	0.38	30220.	1741.	10.33	0.0250	63.	55.	0.02
MILE	30.10	793.73	11985.	0.38	31788.	875.	9.86	0.0200	45.	53.	0.01
MILE	29.00	793.73	12296.	0.35	35485.	1044.	10.73	0.0200	50.	54.	0.01
MILE	27.30	793.73	12816.	0.35	36839.	1044.	11.13	0.0230	68.	57.	0.01
MILE	25.20	793.73	13337.	0.29	45677.	1042.	11.96	0.0230	76.	59.	0.01
MILE	23.10	793.73	13798.	0.37	37574.	1073.	11.39	0.0230	76.	64.	0.01

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TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	826.53	8219.	4.40	1869.	342.	3.45	0.0290	76.	8.	0.33
MILE	77.70	821.79	8019.	3.19	2516.	330.	3.84	0.0400	76.	11.	0.20
MILE	75.60	815.10	6946.	3.17	2193.	273.	3.95	0.0400	76.	9.	0.20
MILE	73.50	810.61	6173.	2.94	2103.	220.	3.83	0.0330	76.	11.	0.17
MILE	71.40	808.44	5852.	2.18	2684.	282.	3.53	0.0400	76.	11.	0.12
MILE	69.30	804.84	5750.	2.55	2258.	342.	2.98	0.0340	76.	6.	0.17
MILE	67.20	799.88	5773.	2.43	2375.	387.	2.77	0.0340	76.	9.	0.17
MILE	65.10	795.49	5844.	2.29	2555.	374.	3.50	0.0320	76.	8.	0.15
MILE	63.00	794.73	5966.	1.62	3683.	350.	4.74	0.0400	76.	14.	0.09
MILE	60.90	794.07	6063.	1.31	4629.	356.	5.73	0.0450	76.	18.	0.06
MILE	58.80	793.76	4182.	0.74	5652.	351.	6.11	0.0400	-1930.	21.	0.03
MILE	57.00	793.74	4255.	0.68	6254.	393.	5.96	0.0200	68.	19.	0.03
MILE	55.00	793.72	4331.	0.68	6370.	454.	6.47	0.0200	70.	20.	0.03
MILE	53.10	793.70	4500.	0.52	8736.	559.	5.94	0.0200	72.	20.	0.02
MILE	51.00	793.67	4897.	0.52	9470.	907.	6.07	0.0200	86.	24.	0.03
MILE	48.30	793.64	5775.	0.46	12609.	1601.	4.92	0.0200	86.	25.	0.03
MILE	46.20	793.64	6228.	0.41	15224.	1792.	6.67	0.0200	76.	32.	0.02
MILE	44.10	793.63	7041.	0.26	27170.	1487.	7.98	0.0300	45.	38.	0.01
MILE	43.70	793.63	7174.	0.51	14104.	1345.	8.26	0.0300	38.	41.	0.03
MILE	42.00	793.61	7691.	0.42	18260.	1312.	6.16	0.0300	83.	44.	0.02
MILE	39.10	793.60	8230.	0.46	17756.	1334.	7.82	0.0230	90.	43.	0.02
MILE	37.00	793.61	8660.	0.28	31184.	1105.	7.17	0.0280	56.	42.	0.01
MILE	36.00	793.60	8836.	0.46	19392.	889.	8.30	0.0280	43.	45.	0.02
MILE	34.60	793.60	9101.	0.31	29593.	1210.	9.58	0.0280	43.	45.	0.01
MILE	33.60	793.60	9399.	0.15	60861.	2112.	8.03	0.0290	56.	51.	0.01
MILE	31.50	793.60	10177.	0.34	30101.	1733.	10.32	0.0250	63.	55.	0.01
MILE	30.10	793.61	10508.	0.33	31659.	871.	9.83	0.0200	45.	53.	0.01
MILE	29.00	793.61	10688.	0.30	35366.	1040.	10.71	0.0200	50.	54.	0.01
MILE	27.30	793.61	10945.	0.30	36726.	1040.	11.12	0.0230	68.	57.	0.01
MILE	25.20	793.62	11230.	0.25	45557.	1038.	11.95	0.0230	76.	59.	0.01
MILE	23.10	793.63	11521.	0.31	37479.	1069.	11.37	0.0230	76.	64.	0.01

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TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.07	11652.	4.99	2336.	364.	3.92	0.0290	76.	9.	0.35
MILE	77.70	823.59	11272.	3.60	3134.	385.	4.40	0.0400	76.	13.	0.22
MILE	75.60	816.88	9958.	3.65	2725.	318.	4.43	0.0400	76.	10.	0.22
MILE	73.50	811.75	8394.	3.45	2434.	243.	4.11	0.0330	76.	13.	0.19
MILE	71.40	809.11	7317.	2.47	2959.	295.	3.74	0.0400	76.	11.	0.14
MILE	69.30	805.15	6545.	2.72	2406.	349.	3.09	0.0340	76.	6.	0.18
MILE	67.20	800.00	6092.	2.49	2445.	393.	2.79	0.0340	76.	9.	0.18
MILE	65.10	795.50	5950.	2.32	2560.	375.	3.50	0.0320	76.	8.	0.16
MILE	63.00	794.70	6027.	1.64	3674.	350.	4.74	0.0400	76.	14.	0.09
MILE	60.90	793.99	6223.	1.35	4602.	355.	5.71	0.0450	76.	17.	0.07
MILE	58.80	793.65	4422.	0.79	5611.	349.	6.09	0.0400	-1930.	21.	0.03
MILE	57.00	793.62	4596.	0.74	6205.	391.	5.94	0.0200	68.	19.	0.03
MILE	55.00	793.60	4832.	0.76	6326.	452.	6.45	0.0200	70.	20.	0.04
MILE	53.10	793.59	5074.	0.59	8668.	557.	5.91	0.0200	72.	20.	0.03
MILE	51.00	793.58	5339.	0.57	9421.	904.	6.06	0.0200	86.	24.	0.03
MILE	48.30	793.57	5637.	0.45	12526.	1597.	4.93	0.0200	86.	25.	0.03
MILE	46.20	793.55	6265.	0.41	15147.	1786.	6.66	0.0200	76.	32.	0.03
MILE	44.10	793.56	6553.	0.24	27080.	1484.	7.96	0.0300	45.	38.	0.01
MILE	43.70	793.55	6594.	0.47	14066.	1342.	8.26	0.0300	38.	41.	0.03
MILE	42.00	793.55	6718.	0.37	18191.	1309.	6.16	0.0300	83.	44.	0.02
MILE	39.10	793.55	6972.	0.39	17710.	1331.	7.81	0.0230	90.	43.	0.02
MILE	37.00	793.55	7235.	0.23	31083.	1102.	7.16	0.0280	56.	42.	0.01
MILE	36.00	793.55	7313.	0.38	19345.	887.	8.30	0.0280	43.	45.	0.01
MILE	34.60	793.55	7397.	0.25	29541.	1207.	9.57	0.0280	43.	45.	0.01
MILE	33.60	793.55	7510.	0.12	60727.	2109.	8.02	0.0290	56.	51.	0.00
MILE	31.50	793.55	7840.	0.26	30054.	1730.	10.31	0.0250	63.	55.	0.01
MILE	30.10	793.55	7913.	0.25	31603.	869.	9.83	0.0200	45.	53.	0.01
MILE	29.00	793.56	7990.	0.23	35313.	1038.	10.71	0.0200	50.	54.	0.01
MILE	27.30	793.56	8183.	0.22	36674.	1038.	11.11	0.0230	68.	56.	0.01
MILE	25.20	793.56	8496.	0.19	45491.	1036.	11.94	0.0230	76.	59.	0.00
MILE	23.10	793.56	8778.	0.23	37413.	1067.	11.36	0.0230	76.	64.	0.01

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TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.28	12063.	5.02	2402.	367.	3.99	0.0290	76.	10.	0.35
MILE	77.70	824.19	11949.	3.58	3340.	403.	4.58	0.0400	76.	13.	0.22
MILE	75.60	818.12	11503.	3.70	3105.	349.	4.74	0.0400	76.	12.	0.22
MILE	73.50	813.11	10684.	3.75	2847.	271.	4.43	0.0330	76.	14.	0.20
MILE	71.40	810.34	9805.	2.83	3469.	316.	4.11	0.0400	76.	13.	0.15

MILE	69.30	806.09	8801.	3.10	2836.	361.	3.41	0.0340	76.	7.	0.20
MILE	67.20	800.61	7710.	2.78	2777.	411.	3.01	0.0340	76.	10.	0.19
MILE	65.10	795.72	6763.	2.56	2646.	385.	3.58	0.0320	76.	9.	0.17
MILE	63.00	794.76	6457.	1.75	3694.	351.	4.75	0.0400	76.	14.	0.09
MILE	60.90	793.96	6402.	1.39	4592.	355.	5.70	0.0450	76.	17.	0.07
MILE	58.80	793.59	4462.	0.80	5590.	349.	6.08	0.0400	-1930.	21.	0.04
MILE	57.00	793.56	4546.	0.74	6179.	390.	5.92	0.0200	68.	19.	0.03
MILE	55.00	793.54	4630.	0.73	6305.	451.	6.44	0.0200	70.	20.	0.03
MILE	53.10	793.53	4680.	0.54	8637.	556.	5.90	0.0200	72.	20.	0.02
MILE	51.00	793.53	4726.	0.50	9398.	903.	6.05	0.0200	86.	24.	0.03
MILE	48.30	793.52	4924.	0.39	12480.	1594.	4.93	0.0200	86.	25.	0.02
MILE	46.20	793.52	5107.	0.34	15122.	1784.	6.65	0.0200	76.	32.	0.02
MILE	44.10	793.52	5406.	0.20	27039.	1482.	7.96	0.0300	45.	38.	0.01
MILE	43.70	793.52	5462.	0.39	14049.	1340.	8.27	0.0300	38.	41.	0.02
MILE	42.00	793.51	5732.	0.32	18143.	1308.	6.16	0.0300	83.	44.	0.01
MILE	39.10	793.50	6329.	0.36	17672.	1329.	7.81	0.0230	90.	42.	0.02
MILE	37.00	793.49	6842.	0.22	31001.	1100.	7.15	0.0280	56.	42.	0.01
MILE	36.00	793.49	7034.	0.36	19299.	885.	8.29	0.0280	43.	44.	0.01
MILE	34.60	793.48	7299.	0.25	29472.	1205.	9.56	0.0280	43.	45.	0.01
MILE	33.60	793.48	7595.	0.13	60529.	2103.	8.01	0.0290	56.	51.	0.00
MILE	31.50	793.48	8362.	0.28	29986.	1725.	10.30	0.0250	63.	55.	0.01
MILE	30.10	793.47	8658.	0.27	31518.	867.	9.81	0.0200	45.	53.	0.01
MILE	29.00	793.47	8870.	0.25	35225.	1035.	10.69	0.0200	50.	54.	0.01
MILE	27.30	793.46	9296.	0.25	36578.	1035.	11.09	0.0230	68.	56.	0.01
MILE	25.20	793.46	9864.	0.22	45378.	1032.	11.92	0.0230	76.	59.	0.01
MILE	23.10	793.45	10319.	0.28	37309.	1063.	11.34	0.0230	76.	63.	0.01

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TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.29	12020.	5.00	2404.	367.	3.99	0.0290	76.	10.	0.34
MILE	77.70	824.35	12038.	3.54	3398.	408.	4.62	0.0400	76.	14.	0.22
MILE	75.60	818.60	11947.	3.67	3257.	361.	4.86	0.0400	76.	12.	0.22
MILE	73.50	813.81	11670.	3.80	3070.	285.	4.59	0.0330	76.	15.	0.20
MILE	71.40	811.14	11292.	2.97	3801.	325.	4.35	0.0400	76.	13.	0.15
MILE	69.30	806.93	10773.	3.34	3230.	371.	3.68	0.0340	76.	8.	0.20
MILE	67.20	801.55	9992.	3.04	3290.	439.	3.34	0.0340	76.	11.	0.20
MILE	65.10	796.47	8699.	2.95	2946.	420.	3.81	0.0320	76.	9.	0.20
MILE	63.00	795.22	7743.	2.01	3858.	365.	4.84	0.0400	76.	14.	0.11
MILE	60.90	794.18	7273.	1.56	4665.	357.	5.76	0.0450	76.	18.	0.08
MILE	58.80	793.69	5121.	0.91	5628.	350.	6.10	0.0400	-1930.	21.	0.04
MILE	57.00	793.64	5070.	0.82	6214.	391.	5.94	0.0200	68.	19.	0.04
MILE	55.00	793.59	5042.	0.80	6324.	452.	6.45	0.0200	70.	20.	0.04
MILE	53.10	793.56	5080.	0.59	8650.	556.	5.91	0.0200	72.	20.	0.03
MILE	51.00	793.52	5221.	0.56	9393.	903.	6.05	0.0200	86.	24.	0.03
MILE	48.30	793.48	5661.	0.46	12434.	1592.	4.93	0.0200	86.	25.	0.03

MILE	46.20	793.46	6061.	0.40	15065.	1780.	6.64	0.0200	76.	32.	0.02
MILE	44.10	793.45	6585.	0.24	26949.	1478.	7.95	0.0300	45.	38.	0.01
MILE	43.70	793.44	6675.	0.48	14009.	1337.	8.27	0.0300	38.	40.	0.03
MILE	42.00	793.42	7064.	0.39	18035.	1303.	6.17	0.0300	83.	43.	0.02
MILE	39.10	793.39	7588.	0.43	17587.	1324.	7.80	0.0230	90.	42.	0.02
MILE	37.00	793.39	7737.	0.25	30838.	1096.	7.12	0.0280	56.	42.	0.01
MILE	36.00	793.39	7809.	0.41	19221.	882.	8.29	0.0280	43.	44.	0.02
MILE	34.60	793.39	7942.	0.27	29379.	1201.	9.55	0.0280	43.	45.	0.01
MILE	33.60	793.39	8104.	0.13	60284.	2097.	7.99	0.0290	56.	50.	0.00
MILE	31.50	793.38	8569.	0.29	29905.	1720.	10.29	0.0250	63.	55.	0.01
MILE	30.10	793.38	8838.	0.28	31422.	864.	9.79	0.0200	45.	53.	0.01
MILE	29.00	793.38	8970.	0.26	35135.	1032.	10.68	0.0200	50.	54.	0.01
MILE	27.30	793.38	9109.	0.25	36499.	1032.	11.08	0.0230	68.	56.	0.01
MILE	25.20	793.39	9258.	0.20	45302.	1030.	11.91	0.0230	76.	59.	0.01
MILE	23.10	793.39	9481.	0.25	37252.	1060.	11.33	0.0230	76.	63.	0.01

0DATE 5-12-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.27	11975.	4.99	2398.	367.	3.98	0.0290	76.	10.	0.34
MILE	77.70	824.40	12039.	3.53	3414.	410.	4.64	0.0400	76.	14.	0.22
MILE	75.60	818.78	12068.	3.64	3314.	366.	4.90	0.0400	76.	12.	0.21
MILE	73.50	814.11	12013.	3.80	3163.	291.	4.65	0.0330	76.	15.	0.20
MILE	71.40	811.49	11900.	3.01	3947.	329.	4.45	0.0400	76.	14.	0.15
MILE	69.30	807.35	11707.	3.41	3430.	377.	3.81	0.0340	76.	9.	0.20
MILE	67.20	802.18	11342.	3.11	3642.	458.	3.55	0.0340	76.	11.	0.19
MILE	65.10	797.35	10483.	3.17	3302.	460.	4.08	0.0320	76.	10.	0.21
MILE	63.00	795.91	9494.	2.31	4108.	399.	4.99	0.0400	76.	15.	0.13
MILE	60.90	794.50	8970.	1.88	4771.	361.	5.83	0.0450	76.	18.	0.09
MILE	58.80	793.75	6874.	1.22	5649.	351.	6.10	0.0400	-1930.	21.	0.05
MILE	57.00	793.67	6924.	1.11	6224.	392.	5.95	0.0200	68.	19.	0.05
MILE	55.00	793.58	7013.	1.11	6321.	452.	6.45	0.0200	70.	20.	0.05
MILE	53.10	793.53	7117.	0.82	8636.	556.	5.90	0.0200	72.	20.	0.04
MILE	51.00	793.49	7217.	0.77	9377.	902.	6.04	0.0200	86.	24.	0.04
MILE	48.30	793.44	7208.	0.58	12397.	1590.	4.93	0.0200	86.	25.	0.04
MILE	46.20	793.42	7364.	0.49	15033.	1778.	6.63	0.0200	76.	32.	0.03
MILE	44.10	793.41	7478.	0.28	26911.	1476.	7.94	0.0300	45.	38.	0.01
MILE	43.70	793.41	7495.	0.54	13992.	1335.	8.28	0.0300	38.	40.	0.03
MILE	42.00	793.39	7556.	0.42	18001.	1302.	6.17	0.0300	83.	43.	0.02
MILE	39.10	793.36	7944.	0.45	17557.	1323.	7.80	0.0230	90.	42.	0.02
MILE	37.00	793.34	8597.	0.28	30746.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.32	8888.	0.46	19169.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.31	9304.	0.32	29306.	1197.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.31	9649.	0.16	60079.	2091.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.30	10338.	0.35	29830.	1715.	10.27	0.0250	63.	55.	0.01
MILE	30.10	793.29	10710.	0.34	31331.	861.	9.78	0.0200	45.	52.	0.01

MILE	29.00	793.29	10965.	0.31	35044.	1028.	10.66	0.0200	50.	54.	0.01
MILE	27.30	793.28	11418.	0.31	36400.	1028.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.27	11949.	0.26	45175.	1026.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.25	12574.	0.34	37120.	1055.	11.31	0.0230	76.	63.	0.01

0DATE 5-12-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.24	11925.	4.99	2391.	366.	3.98	0.0290	76.	10.	0.34
MILE	77.70	824.40	12000.	3.52	3414.	410.	4.64	0.0400	76.	14.	0.21
MILE	75.60	818.83	12067.	3.62	3330.	367.	4.91	0.0400	76.	12.	0.21
MILE	73.50	814.21	12101.	3.79	3196.	293.	4.67	0.0330	76.	15.	0.20
MILE	71.40	811.62	12105.	3.02	4002.	330.	4.49	0.0400	76.	14.	0.15
MILE	69.30	807.53	12072.	3.43	3514.	379.	3.87	0.0340	76.	9.	0.20
MILE	67.20	802.52	11944.	3.12	3830.	468.	3.65	0.0340	76.	12.	0.19
MILE	65.10	797.96	11486.	3.23	3551.	488.	4.25	0.0320	76.	11.	0.21
MILE	63.00	796.45	10825.	2.51	4307.	426.	5.11	0.0400	76.	15.	0.14
MILE	60.90	794.76	10396.	2.14	4861.	364.	5.89	0.0450	76.	18.	0.10
MILE	58.80	793.80	8251.	1.46	5667.	351.	6.11	0.0400	-1930.	21.	0.06
MILE	57.00	793.70	8244.	1.32	6239.	392.	5.95	0.0200	68.	19.	0.06
MILE	55.00	793.60	8257.	1.30	6328.	452.	6.45	0.0200	70.	20.	0.06
MILE	53.10	793.55	8289.	0.96	8644.	556.	5.91	0.0200	72.	20.	0.04
MILE	51.00	793.49	8382.	0.89	9377.	901.	6.04	0.0200	86.	24.	0.05
MILE	48.30	793.41	8871.	0.72	12364.	1588.	4.93	0.0200	86.	24.	0.05
MILE	46.20	793.37	9441.	0.63	14990.	1775.	6.62	0.0200	76.	32.	0.04
MILE	44.10	793.35	9934.	0.37	26840.	1473.	7.93	0.0300	45.	38.	0.02
MILE	43.70	793.34	10022.	0.72	13959.	1332.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.30	10435.	0.58	17898.	1298.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.24	11136.	0.64	17462.	1317.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.24	11148.	0.36	30585.	1090.	7.09	0.0280	56.	42.	0.01
MILE	36.00	793.23	11190.	0.59	19092.	877.	8.27	0.0280	43.	44.	0.02
MILE	34.60	793.22	11315.	0.39	29212.	1193.	9.53	0.0280	43.	45.	0.01
MILE	33.60	793.22	11450.	0.19	59828.	2084.	7.95	0.0290	56.	50.	0.01
MILE	31.50	793.21	11799.	0.40	29749.	1709.	10.26	0.0250	63.	54.	0.02
MILE	30.10	793.20	12051.	0.39	31239.	858.	9.76	0.0200	45.	52.	0.01
MILE	29.00	793.20	12178.	0.35	34957.	1025.	10.65	0.0200	50.	54.	0.01
MILE	27.30	793.20	12322.	0.34	36318.	1025.	11.05	0.0230	68.	56.	0.01
MILE	25.20	793.20	12513.	0.28	45095.	1023.	11.88	0.0230	76.	59.	0.01
MILE	23.10	793.20	12711.	0.34	37072.	1053.	11.30	0.0230	76.	63.	0.01

0DATE 5-12-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.23	11871.	4.98	2386.	366.	3.97	0.0290	76.	10.	0.34
MILE	77.70	824.38	11947.	3.51	3407.	409.	4.63	0.0400	76.	14.	0.21
MILE	75.60	818.83	12027.	3.61	3329.	367.	4.91	0.0400	76.	12.	0.21
MILE	73.50	814.23	12097.	3.78	3203.	293.	4.68	0.0330	76.	15.	0.20
MILE	71.40	811.65	12152.	3.02	4018.	331.	4.50	0.0400	76.	14.	0.15
MILE	69.30	807.59	12191.	3.44	3547.	380.	3.89	0.0340	76.	9.	0.20
MILE	67.20	802.68	12179.	3.10	3923.	473.	3.71	0.0340	76.	12.	0.19
MILE	65.10	798.33	11965.	3.23	3700.	505.	4.36	0.0320	76.	11.	0.21
MILE	63.00	796.81	11585.	2.61	4441.	443.	5.19	0.0400	76.	16.	0.15
MILE	60.90	794.96	11362.	2.31	4926.	366.	5.94	0.0450	76.	18.	0.11
MILE	58.80	793.80	9408.	1.66	5666.	351.	6.11	0.0400	-1930.	21.	0.07
MILE	57.00	793.68	9540.	1.53	6227.	392.	5.95	0.0200	68.	19.	0.07
MILE	55.00	793.55	9699.	1.54	6308.	451.	6.44	0.0200	70.	20.	0.07
MILE	53.10	793.48	9875.	1.15	8602.	554.	5.89	0.0200	72.	20.	0.05
MILE	51.00	793.41	10113.	1.08	9336.	899.	6.03	0.0200	86.	24.	0.06
MILE	48.30	793.34	10390.	0.85	12283.	1584.	4.94	0.0200	86.	24.	0.05
MILE	46.20	793.31	10557.	0.71	14931.	1771.	6.61	0.0200	76.	32.	0.04
MILE	44.10	793.30	10923.	0.41	26772.	1470.	7.92	0.0300	45.	38.	0.02
MILE	43.70	793.29	10976.	0.79	13930.	1329.	8.29	0.0300	38.	40.	0.04
MILE	42.00	793.26	11122.	0.62	17843.	1296.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.22	11094.	0.64	17447.	1316.	7.78	0.0230	90.	42.	0.03
MILE	37.00	793.21	11284.	0.37	30549.	1089.	7.08	0.0280	56.	42.	0.01
MILE	36.00	793.21	11351.	0.60	19076.	876.	8.27	0.0280	43.	44.	0.02
MILE	34.60	793.20	11417.	0.39	29200.	1193.	9.52	0.0280	43.	45.	0.01
MILE	33.60	793.21	11455.	0.19	59801.	2083.	7.95	0.0290	56.	50.	0.01
MILE	31.50	793.20	11505.	0.39	29740.	1709.	10.26	0.0250	63.	54.	0.02
MILE	30.10	793.20	11483.	0.37	31235.	858.	9.76	0.0200	45.	52.	0.01
MILE	29.00	793.20	11486.	0.33	34959.	1025.	10.65	0.0200	50.	54.	0.01
MILE	27.30	793.20	11494.	0.32	36326.	1025.	11.06	0.0230	68.	56.	0.01
MILE	25.20	793.20	11490.	0.25	45104.	1023.	11.89	0.0230	76.	59.	0.01
MILE	23.10	793.20	11623.	0.31	37072.	1053.	11.30	0.0230	76.	63.	0.01

0DATE 5-12-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.23	11869.	4.97	2388.	366.	3.97	0.0290	76.	10.	0.34
MILE	77.70	824.38	11940.	3.51	3406.	409.	4.63	0.0400	76.	14.	0.21
MILE	75.60	818.82	12009.	3.61	3326.	367.	4.91	0.0400	76.	12.	0.21
MILE	73.50	814.23	12078.	3.77	3202.	293.	4.68	0.0330	76.	15.	0.20
MILE	71.40	811.66	12145.	3.02	4019.	331.	4.50	0.0400	76.	14.	0.15
MILE	69.30	807.61	12207.	3.43	3556.	380.	3.89	0.0340	76.	9.	0.20
MILE	67.20	802.76	12245.	3.09	3965.	475.	3.73	0.0340	76.	12.	0.19
MILE	65.10	798.52	12180.	3.22	3778.	514.	4.41	0.0320	76.	12.	0.21

MILE	63.00	796.99	12031.	2.67	4509.	452.	5.23	0.0400	76.	16.	0.15
MILE	60.90	795.03	11954.	2.42	4950.	368.	5.96	0.0450	76.	19.	0.12
MILE	58.80	793.76	9966.	1.76	5653.	351.	6.11	0.0400	-1930.	21.	0.08
MILE	57.00	793.64	10020.	1.61	6210.	391.	5.94	0.0200	68.	19.	0.07
MILE	55.00	793.51	10103.	1.61	6293.	451.	6.44	0.0200	70.	20.	0.08
MILE	53.10	793.44	10182.	1.19	8581.	554.	5.89	0.0200	72.	20.	0.05
MILE	51.00	793.38	10239.	1.10	9323.	898.	6.03	0.0200	86.	24.	0.06
MILE	48.30	793.32	10237.	0.83	12267.	1583.	4.94	0.0200	86.	24.	0.05
MILE	46.20	793.29	10428.	0.70	14918.	1770.	6.61	0.0200	76.	31.	0.04
MILE	44.10	793.29	10403.	0.39	26763.	1470.	7.92	0.0300	45.	38.	0.02
MILE	43.70	793.28	10403.	0.75	13928.	1329.	8.29	0.0300	38.	40.	0.04
MILE	42.00	793.26	10428.	0.58	17846.	1296.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.22	10558.	0.61	17447.	1316.	7.78	0.0230	90.	42.	0.03
MILE	37.00	793.22	10450.	0.34	30561.	1090.	7.08	0.0280	56.	42.	0.01
MILE	36.00	793.22	10416.	0.55	19084.	877.	8.27	0.0280	43.	44.	0.02
MILE	34.60	793.22	10378.	0.36	29212.	1193.	9.53	0.0280	43.	45.	0.01
MILE	33.60	793.22	10333.	0.17	59835.	2084.	7.95	0.0290	56.	50.	0.01
MILE	31.50	793.22	10217.	0.34	29755.	1710.	10.26	0.0250	63.	54.	0.01
MILE	30.10	793.22	10149.	0.32	31255.	859.	9.76	0.0200	45.	52.	0.01
MILE	29.00	793.22	10119.	0.29	34978.	1026.	10.65	0.0200	50.	54.	0.01
MILE	27.30	793.22	10087.	0.28	36344.	1026.	11.06	0.0230	68.	56.	0.01
MILE	25.20	793.23	10161.	0.23	45128.	1024.	11.89	0.0230	76.	59.	0.01
MILE	23.10	793.23	10141.	0.27	37101.	1055.	11.31	0.0230	76.	63.	0.01

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TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.24	11870.	4.96	2391.	366.	3.98	0.0290	76.	10.	0.34
MILE	77.70	824.38	11939.	3.51	3406.	409.	4.63	0.0400	76.	14.	0.21
MILE	75.60	818.82	12004.	3.61	3326.	367.	4.91	0.0400	76.	12.	0.21
MILE	73.50	814.22	12068.	3.77	3201.	293.	4.68	0.0330	76.	15.	0.20
MILE	71.40	811.65	12135.	3.02	4017.	331.	4.50	0.0400	76.	14.	0.15
MILE	69.30	807.61	12200.	3.43	3557.	380.	3.89	0.0340	76.	9.	0.20
MILE	67.20	802.79	12259.	3.08	3982.	476.	3.74	0.0340	76.	12.	0.19
MILE	65.10	798.61	12269.	3.22	3816.	518.	4.44	0.0320	76.	12.	0.21
MILE	63.00	797.09	12225.	2.69	4545.	457.	5.25	0.0400	76.	16.	0.15
MILE	60.90	795.09	12197.	2.45	4973.	371.	5.97	0.0450	76.	19.	0.12
MILE	58.80	793.79	10208.	1.80	5663.	351.	6.11	0.0400	-1930.	21.	0.08
MILE	57.00	793.66	10245.	1.65	6221.	392.	5.94	0.0200	68.	19.	0.07
MILE	55.00	793.53	10276.	1.63	6302.	451.	6.44	0.0200	70.	20.	0.08
MILE	53.10	793.47	10286.	1.20	8596.	554.	5.89	0.0200	72.	20.	0.05
MILE	51.00	793.40	10271.	1.10	9335.	899.	6.03	0.0200	86.	24.	0.06
MILE	48.30	793.34	10183.	0.83	12289.	1584.	4.94	0.0200	86.	24.	0.05
MILE	46.20	793.32	9889.	0.66	14944.	1772.	6.62	0.0200	76.	32.	0.04
MILE	44.10	793.32	9768.	0.36	26795.	1471.	7.92	0.0300	45.	38.	0.02
MILE	43.70	793.31	9751.	0.70	13942.	1331.	8.28	0.0300	38.	40.	0.04

MILE	42.00	793.29	9691.	0.54	17879.	1297.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.25	9620.	0.55	17475.	1318.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.25	9783.	0.32	30604.	1091.	7.09	0.0280	56.	42.	0.01
MILE	36.00	793.24	9842.	0.52	19102.	877.	8.27	0.0280	43.	44.	0.02
MILE	34.60	793.23	9913.	0.34	29227.	1194.	9.53	0.0280	43.	45.	0.01
MILE	33.60	793.23	9983.	0.17	59870.	2085.	7.96	0.0290	56.	50.	0.01
MILE	31.50	793.23	10165.	0.34	29764.	1710.	10.26	0.0250	63.	54.	0.01
MILE	30.10	793.22	10222.	0.33	31259.	859.	9.76	0.0200	45.	52.	0.01
MILE	29.00	793.22	10287.	0.29	34979.	1026.	10.65	0.0200	50.	54.	0.01
MILE	27.30	793.22	10424.	0.29	36340.	1026.	11.06	0.0230	68.	56.	0.01
MILE	25.20	793.21	10556.	0.23	45115.	1024.	11.89	0.0230	76.	59.	0.01
MILE	23.10	793.21	10703.	0.29	37082.	1054.	11.31	0.0230	76.	63.	0.01

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TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.25	11849.	4.96	2391.	366.	3.98	0.0290	76.	10.	0.34
MILE	77.70	824.37	11920.	3.50	3404.	409.	4.63	0.0400	76.	14.	0.21
MILE	75.60	818.81	11991.	3.61	3324.	367.	4.91	0.0400	76.	12.	0.21
MILE	73.50	814.22	12061.	3.77	3199.	293.	4.67	0.0330	76.	15.	0.20
MILE	71.40	811.65	12132.	3.02	4016.	331.	4.50	0.0400	76.	14.	0.15
MILE	69.30	807.62	12202.	3.43	3558.	380.	3.89	0.0340	76.	9.	0.20
MILE	67.20	802.80	12268.	3.07	3991.	476.	3.74	0.0340	76.	12.	0.19
MILE	65.10	798.66	12307.	3.21	3837.	520.	4.45	0.0320	76.	12.	0.21
MILE	63.00	797.15	12310.	2.69	4568.	460.	5.26	0.0400	76.	16.	0.15
MILE	60.90	795.15	12311.	2.47	4992.	373.	5.98	0.0450	76.	19.	0.12
MILE	58.80	793.84	10311.	1.81	5681.	352.	6.11	0.0400	-1930.	21.	0.08
MILE	57.00	793.71	10306.	1.65	6243.	392.	5.96	0.0200	68.	19.	0.07
MILE	55.00	793.59	10300.	1.63	6322.	452.	6.45	0.0200	70.	20.	0.08
MILE	53.10	793.52	10305.	1.19	8628.	555.	5.90	0.0200	72.	20.	0.05
MILE	51.00	793.45	10312.	1.10	9359.	900.	6.04	0.0200	86.	24.	0.06
MILE	48.30	793.38	10322.	0.84	12330.	1586.	4.93	0.0200	86.	24.	0.05
MILE	46.20	793.35	10404.	0.70	14966.	1773.	6.62	0.0200	76.	32.	0.04
MILE	44.10	793.34	10420.	0.39	26819.	1472.	7.93	0.0300	45.	38.	0.02
MILE	43.70	793.33	10425.	0.75	13951.	1331.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.30	10460.	0.58	17890.	1298.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.25	10500.	0.60	17473.	1318.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.25	10340.	0.34	30604.	1091.	7.09	0.0280	56.	42.	0.01
MILE	36.00	793.24	10289.	0.54	19104.	877.	8.27	0.0280	43.	44.	0.02
MILE	34.60	793.24	10231.	0.35	29234.	1194.	9.53	0.0280	43.	45.	0.01
MILE	33.60	793.24	10172.	0.17	59894.	2086.	7.96	0.0290	56.	50.	0.01
MILE	31.50	793.24	10054.	0.34	29772.	1711.	10.26	0.0250	63.	54.	0.01
MILE	30.10	793.23	10037.	0.32	31270.	859.	9.77	0.0200	45.	52.	0.01
MILE	29.00	793.23	10009.	0.29	34991.	1026.	10.65	0.0200	50.	54.	0.01
MILE	27.30	793.24	9919.	0.27	36356.	1026.	11.06	0.0230	68.	56.	0.01
MILE	25.20	793.24	9867.	0.22	45142.	1025.	11.89	0.0230	76.	59.	0.01

MILE 23.10 793.24 9827. 0.26 37110. 1055. 11.31 0.0230 76. 63. 0.01

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TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.24	11811.	4.94	2389.	366.	3.97	0.0290	76.	10.	0.34
MILE	77.70	824.36	11887.	3.50	3400.	408.	4.63	0.0400	76.	14.	0.21
MILE	75.60	818.80	11967.	3.60	3321.	367.	4.90	0.0400	76.	12.	0.21
MILE	73.50	814.21	12047.	3.77	3198.	293.	4.67	0.0330	76.	15.	0.20
MILE	71.40	811.65	12125.	3.02	4015.	330.	4.50	0.0400	76.	14.	0.15
MILE	69.30	807.62	12201.	3.43	3558.	380.	3.90	0.0340	76.	9.	0.20
MILE	67.20	802.81	12273.	3.07	3996.	477.	3.75	0.0340	76.	12.	0.19
MILE	65.10	798.69	12325.	3.20	3850.	522.	4.46	0.0320	76.	12.	0.21
MILE	63.00	797.19	12347.	2.69	4584.	462.	5.27	0.0400	76.	16.	0.15
MILE	60.90	795.19	12377.	2.47	5007.	375.	6.00	0.0450	76.	19.	0.12
MILE	58.80	793.86	10440.	1.83	5691.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.73	10512.	1.68	6252.	393.	5.96	0.0200	68.	19.	0.07
MILE	55.00	793.60	10591.	1.67	6326.	452.	6.45	0.0200	70.	20.	0.08
MILE	53.10	793.53	10654.	1.23	8633.	555.	5.90	0.0200	72.	20.	0.06
MILE	51.00	793.46	10694.	1.14	9363.	901.	6.04	0.0200	86.	24.	0.06
MILE	48.30	793.40	10616.	0.86	12345.	1587.	4.93	0.0200	86.	24.	0.05
MILE	46.20	793.37	10470.	0.70	14986.	1775.	6.62	0.0200	76.	32.	0.04
MILE	44.10	793.37	10391.	0.39	26852.	1474.	7.93	0.0300	45.	38.	0.02
MILE	43.70	793.36	10377.	0.74	13966.	1333.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.33	10294.	0.57	17932.	1299.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.29	10176.	0.58	17508.	1320.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.29	10262.	0.33	30670.	1092.	7.10	0.0280	56.	42.	0.01
MILE	36.00	793.28	10320.	0.54	19134.	879.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.27	10403.	0.36	29267.	1196.	9.53	0.0280	43.	45.	0.01
MILE	33.60	793.27	10424.	0.17	59979.	2088.	7.96	0.0290	56.	50.	0.01
MILE	31.50	793.27	10364.	0.35	29802.	1713.	10.27	0.0250	63.	54.	0.01
MILE	30.10	793.27	10358.	0.33	31303.	860.	9.77	0.0200	45.	52.	0.01
MILE	29.00	793.26	10380.	0.30	35020.	1028.	10.66	0.0200	50.	54.	0.01
MILE	27.30	793.26	10427.	0.29	36381.	1027.	11.06	0.0230	68.	56.	0.01
MILE	25.20	793.26	10463.	0.23	45161.	1025.	11.89	0.0230	76.	59.	0.01
MILE	23.10	793.25	10567.	0.28	37119.	1055.	11.31	0.0230	76.	63.	0.01

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TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.23	11785.	4.94	2387.	366.	3.97	0.0290	76.	10.	0.34

MILE	77.70	824.35	11862.	3.49	3396.	408.	4.62	0.0400	76.	14.	0.21
MILE	75.60	818.79	11944.	3.60	3317.	366.	4.90	0.0400	76.	12.	0.21
MILE	73.50	814.20	12028.	3.76	3195.	293.	4.67	0.0330	76.	15.	0.20
MILE	71.40	811.64	12109.	3.02	4012.	330.	4.50	0.0400	76.	14.	0.15
MILE	69.30	807.61	12189.	3.43	3557.	380.	3.89	0.0340	76.	9.	0.20
MILE	67.20	802.81	12266.	3.07	3998.	477.	3.75	0.0340	76.	12.	0.19
MILE	65.10	798.71	12331.	3.20	3857.	523.	4.46	0.0320	76.	12.	0.21
MILE	63.00	797.21	12383.	2.70	4591.	463.	5.27	0.0400	76.	16.	0.15
MILE	60.90	795.21	12428.	2.48	5012.	376.	6.00	0.0450	76.	19.	0.12
MILE	58.80	793.88	10458.	1.84	5697.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.75	10480.	1.67	6261.	393.	5.96	0.0200	68.	19.	0.07
MILE	55.00	793.63	10502.	1.66	6336.	453.	6.45	0.0200	70.	20.	0.08
MILE	53.10	793.56	10518.	1.22	8651.	556.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.49	10522.	1.12	9380.	902.	6.04	0.0200	86.	24.	0.06
MILE	48.30	793.42	10544.	0.85	12375.	1589.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.39	10608.	0.71	15006.	1776.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.39	10608.	0.39	26876.	1475.	7.93	0.0300	45.	38.	0.02
MILE	43.70	793.38	10613.	0.76	13975.	1334.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.35	10670.	0.59	17946.	1300.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.30	10843.	0.62	17509.	1320.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.29	10795.	0.35	30674.	1092.	7.10	0.0280	56.	42.	0.01
MILE	36.00	793.28	10789.	0.56	19137.	879.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.28	10794.	0.37	29273.	1196.	9.53	0.0280	43.	45.	0.01
MILE	33.60	793.28	10788.	0.18	59996.	2089.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.27	10778.	0.36	29806.	1713.	10.27	0.0250	63.	54.	0.02
MILE	30.10	793.27	10843.	0.35	31309.	860.	9.77	0.0200	45.	52.	0.01
MILE	29.00	793.27	10875.	0.31	35027.	1028.	10.66	0.0200	50.	54.	0.01
MILE	27.30	793.27	10881.	0.30	36389.	1028.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.27	10881.	0.24	45175.	1026.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.27	10877.	0.29	37138.	1056.	11.31	0.0230	76.	63.	0.01

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TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.22	11752.	4.93	2383.	366.	3.97	0.0290	76.	10.	0.34
MILE	77.70	824.33	11831.	3.49	3390.	408.	4.62	0.0400	76.	14.	0.21
MILE	75.60	818.78	11917.	3.60	3313.	366.	4.90	0.0400	76.	12.	0.21
MILE	73.50	814.19	12004.	3.76	3191.	293.	4.67	0.0330	76.	15.	0.20
MILE	71.40	811.63	12088.	3.02	4009.	330.	4.50	0.0400	76.	14.	0.15
MILE	69.30	807.61	12170.	3.42	3554.	380.	3.89	0.0340	76.	9.	0.20
MILE	67.20	802.81	12252.	3.07	3997.	477.	3.75	0.0340	76.	12.	0.19
MILE	65.10	798.72	12326.	3.19	3862.	523.	4.47	0.0320	76.	12.	0.21
MILE	63.00	797.22	12382.	2.69	4597.	464.	5.27	0.0400	76.	16.	0.15
MILE	60.90	795.23	12435.	2.48	5021.	377.	6.00	0.0450	76.	19.	0.12
MILE	58.80	793.90	10501.	1.84	5706.	353.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.77	10565.	1.69	6270.	393.	5.97	0.0200	68.	19.	0.07

MILE	55.00	793.64	10635.	1.68	6342.	453.	6.45	0.0200	70.	20.	0.08
MILE	53.10	793.57	10701.	1.24	8658.	556.	5.91	0.0200	72.	20.	0.06
MILE	51.00	793.50	10776.	1.15	9383.	902.	6.04	0.0200	86.	24.	0.06
MILE	48.30	793.43	10840.	0.88	12381.	1589.	4.93	0.0200	86.	25.	0.06
MILE	46.20	793.40	10787.	0.72	15014.	1777.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.39	10829.	0.40	26887.	1475.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.39	10835.	0.78	13980.	1334.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.36	10839.	0.60	17960.	1300.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.31	10819.	0.62	17523.	1321.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.30	10948.	0.36	30696.	1093.	7.10	0.0280	56.	42.	0.01
MILE	36.00	793.30	10999.	0.57	19147.	879.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.29	11062.	0.38	29285.	1197.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.29	11111.	0.19	60026.	2090.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.28	11203.	0.38	29815.	1714.	10.27	0.0250	63.	54.	0.02
MILE	30.10	793.28	11205.	0.36	31319.	861.	9.77	0.0200	45.	52.	0.01
MILE	29.00	793.28	11231.	0.32	35037.	1028.	10.66	0.0200	50.	54.	0.01
MILE	27.30	793.28	11304.	0.31	36398.	1028.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.27	11393.	0.25	45180.	1026.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.27	11472.	0.31	37138.	1056.	11.32	0.0230	76.	63.	0.01

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TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.21	11717.	4.92	2379.	366.	3.97	0.0290	76.	10.	0.34
MILE	77.70	824.31	11797.	3.49	3384.	407.	4.61	0.0400	76.	14.	0.21
MILE	75.60	818.76	11885.	3.59	3307.	365.	4.89	0.0400	76.	12.	0.21
MILE	73.50	814.18	11975.	3.76	3187.	292.	4.67	0.0330	76.	15.	0.20
MILE	71.40	811.62	12062.	3.01	4004.	330.	4.49	0.0400	76.	14.	0.15
MILE	69.30	807.60	12147.	3.42	3550.	380.	3.89	0.0340	76.	9.	0.20
MILE	67.20	802.81	12232.	3.06	3994.	477.	3.75	0.0340	76.	12.	0.19
MILE	65.10	798.72	12313.	3.19	3863.	523.	4.47	0.0320	76.	12.	0.21
MILE	63.00	797.23	12386.	2.69	4599.	464.	5.28	0.0400	76.	16.	0.15
MILE	60.90	795.23	12457.	2.48	5022.	377.	6.01	0.0450	76.	19.	0.12
MILE	58.80	793.90	10521.	1.84	5707.	353.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.78	10571.	1.69	6271.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.65	10628.	1.68	6344.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.58	10684.	1.23	8662.	556.	5.91	0.0200	72.	20.	0.06
MILE	51.00	793.51	10743.	1.14	9388.	902.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.44	10825.	0.87	12391.	1589.	4.93	0.0200	86.	25.	0.06
MILE	46.20	793.40	10968.	0.73	15018.	1777.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.40	11024.	0.41	26893.	1475.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.39	11037.	0.79	13982.	1334.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.36	11104.	0.62	17962.	1301.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.31	11269.	0.64	17518.	1320.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.30	11302.	0.37	30693.	1093.	7.10	0.0280	56.	42.	0.01
MILE	36.00	793.29	11310.	0.59	19146.	879.	8.28	0.0280	43.	44.	0.02

MILE	34.60	793.29	11318.	0.39	29283.	1197.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.29	11334.	0.19	60024.	2089.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.29	11405.	0.38	29816.	1714.	10.27	0.0250	63.	54.	0.02
MILE	30.10	793.28	11429.	0.36	31321.	861.	9.77	0.0200	45.	52.	0.01
MILE	29.00	793.28	11452.	0.33	35039.	1028.	10.66	0.0200	50.	54.	0.01
MILE	27.30	793.28	11497.	0.32	36401.	1028.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.28	11580.	0.26	45186.	1026.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.28	11598.	0.31	37148.	1056.	11.32	0.0230	76.	63.	0.01

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TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.19	11682.	4.92	2375.	366.	3.96	0.0290	76.	9.	0.34
MILE	77.70	824.30	11763.	3.48	3378.	407.	4.61	0.0400	76.	14.	0.21
MILE	75.60	818.74	11852.	3.59	3301.	365.	4.89	0.0400	76.	12.	0.21
MILE	73.50	814.16	11944.	3.75	3182.	292.	4.66	0.0330	76.	15.	0.20
MILE	71.40	811.61	12032.	3.01	3999.	330.	4.49	0.0400	76.	14.	0.15
MILE	69.30	807.59	12119.	3.42	3545.	380.	3.89	0.0340	76.	9.	0.20
MILE	67.20	802.80	12206.	3.06	3990.	476.	3.74	0.0340	76.	12.	0.19
MILE	65.10	798.72	12294.	3.18	3861.	523.	4.47	0.0320	76.	12.	0.21
MILE	63.00	797.23	12374.	2.69	4599.	464.	5.28	0.0400	76.	16.	0.15
MILE	60.90	795.24	12450.	2.48	5024.	377.	6.01	0.0450	76.	19.	0.12
MILE	58.80	793.91	10532.	1.85	5708.	353.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.78	10607.	1.69	6272.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.65	10689.	1.69	6344.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.57	10762.	1.24	8661.	556.	5.91	0.0200	72.	20.	0.06
MILE	51.00	793.51	10845.	1.16	9386.	902.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.43	10951.	0.88	12387.	1589.	4.93	0.0200	86.	25.	0.06
MILE	46.20	793.40	10969.	0.73	15018.	1777.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.40	11047.	0.41	26893.	1475.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.39	11060.	0.79	13982.	1334.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.36	11101.	0.62	17965.	1301.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.32	11114.	0.63	17526.	1321.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.31	11188.	0.36	30707.	1093.	7.10	0.0280	56.	42.	0.01
MILE	36.00	793.30	11215.	0.59	19153.	879.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.30	11238.	0.38	29294.	1197.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.30	11250.	0.19	60053.	2090.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.30	11278.	0.38	29826.	1714.	10.27	0.0250	63.	54.	0.02
MILE	30.10	793.29	11293.	0.36	31332.	861.	9.78	0.0200	45.	52.	0.01
MILE	29.00	793.29	11312.	0.32	35050.	1029.	10.66	0.0200	50.	54.	0.01
MILE	27.30	793.29	11341.	0.31	36412.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.29	11373.	0.25	45200.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.29	11427.	0.31	37157.	1057.	11.32	0.0230	76.	63.	0.01

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TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.18	11647.	4.91	2371.	366.	3.96	0.0290	76.	9.	0.34
MILE	77.70	824.28	11728.	3.48	3372.	406.	4.60	0.0400	76.	14.	0.21
MILE	75.60	818.72	11818.	3.59	3295.	364.	4.88	0.0400	76.	12.	0.21
MILE	73.50	814.15	11910.	3.75	3177.	292.	4.66	0.0330	76.	15.	0.20
MILE	71.40	811.60	11999.	3.01	3993.	330.	4.48	0.0400	76.	14.	0.15
MILE	69.30	807.58	12088.	3.41	3540.	379.	3.88	0.0340	76.	9.	0.20
MILE	67.20	802.79	12177.	3.06	3984.	476.	3.74	0.0340	76.	12.	0.19
MILE	65.10	798.71	12269.	3.18	3858.	523.	4.46	0.0320	76.	12.	0.21
MILE	63.00	797.22	12360.	2.69	4597.	464.	5.27	0.0400	76.	16.	0.15
MILE	60.90	795.23	12445.	2.48	5021.	377.	6.01	0.0450	76.	19.	0.12
MILE	58.80	793.90	10522.	1.84	5706.	353.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.78	10581.	1.69	6270.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.65	10646.	1.68	6344.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.58	10707.	1.24	8662.	556.	5.91	0.0200	72.	20.	0.06
MILE	51.00	793.51	10767.	1.15	9388.	902.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.44	10813.	0.87	12394.	1590.	4.93	0.0200	86.	25.	0.06
MILE	46.20	793.41	10872.	0.72	15024.	1777.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.41	10890.	0.40	26902.	1476.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.40	10896.	0.78	13986.	1335.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.37	10929.	0.61	17975.	1301.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.32	11015.	0.63	17532.	1321.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.32	11029.	0.36	30721.	1093.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.31	11053.	0.58	19160.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.31	11098.	0.38	29301.	1197.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.31	11111.	0.18	60074.	2091.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.31	11104.	0.37	29834.	1715.	10.27	0.0250	63.	55.	0.02
MILE	30.10	793.30	11149.	0.36	31341.	861.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.30	11180.	0.32	35058.	1029.	10.66	0.0200	50.	54.	0.01
MILE	27.30	793.30	11208.	0.31	36420.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.30	11249.	0.25	45210.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.30	11305.	0.30	37167.	1057.	11.32	0.0230	76.	63.	0.01

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TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.16	11606.	4.91	2366.	365.	3.95	0.0290	76.	9.	0.34
MILE	77.70	824.26	11688.	3.47	3365.	405.	4.60	0.0400	76.	14.	0.21
MILE	75.60	818.70	11780.	3.58	3288.	364.	4.88	0.0400	76.	12.	0.21
MILE	73.50	814.13	11874.	3.74	3171.	291.	4.66	0.0330	76.	15.	0.20
MILE	71.40	811.58	11965.	3.00	3987.	330.	4.48	0.0400	76.	14.	0.15

MILE	69.30	807.57	12055.	3.41	3534.	379.	3.88	0.0340	76.	9.	0.20
MILE	67.20	802.78	12145.	3.05	3977.	476.	3.74	0.0340	76.	12.	0.19
MILE	65.10	798.70	12242.	3.18	3853.	522.	4.46	0.0320	76.	12.	0.21
MILE	63.00	797.21	12334.	2.69	4594.	463.	5.27	0.0400	76.	16.	0.15
MILE	60.90	795.23	12416.	2.47	5021.	377.	6.00	0.0450	76.	19.	0.12
MILE	58.80	793.91	10488.	1.84	5709.	353.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.78	10547.	1.68	6274.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.65	10610.	1.67	6347.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.58	10666.	1.23	8667.	557.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.52	10721.	1.14	9393.	902.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.45	10778.	0.87	12403.	1590.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.42	10783.	0.72	15032.	1778.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.42	10812.	0.40	26913.	1476.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.41	10818.	0.77	13991.	1335.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.38	10843.	0.60	17986.	1301.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.34	10868.	0.62	17541.	1322.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.33	10894.	0.35	30739.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.32	10922.	0.57	19169.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.32	10967.	0.37	29312.	1198.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.32	10978.	0.18	60103.	2092.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.32	10957.	0.37	29843.	1716.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.31	10995.	0.35	31353.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.31	11026.	0.31	35069.	1029.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.31	11054.	0.30	36431.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.31	11065.	0.24	45221.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.31	11118.	0.30	37176.	1057.	11.32	0.0230	76.	63.	0.01

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TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.15	11568.	4.90	2361.	365.	3.95	0.0290	76.	9.	0.34
MILE	77.70	824.24	11650.	3.47	3358.	405.	4.59	0.0400	76.	14.	0.21
MILE	75.60	818.68	11742.	3.58	3281.	363.	4.87	0.0400	76.	12.	0.21
MILE	73.50	814.11	11837.	3.74	3165.	291.	4.65	0.0330	76.	15.	0.20
MILE	71.40	811.57	11929.	3.00	3980.	330.	4.48	0.0400	76.	14.	0.15
MILE	69.30	807.55	12020.	3.41	3528.	379.	3.88	0.0340	76.	9.	0.20
MILE	67.20	802.76	12112.	3.05	3970.	475.	3.73	0.0340	76.	12.	0.19
MILE	65.10	798.69	12211.	3.17	3849.	522.	4.46	0.0320	76.	12.	0.21
MILE	63.00	797.21	12304.	2.68	4590.	463.	5.27	0.0400	76.	16.	0.15
MILE	60.90	795.23	12388.	2.47	5021.	377.	6.00	0.0450	76.	19.	0.12
MILE	58.80	793.92	10460.	1.83	5711.	353.	6.13	0.0400	-1930.	21.	0.08
MILE	57.00	793.79	10517.	1.68	6277.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.66	10576.	1.67	6350.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.59	10631.	1.23	8673.	557.	5.92	0.0200	72.	20.	0.05
MILE	51.00	793.53	10682.	1.14	9398.	903.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.46	10717.	0.86	12416.	1591.	4.93	0.0200	86.	25.	0.05

MILE	46.20	793.43	10738.	0.71	15042.	1779.	6.64	0.0200	76.	32.	0.04
MILE	44.10	793.43	10749.	0.40	26927.	1477.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.42	10754.	0.77	13997.	1336.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.39	10781.	0.60	17999.	1302.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.35	10863.	0.62	17549.	1322.	7.80	0.0230	90.	42.	0.03
MILE	37.00	793.34	10939.	0.36	30750.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.33	10974.	0.57	19174.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.33	11021.	0.38	29319.	1198.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.33	11056.	0.18	60121.	2092.	7.98	0.0290	56.	50.	0.01
MILE	31.50	793.32	11134.	0.37	29847.	1716.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.32	11185.	0.36	31357.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.32	11228.	0.32	35073.	1029.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.32	11300.	0.31	36434.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.31	11386.	0.25	45222.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.31	11454.	0.31	37176.	1057.	11.32	0.0230	76.	63.	0.01

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.13	11524.	4.89	2356.	365.	3.94	0.0290	76.	9.	0.34
MILE	77.70	824.21	11607.	3.47	3350.	404.	4.58	0.0400	76.	14.	0.21
MILE	75.60	818.65	11701.	3.57	3274.	363.	4.87	0.0400	76.	12.	0.21
MILE	73.50	814.09	11798.	3.73	3159.	291.	4.65	0.0330	76.	15.	0.20
MILE	71.40	811.55	11892.	2.99	3973.	329.	4.47	0.0400	76.	14.	0.15
MILE	69.30	807.54	11984.	3.40	3521.	379.	3.87	0.0340	76.	9.	0.20
MILE	67.20	802.75	12077.	3.05	3962.	475.	3.73	0.0340	76.	12.	0.19
MILE	65.10	798.67	12177.	3.17	3843.	521.	4.45	0.0320	76.	12.	0.21
MILE	63.00	797.20	12272.	2.68	4587.	463.	5.27	0.0400	76.	16.	0.15
MILE	60.90	795.23	12355.	2.46	5021.	377.	6.00	0.0450	76.	19.	0.12
MILE	58.80	793.93	10426.	1.82	5714.	353.	6.13	0.0400	-1930.	21.	0.08
MILE	57.00	793.80	10483.	1.67	6281.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.67	10546.	1.66	6354.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.60	10605.	1.22	8679.	557.	5.92	0.0200	72.	20.	0.05
MILE	51.00	793.54	10670.	1.13	9403.	903.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.47	10766.	0.87	12423.	1591.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.44	10837.	0.72	15047.	1779.	6.64	0.0200	76.	32.	0.04
MILE	44.10	793.43	10914.	0.41	26931.	1477.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.42	10929.	0.78	13999.	1336.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.39	10995.	0.61	18001.	1302.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.34	11110.	0.63	17547.	1322.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.34	11193.	0.36	30750.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.33	11223.	0.59	19173.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.32	11263.	0.38	29318.	1198.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.32	11305.	0.19	60116.	2092.	7.98	0.0290	56.	50.	0.01
MILE	31.50	793.32	11420.	0.38	29846.	1716.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.32	11447.	0.37	31356.	862.	9.78	0.0200	45.	53.	0.01

MILE	29.00	793.32	11480.	0.33	35072.	1029.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.31	11552.	0.32	36432.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.31	11654.	0.26	45220.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.31	11713.	0.32	37176.	1057.	11.32	0.0230	76.	63.	0.01

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.12	11489.	4.89	2351.	365.	3.94	0.0290	76.	9.	0.34
MILE	77.70	824.19	11571.	3.46	3343.	403.	4.58	0.0400	76.	13.	0.21
MILE	75.60	818.63	11664.	3.57	3267.	362.	4.86	0.0400	76.	12.	0.21
MILE	73.50	814.07	11760.	3.73	3153.	290.	4.64	0.0330	76.	15.	0.20
MILE	71.40	811.53	11853.	2.99	3966.	329.	4.47	0.0400	76.	14.	0.15
MILE	69.30	807.53	11946.	3.40	3515.	379.	3.87	0.0340	76.	9.	0.20
MILE	67.20	802.74	12040.	3.05	3954.	475.	3.72	0.0340	76.	12.	0.19
MILE	65.10	798.66	12141.	3.16	3838.	520.	4.45	0.0320	76.	12.	0.21
MILE	63.00	797.19	12238.	2.67	4583.	462.	5.27	0.0400	76.	16.	0.15
MILE	60.90	795.23	12327.	2.46	5019.	376.	6.00	0.0450	76.	19.	0.12
MILE	58.80	793.93	10413.	1.82	5714.	353.	6.13	0.0400	-1930.	21.	0.08
MILE	57.00	793.80	10484.	1.67	6281.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.67	10563.	1.66	6353.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.60	10640.	1.23	8678.	557.	5.92	0.0200	72.	20.	0.05
MILE	51.00	793.54	10728.	1.14	9401.	903.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.47	10845.	0.87	12420.	1591.	4.93	0.0200	86.	25.	0.06
MILE	46.20	793.43	10940.	0.73	15044.	1779.	6.64	0.0200	76.	32.	0.04
MILE	44.10	793.43	11033.	0.41	26929.	1477.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.42	11050.	0.79	13998.	1336.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.39	11113.	0.62	17999.	1302.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.34	11187.	0.64	17548.	1322.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.34	11247.	0.37	30753.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.33	11266.	0.59	19175.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.33	11280.	0.38	29321.	1198.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.33	11290.	0.19	60128.	2092.	7.98	0.0290	56.	50.	0.01
MILE	31.50	793.32	11328.	0.38	29851.	1716.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.32	11347.	0.36	31362.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.32	11366.	0.32	35078.	1030.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.32	11395.	0.31	36440.	1030.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.32	11444.	0.25	45231.	1028.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.32	11482.	0.31	37186.	1058.	11.32	0.0230	76.	63.	0.01

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.06	11363.	4.87	2335.	364.	3.92	0.0290	76.	9.	0.34
MILE	77.70	824.14	11456.	3.45	3324.	402.	4.56	0.0400	76.	13.	0.21
MILE	75.60	818.59	11577.	3.56	3254.	361.	4.85	0.0400	76.	12.	0.21
MILE	73.50	814.05	11698.	3.72	3144.	290.	4.64	0.0330	76.	15.	0.20
MILE	71.40	811.51	11804.	2.98	3958.	329.	4.46	0.0400	76.	14.	0.15
MILE	69.30	807.51	11904.	3.39	3507.	379.	3.86	0.0340	76.	9.	0.20
MILE	67.20	802.72	12001.	3.04	3945.	474.	3.72	0.0340	76.	12.	0.19
MILE	65.10	798.64	12104.	3.16	3831.	520.	4.45	0.0320	76.	12.	0.21
MILE	63.00	797.17	12206.	2.67	4577.	461.	5.26	0.0400	76.	16.	0.15
MILE	60.90	795.21	12302.	2.45	5015.	376.	6.00	0.0450	76.	19.	0.12
MILE	58.80	793.92	10390.	1.82	5711.	353.	6.13	0.0400	-1930.	21.	0.08
MILE	57.00	793.79	10462.	1.67	6277.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.66	10542.	1.66	6351.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.60	10614.	1.22	8674.	557.	5.92	0.0200	72.	20.	0.05
MILE	51.00	793.53	10689.	1.14	9399.	903.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.47	10764.	0.87	12420.	1591.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.44	10815.	0.72	15046.	1779.	6.64	0.0200	76.	32.	0.04
MILE	44.10	793.43	10858.	0.40	26933.	1477.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.42	10868.	0.78	14000.	1336.	8.27	0.0300	38.	40.	0.04
MILE	42.00	793.40	10911.	0.61	18006.	1302.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.35	11007.	0.63	17554.	1323.	7.80	0.0230	90.	42.	0.03
MILE	37.00	793.35	11089.	0.36	30762.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.34	11132.	0.58	19180.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.33	11193.	0.38	29326.	1198.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.33	11232.	0.19	60141.	2093.	7.98	0.0290	56.	50.	0.01
MILE	31.50	793.33	11302.	0.38	29855.	1716.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.33	11363.	0.36	31365.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.33	11408.	0.33	35081.	1030.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.32	11474.	0.31	36442.	1030.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.32	11550.	0.26	45233.	1028.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.32	11641.	0.31	37186.	1058.	11.32	0.0230	76.	63.	0.01

0DATE 5-13-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.05	11342.	4.86	2331.	364.	3.92	0.0290	76.	9.	0.34
MILE	77.70	824.11	11425.	3.45	3316.	401.	4.56	0.0400	76.	13.	0.21
MILE	75.60	818.55	11522.	3.55	3242.	360.	4.84	0.0400	76.	12.	0.21
MILE	73.50	814.01	11628.	3.71	3133.	289.	4.63	0.0330	76.	15.	0.20
MILE	71.40	811.48	11731.	2.97	3945.	329.	4.45	0.0400	76.	14.	0.15
MILE	69.30	807.49	11836.	3.39	3496.	378.	3.86	0.0340	76.	9.	0.20
MILE	67.20	802.70	11943.	3.04	3933.	473.	3.71	0.0340	76.	12.	0.19
MILE	65.10	798.62	12059.	3.15	3822.	519.	4.44	0.0320	76.	12.	0.20

MILE	63.00	797.15	12168.	2.66	4571.	460.	5.26	0.0400	76.	16.	0.15
MILE	60.90	795.20	12263.	2.45	5012.	375.	6.00	0.0450	76.	19.	0.12
MILE	58.80	793.92	10340.	1.81	5711.	353.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.79	10401.	1.66	6278.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.67	10466.	1.65	6352.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.60	10528.	1.21	8677.	557.	5.92	0.0200	72.	20.	0.05
MILE	51.00	793.54	10597.	1.13	9402.	903.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.47	10702.	0.86	12423.	1591.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.44	10781.	0.72	15048.	1779.	6.64	0.0200	76.	32.	0.04
MILE	44.10	793.43	10863.	0.40	26933.	1477.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.42	10879.	0.78	14000.	1336.	8.27	0.0300	38.	40.	0.04
MILE	42.00	793.40	10953.	0.61	18004.	1302.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.35	11109.	0.63	17550.	1322.	7.80	0.0230	90.	42.	0.03
MILE	37.00	793.34	11212.	0.36	30754.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.33	11269.	0.59	19175.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.33	11359.	0.39	29319.	1198.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.33	11422.	0.19	60119.	2092.	7.98	0.0290	56.	50.	0.01
MILE	31.50	793.32	11540.	0.39	29848.	1716.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.32	11640.	0.37	31357.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.32	11705.	0.33	35072.	1029.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.31	11795.	0.32	36433.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.31	11892.	0.26	45222.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.31	12001.	0.32	37176.	1057.	11.32	0.0230	76.	63.	0.01

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TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.04	11309.	4.86	2327.	364.	3.91	0.0290	76.	9.	0.34
MILE	77.70	824.09	11391.	3.44	3309.	400.	4.55	0.0400	76.	13.	0.21
MILE	75.60	818.53	11484.	3.55	3234.	360.	4.84	0.0400	76.	12.	0.21
MILE	73.50	813.98	11582.	3.71	3124.	288.	4.62	0.0330	76.	15.	0.20
MILE	71.40	811.46	11678.	2.97	3935.	328.	4.44	0.0400	76.	14.	0.15
MILE	69.30	807.46	11776.	3.38	3485.	378.	3.85	0.0340	76.	9.	0.20
MILE	67.20	802.67	11880.	3.03	3919.	473.	3.70	0.0340	76.	12.	0.19
MILE	65.10	798.60	11999.	3.15	3812.	518.	4.43	0.0320	76.	12.	0.20
MILE	63.00	797.14	12113.	2.65	4564.	459.	5.26	0.0400	76.	16.	0.15
MILE	60.90	795.20	12214.	2.44	5009.	375.	6.00	0.0450	76.	19.	0.12
MILE	58.80	793.91	10304.	1.80	5710.	353.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.79	10376.	1.65	6277.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.67	10457.	1.65	6351.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.60	10536.	1.21	8675.	557.	5.92	0.0200	72.	20.	0.05
MILE	51.00	793.53	10635.	1.13	9400.	903.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.46	10790.	0.87	12417.	1591.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.43	10922.	0.73	15041.	1779.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.43	11056.	0.41	26924.	1477.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.42	11080.	0.79	13995.	1336.	8.28	0.0300	38.	40.	0.04

MILE	42.00	793.39	11188.	0.62	17992.	1302.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.33	11419.	0.65	17538.	1322.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.32	11621.	0.38	30725.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.31	11706.	0.61	19160.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.31	11826.	0.40	29299.	1197.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.31	11937.	0.20	60066.	2091.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.30	12201.	0.41	29827.	1715.	10.27	0.0250	63.	54.	0.02
MILE	30.10	793.29	12339.	0.39	31332.	861.	9.78	0.0200	45.	52.	0.01
MILE	29.00	793.29	12435.	0.35	35048.	1029.	10.66	0.0200	50.	54.	0.01
MILE	27.30	793.29	12594.	0.35	36408.	1028.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.28	12765.	0.28	45192.	1026.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.28	12928.	0.35	37148.	1056.	11.32	0.0230	76.	63.	0.01

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TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.02	11271.	4.85	2322.	363.	3.91	0.0290	76.	9.	0.34
MILE	77.70	824.07	11353.	3.44	3301.	400.	4.54	0.0400	76.	13.	0.21
MILE	75.60	818.50	11446.	3.55	3227.	359.	4.83	0.0400	76.	12.	0.21
MILE	73.50	813.96	11543.	3.70	3118.	288.	4.62	0.0330	76.	15.	0.20
MILE	71.40	811.44	11637.	2.96	3927.	328.	4.44	0.0400	76.	14.	0.15
MILE	69.30	807.45	11731.	3.37	3476.	378.	3.84	0.0340	76.	9.	0.20
MILE	67.20	802.65	11830.	3.03	3906.	472.	3.70	0.0340	76.	12.	0.19
MILE	65.10	798.57	11943.	3.14	3801.	516.	4.43	0.0320	76.	12.	0.20
MILE	63.00	797.11	12061.	2.65	4554.	458.	5.25	0.0400	76.	16.	0.15
MILE	60.90	795.18	12170.	2.43	5002.	374.	5.99	0.0450	76.	19.	0.12
MILE	58.80	793.90	10272.	1.80	5704.	353.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.78	10356.	1.65	6271.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.65	10453.	1.65	6345.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.58	10553.	1.22	8665.	556.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.51	10689.	1.14	9391.	902.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.44	10951.	0.88	12394.	1590.	4.93	0.0200	86.	25.	0.06
MILE	46.20	793.41	11214.	0.75	15020.	1777.	6.63	0.0200	76.	32.	0.05
MILE	44.10	793.40	11456.	0.43	26893.	1475.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.39	11494.	0.82	13982.	1334.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.36	11631.	0.65	17959.	1300.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.31	11672.	0.67	17521.	1321.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.31	11527.	0.38	30711.	1093.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.31	11476.	0.60	19157.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.31	11405.	0.39	29302.	1197.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.31	11320.	0.19	60080.	2091.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.31	11104.	0.37	29839.	1715.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.31	11008.	0.35	31351.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.31	10946.	0.31	35071.	1029.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.32	10819.	0.30	36437.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.32	10707.	0.24	45234.	1028.	11.90	0.0230	76.	59.	0.01

MILE	23.10	793.33	10617.	0.29	37195.	1058.	11.32	0.0230	76.	63.	0.01

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TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.00	11231.	4.85	2317.	363.	3.90	0.0290	76.	9.	0.34
MILE	77.70	824.05	11314.	3.43	3294.	399.	4.54	0.0400	76.	13.	0.21
MILE	75.60	818.48	11407.	3.54	3219.	358.	4.83	0.0400	76.	12.	0.21
MILE	73.50	813.94	11505.	3.70	3111.	288.	4.62	0.0330	76.	15.	0.20
MILE	71.40	811.42	11598.	2.96	3919.	328.	4.43	0.0400	76.	14.	0.15
MILE	69.30	807.43	11691.	3.37	3469.	378.	3.84	0.0340	76.	9.	0.20
MILE	67.20	802.63	11787.	3.03	3895.	471.	3.69	0.0340	76.	12.	0.19
MILE	65.10	798.55	11897.	3.14	3790.	515.	4.42	0.0320	76.	12.	0.20
MILE	63.00	797.08	12016.	2.64	4544.	457.	5.25	0.0400	76.	16.	0.15
MILE	60.90	795.15	12135.	2.43	4992.	373.	5.98	0.0450	76.	19.	0.12
MILE	58.80	793.87	10260.	1.80	5692.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.74	10364.	1.66	6256.	393.	5.96	0.0200	68.	19.	0.07
MILE	55.00	793.62	10479.	1.65	6333.	452.	6.45	0.0200	70.	20.	0.08
MILE	53.10	793.55	10575.	1.22	8646.	556.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.49	10647.	1.14	9378.	902.	6.04	0.0200	86.	24.	0.06
MILE	48.30	793.43	10573.	0.85	12387.	1589.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.41	10421.	0.69	15027.	1778.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.42	10291.	0.38	26914.	1476.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.41	10273.	0.73	13993.	1335.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.39	10199.	0.57	18000.	1302.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.36	10215.	0.58	17557.	1323.	7.80	0.0230	90.	42.	0.03
MILE	37.00	793.35	10492.	0.34	30763.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.34	10599.	0.55	19180.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.33	10727.	0.37	29325.	1198.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.33	10833.	0.18	60136.	2093.	7.98	0.0290	56.	50.	0.01
MILE	31.50	793.33	11060.	0.37	29852.	1716.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.32	11167.	0.36	31361.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.32	11266.	0.32	35076.	1030.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.32	11470.	0.31	36435.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.31	11690.	0.26	45218.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.30	11887.	0.32	37167.	1057.	11.32	0.0230	76.	63.	0.01

0DATE 5-13-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.99	11199.	4.84	2313.	363.	3.90	0.0290	76.	9.	0.34

MILE	77.70	824.03	11281.	3.43	3287.	399.	4.53	0.0400	76.	13.	0.21
MILE	75.60	818.46	11372.	3.54	3212.	358.	4.82	0.0400	76.	12.	0.21
MILE	73.50	813.92	11467.	3.69	3105.	287.	4.61	0.0330	76.	15.	0.20
MILE	71.40	811.40	11559.	2.95	3912.	328.	4.43	0.0400	76.	14.	0.15
MILE	69.30	807.41	11651.	3.37	3461.	377.	3.83	0.0340	76.	9.	0.20
MILE	67.20	802.61	11746.	3.02	3884.	471.	3.69	0.0340	76.	12.	0.19
MILE	65.10	798.52	11857.	3.14	3779.	514.	4.41	0.0320	76.	12.	0.20
MILE	63.00	797.05	11976.	2.64	4533.	455.	5.24	0.0400	76.	16.	0.15
MILE	60.90	795.13	12068.	2.42	4986.	372.	5.98	0.0450	76.	19.	0.12
MILE	58.80	793.88	10100.	1.77	5698.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.77	10107.	1.61	6266.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.65	10111.	1.59	6345.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.59	10119.	1.17	8670.	557.	5.92	0.0200	72.	20.	0.05
MILE	51.00	793.53	10143.	1.08	9398.	903.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.46	10318.	0.83	12412.	1591.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.42	10523.	0.70	15035.	1778.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.42	10678.	0.40	26912.	1476.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.41	10709.	0.77	13990.	1335.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.37	10876.	0.60	17977.	1301.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.32	11181.	0.64	17527.	1321.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.31	11161.	0.36	30713.	1093.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.31	11161.	0.58	19156.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.30	11183.	0.38	29296.	1197.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.30	11220.	0.19	60058.	2090.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.30	11358.	0.38	29827.	1715.	10.27	0.0250	63.	54.	0.02
MILE	30.10	793.30	11437.	0.36	31334.	861.	9.78	0.0200	45.	52.	0.01
MILE	29.00	793.30	11475.	0.33	35051.	1029.	10.66	0.0200	50.	54.	0.01
MILE	27.30	793.29	11514.	0.32	36413.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.30	11594.	0.26	45204.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.30	11622.	0.31	37167.	1057.	11.32	0.0230	76.	63.	0.01

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TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.06	11354.	4.87	2333.	364.	3.92	0.0290	76.	9.	0.34
MILE	77.70	824.09	11412.	3.45	3306.	400.	4.55	0.0400	76.	13.	0.21
MILE	75.60	818.48	11444.	3.56	3218.	358.	4.83	0.0400	76.	12.	0.21
MILE	73.50	813.92	11485.	3.70	3104.	287.	4.61	0.0330	76.	15.	0.20
MILE	71.40	811.39	11548.	2.95	3908.	328.	4.43	0.0400	76.	14.	0.15
MILE	69.30	807.40	11624.	3.36	3456.	377.	3.83	0.0340	76.	9.	0.20
MILE	67.20	802.60	11714.	3.02	3876.	470.	3.68	0.0340	76.	12.	0.19
MILE	65.10	798.50	11816.	3.13	3772.	513.	4.41	0.0320	76.	12.	0.20
MILE	63.00	797.05	11911.	2.63	4530.	455.	5.24	0.0400	76.	16.	0.15
MILE	60.90	795.14	12003.	2.41	4989.	373.	5.98	0.0450	76.	19.	0.12
MILE	58.80	793.89	10119.	1.78	5701.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.77	10225.	1.63	6267.	393.	5.97	0.0200	68.	19.	0.07

MILE	55.00	793.64	10342.	1.63	6342.	453.	6.45	0.0200	70.	20.	0.08
MILE	53.10	793.57	10458.	1.21	8660.	556.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.51	10600.	1.13	9387.	902.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.44	10739.	0.87	12392.	1590.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.41	10761.	0.72	15024.	1777.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.41	10878.	0.40	26902.	1476.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.40	10894.	0.78	13986.	1335.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.37	10921.	0.61	17976.	1301.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.33	10881.	0.62	17537.	1322.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.32	11057.	0.36	30727.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.31	11128.	0.58	19162.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.31	11211.	0.38	29303.	1197.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.31	11262.	0.19	60078.	2091.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.31	11342.	0.38	29834.	1715.	10.27	0.0250	63.	55.	0.02
MILE	30.10	793.30	11382.	0.36	31341.	861.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.30	11427.	0.33	35058.	1029.	10.66	0.0200	50.	54.	0.01
MILE	27.30	793.30	11510.	0.32	36419.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.30	11584.	0.26	45204.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.29	11719.	0.32	37157.	1057.	11.32	0.0230	76.	63.	0.01

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TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.06	11368.	4.87	2335.	364.	3.92	0.0290	76.	9.	0.34
MILE	77.70	824.11	11437.	3.45	3313.	401.	4.55	0.0400	76.	13.	0.21
MILE	75.60	818.51	11496.	3.56	3229.	359.	4.83	0.0400	76.	12.	0.21
MILE	73.50	813.95	11548.	3.71	3113.	288.	4.62	0.0330	76.	15.	0.20
MILE	71.40	811.41	11603.	2.96	3916.	328.	4.43	0.0400	76.	14.	0.15
MILE	69.30	807.41	11659.	3.37	3460.	377.	3.83	0.0340	76.	9.	0.20
MILE	67.20	802.59	11720.	3.03	3874.	470.	3.68	0.0340	76.	12.	0.19
MILE	65.10	798.48	11797.	3.13	3765.	512.	4.40	0.0320	76.	11.	0.20
MILE	63.00	797.02	11897.	2.63	4522.	454.	5.23	0.0400	76.	16.	0.15
MILE	60.90	795.11	12000.	2.41	4979.	372.	5.98	0.0450	76.	19.	0.12
MILE	58.80	793.86	10084.	1.77	5690.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.74	10146.	1.62	6257.	393.	5.96	0.0200	68.	19.	0.07
MILE	55.00	793.63	10220.	1.61	6336.	453.	6.45	0.0200	70.	20.	0.08
MILE	53.10	793.56	10288.	1.19	8654.	556.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.50	10357.	1.10	9385.	902.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.44	10468.	0.84	12392.	1590.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.41	10683.	0.71	15021.	1777.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.40	10775.	0.40	26898.	1476.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.39	10794.	0.77	13985.	1335.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.37	10892.	0.61	17971.	1301.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.32	11071.	0.63	17529.	1321.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.32	10979.	0.36	30721.	1093.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.31	10960.	0.57	19161.	880.	8.28	0.0280	43.	44.	0.02

MILE	34.60	793.31	10948.	0.37	29306.	1197.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.31	10915.	0.18	60090.	2091.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.31	10823.	0.36	29840.	1715.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.31	10839.	0.35	31350.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.31	10839.	0.31	35068.	1029.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.31	10799.	0.30	36432.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.32	10782.	0.24	45227.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.32	10762.	0.29	37186.	1058.	11.32	0.0230	76.	63.	0.01

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TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.04	11319.	4.86	2329.	364.	3.92	0.0290	76.	9.	0.34
MILE	77.70	824.10	11400.	3.45	3309.	400.	4.55	0.0400	76.	13.	0.21
MILE	75.60	818.52	11486.	3.56	3231.	359.	4.84	0.0400	76.	12.	0.21
MILE	73.50	813.96	11565.	3.71	3118.	288.	4.62	0.0330	76.	15.	0.20
MILE	71.40	811.43	11636.	2.97	3923.	328.	4.44	0.0400	76.	14.	0.15
MILE	69.30	807.43	11701.	3.37	3467.	378.	3.84	0.0340	76.	9.	0.20
MILE	67.20	802.60	11761.	3.03	3879.	471.	3.68	0.0340	76.	12.	0.19
MILE	65.10	798.48	11820.	3.14	3764.	512.	4.40	0.0320	76.	11.	0.20
MILE	63.00	797.02	11892.	2.63	4519.	454.	5.23	0.0400	76.	16.	0.15
MILE	60.90	795.11	11969.	2.40	4978.	371.	5.98	0.0450	76.	19.	0.12
MILE	58.80	793.86	10056.	1.77	5691.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.74	10136.	1.62	6256.	393.	5.96	0.0200	68.	19.	0.07
MILE	55.00	793.62	10221.	1.61	6335.	453.	6.45	0.0200	70.	20.	0.08
MILE	53.10	793.56	10292.	1.19	8651.	556.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.50	10361.	1.10	9382.	902.	6.04	0.0200	86.	24.	0.06
MILE	48.30	793.44	10387.	0.84	12389.	1589.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.41	10266.	0.68	15027.	1778.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.41	10256.	0.38	26909.	1476.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.40	10255.	0.73	13990.	1335.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.38	10239.	0.57	17990.	1302.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.35	10206.	0.58	17551.	1322.	7.80	0.0230	90.	42.	0.03
MILE	37.00	793.34	10371.	0.34	30756.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.33	10446.	0.54	19177.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.33	10543.	0.36	29322.	1198.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.33	10606.	0.18	60127.	2092.	7.98	0.0290	56.	50.	0.01
MILE	31.50	793.32	10702.	0.36	29851.	1716.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.32	10753.	0.34	31361.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.32	10812.	0.31	35077.	1030.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.32	10926.	0.30	36437.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.31	11027.	0.24	45224.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.31	11158.	0.30	37176.	1057.	11.32	0.0230	76.	63.	0.01

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TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.01	11257.	4.85	2320.	363.	3.91	0.0290	76.	9.	0.34
MILE	77.70	824.07	11342.	3.44	3299.	400.	4.54	0.0400	76.	13.	0.21
MILE	75.60	818.50	11441.	3.55	3225.	359.	4.83	0.0400	76.	12.	0.21
MILE	73.50	813.96	11538.	3.70	3116.	288.	4.62	0.0330	76.	15.	0.20
MILE	71.40	811.43	11625.	2.96	3923.	328.	4.44	0.0400	76.	14.	0.15
MILE	69.30	807.43	11707.	3.37	3469.	378.	3.84	0.0340	76.	9.	0.20
MILE	67.20	802.61	11782.	3.03	3885.	471.	3.69	0.0340	76.	12.	0.19
MILE	65.10	798.49	11847.	3.15	3767.	512.	4.40	0.0320	76.	11.	0.20
MILE	63.00	797.02	11912.	2.63	4521.	454.	5.23	0.0400	76.	16.	0.15
MILE	60.90	795.11	11975.	2.40	4979.	372.	5.98	0.0450	76.	19.	0.12
MILE	58.80	793.87	10017.	1.76	5695.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.76	10043.	1.60	6263.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.64	10071.	1.59	6343.	453.	6.46	0.0200	70.	20.	0.07
MILE	53.10	793.58	10103.	1.17	8665.	556.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.52	10138.	1.08	9394.	903.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.46	10210.	0.82	12411.	1591.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.43	10345.	0.69	15037.	1778.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.42	10395.	0.39	26918.	1476.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.41	10408.	0.74	13993.	1335.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.38	10493.	0.58	17990.	1302.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.34	10699.	0.61	17541.	1322.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.33	10714.	0.35	30737.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.32	10722.	0.56	19168.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.32	10742.	0.37	29312.	1198.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.32	10772.	0.18	60102.	2092.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.31	10885.	0.36	29841.	1715.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.31	10955.	0.35	31351.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.31	10997.	0.31	35067.	1029.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.31	11051.	0.30	36428.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.31	11143.	0.25	45218.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.31	11179.	0.30	37176.	1057.	11.32	0.0230	76.	63.	0.01

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TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	828.00	11224.	4.85	2315.	363.	3.90	0.0290	76.	9.	0.34
MILE	77.70	824.05	11307.	3.43	3292.	399.	4.54	0.0400	76.	13.	0.21
MILE	75.60	818.48	11400.	3.54	3218.	358.	4.83	0.0400	76.	12.	0.21
MILE	73.50	813.94	11497.	3.70	3110.	288.	4.61	0.0330	76.	15.	0.20
MILE	71.40	811.42	11590.	2.96	3917.	328.	4.43	0.0400	76.	14.	0.15

MILE	69.30	807.42	11681.	3.37	3466.	378.	3.84	0.0340	76.	9.	0.20
MILE	67.20	802.61	11769.	3.03	3884.	471.	3.69	0.0340	76.	12.	0.19
MILE	65.10	798.50	11849.	3.14	3770.	513.	4.40	0.0320	76.	11.	0.20
MILE	63.00	797.04	11912.	2.63	4526.	455.	5.24	0.0400	76.	16.	0.15
MILE	60.90	795.13	11974.	2.40	4986.	372.	5.98	0.0450	76.	19.	0.12
MILE	58.80	793.89	10053.	1.76	5701.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.77	10129.	1.62	6268.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.65	10212.	1.61	6345.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.58	10290.	1.19	8666.	557.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.52	10380.	1.11	9393.	903.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.45	10487.	0.85	12406.	1590.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.43	10507.	0.70	15036.	1778.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.42	10602.	0.39	26917.	1476.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.41	10617.	0.76	13993.	1335.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.39	10655.	0.59	17992.	1302.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.34	10656.	0.61	17547.	1322.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.34	10776.	0.35	30749.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.33	10820.	0.56	19173.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.32	10869.	0.37	29318.	1198.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.32	10904.	0.18	60118.	2092.	7.98	0.0290	56.	50.	0.01
MILE	31.50	793.32	10977.	0.37	29847.	1716.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.32	10980.	0.35	31357.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.32	11005.	0.31	35074.	1029.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.32	11069.	0.30	36435.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.31	11148.	0.25	45222.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.31	11234.	0.30	37176.	1057.	11.32	0.0230	76.	63.	0.01

0DATE 5-13-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.99	11199.	4.84	2312.	363.	3.90	0.0290	76.	9.	0.34
MILE	77.70	824.03	11280.	3.43	3287.	399.	4.53	0.0400	76.	13.	0.21
MILE	75.60	818.46	11370.	3.54	3211.	358.	4.82	0.0400	76.	12.	0.21
MILE	73.50	813.92	11463.	3.69	3104.	287.	4.61	0.0330	76.	15.	0.20
MILE	71.40	811.40	11555.	2.95	3911.	328.	4.43	0.0400	76.	14.	0.15
MILE	69.30	807.41	11645.	3.37	3460.	377.	3.83	0.0340	76.	9.	0.20
MILE	67.20	802.60	11737.	3.03	3879.	471.	3.68	0.0340	76.	12.	0.19
MILE	65.10	798.50	11828.	3.14	3770.	513.	4.40	0.0320	76.	11.	0.20
MILE	63.00	797.04	11912.	2.63	4526.	455.	5.24	0.0400	76.	16.	0.15
MILE	60.90	795.13	11994.	2.41	4985.	372.	5.98	0.0450	76.	19.	0.12
MILE	58.80	793.88	10070.	1.77	5698.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.76	10132.	1.62	6265.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.64	10201.	1.61	6343.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.58	10268.	1.18	8665.	556.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.52	10334.	1.10	9393.	903.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.46	10411.	0.84	12410.	1591.	4.93	0.0200	86.	25.	0.05

MILE	46.20	793.43	10534.	0.70	15038.	1778.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.42	10589.	0.39	26921.	1477.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.41	10603.	0.76	13995.	1335.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.39	10676.	0.59	17994.	1302.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.34	10861.	0.62	17544.	1322.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.33	10925.	0.36	30744.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.33	10955.	0.57	19171.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.32	10999.	0.38	29316.	1198.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.32	11035.	0.18	60111.	2092.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.32	11133.	0.37	29845.	1716.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.32	11212.	0.36	31354.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.31	11262.	0.32	35070.	1029.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.31	11328.	0.31	36431.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.31	11421.	0.25	45221.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.31	11491.	0.31	37176.	1057.	11.32	0.0230	76.	63.	0.01

0DATE 5-13-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.97	11171.	4.84	2308.	363.	3.90	0.0290	76.	9.	0.34
MILE	77.70	824.01	11252.	3.43	3281.	398.	4.53	0.0400	76.	13.	0.21
MILE	75.60	818.44	11341.	3.54	3206.	357.	4.82	0.0400	76.	12.	0.21
MILE	73.50	813.91	11433.	3.69	3099.	287.	4.61	0.0330	76.	15.	0.20
MILE	71.40	811.39	11523.	2.95	3905.	328.	4.42	0.0400	76.	14.	0.15
MILE	69.30	807.40	11612.	3.36	3454.	377.	3.83	0.0340	76.	9.	0.20
MILE	67.20	802.59	11703.	3.02	3872.	470.	3.68	0.0340	76.	12.	0.19
MILE	65.10	798.49	11799.	3.13	3765.	512.	4.40	0.0320	76.	11.	0.20
MILE	63.00	797.03	11890.	2.63	4523.	454.	5.23	0.0400	76.	16.	0.15
MILE	60.90	795.12	11974.	2.40	4984.	372.	5.98	0.0450	76.	19.	0.12
MILE	58.80	793.88	10054.	1.76	5699.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.77	10125.	1.62	6266.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.64	10203.	1.61	6343.	453.	6.46	0.0200	70.	20.	0.08
MILE	53.10	793.58	10276.	1.19	8664.	556.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.52	10364.	1.10	9392.	902.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.45	10500.	0.85	12405.	1590.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.42	10565.	0.70	15034.	1778.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.42	10681.	0.40	26915.	1476.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.41	10700.	0.76	13992.	1335.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.38	10773.	0.60	17988.	1302.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.34	10857.	0.62	17543.	1322.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.33	10944.	0.36	30742.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.32	10991.	0.57	19170.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.32	11059.	0.38	29314.	1198.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.32	11101.	0.18	60107.	2092.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.32	11163.	0.37	29844.	1716.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.31	11215.	0.36	31353.	862.	9.78	0.0200	45.	53.	0.01

MILE	29.00	793.31	11255.	0.32	35070.	1029.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.31	11310.	0.31	36431.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.31	11362.	0.25	45222.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.31	11452.	0.31	37176.	1057.	11.32	0.0230	76.	63.	0.01

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TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.97	11165.	4.84	2307.	363.	3.90	0.0290	76.	9.	0.34
MILE	77.70	824.01	11243.	3.43	3279.	398.	4.52	0.0400	76.	13.	0.21
MILE	75.60	818.43	11325.	3.54	3202.	357.	4.81	0.0400	76.	12.	0.21
MILE	73.50	813.89	11410.	3.69	3095.	287.	4.60	0.0330	76.	15.	0.20
MILE	71.40	811.37	11496.	2.95	3900.	327.	4.42	0.0400	76.	14.	0.15
MILE	69.30	807.39	11582.	3.36	3448.	377.	3.82	0.0340	76.	9.	0.20
MILE	67.20	802.58	11672.	3.02	3865.	470.	3.67	0.0340	76.	12.	0.19
MILE	65.10	798.47	11768.	3.13	3760.	512.	4.40	0.0320	76.	11.	0.20
MILE	63.00	797.02	11865.	2.63	4519.	454.	5.23	0.0400	76.	16.	0.15
MILE	60.90	795.11	11958.	2.40	4981.	372.	5.98	0.0450	76.	19.	0.12
MILE	58.80	793.87	10045.	1.76	5696.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.76	10115.	1.62	6263.	393.	5.97	0.0200	68.	19.	0.07
MILE	55.00	793.64	10193.	1.61	6341.	453.	6.45	0.0200	70.	20.	0.08
MILE	53.10	793.57	10270.	1.19	8661.	556.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.51	10356.	1.10	9390.	902.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.45	10457.	0.84	12402.	1590.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.42	10564.	0.70	15032.	1778.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.42	10636.	0.40	26913.	1476.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.41	10651.	0.76	13991.	1335.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.38	10719.	0.60	17987.	1302.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.33	10880.	0.62	17540.	1322.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.33	10987.	0.36	30734.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.32	11042.	0.58	19166.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.32	11123.	0.38	29309.	1198.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.32	11184.	0.19	60092.	2091.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.31	11306.	0.38	29839.	1715.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.31	11401.	0.36	31346.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.31	11466.	0.33	35063.	1029.	10.66	0.0200	50.	54.	0.01
MILE	27.30	793.30	11560.	0.32	36424.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.30	11669.	0.26	45211.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.30	11775.	0.32	37167.	1057.	11.32	0.0230	76.	63.	0.01

0DATE 5-13-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.97	11156.	4.84	2306.	363.	3.89	0.0290	76.	9.	0.34
MILE	77.70	824.00	11233.	3.43	3277.	398.	4.52	0.0400	76.	13.	0.21
MILE	75.60	818.42	11314.	3.54	3199.	357.	4.81	0.0400	76.	12.	0.21
MILE	73.50	813.88	11396.	3.69	3092.	286.	4.60	0.0330	76.	15.	0.20
MILE	71.40	811.37	11478.	2.95	3896.	327.	4.42	0.0400	76.	14.	0.15
MILE	69.30	807.38	11561.	3.36	3444.	377.	3.82	0.0340	76.	9.	0.20
MILE	67.20	802.57	11647.	3.02	3859.	469.	3.67	0.0340	76.	12.	0.19
MILE	65.10	798.46	11741.	3.13	3754.	511.	4.39	0.0320	76.	11.	0.20
MILE	63.00	797.00	11839.	2.62	4514.	453.	5.23	0.0400	76.	16.	0.15
MILE	60.90	795.10	11930.	2.40	4977.	371.	5.97	0.0450	76.	19.	0.12
MILE	58.80	793.87	10013.	1.76	5694.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.75	10083.	1.61	6261.	393.	5.96	0.0200	68.	19.	0.07
MILE	55.00	793.63	10161.	1.60	6339.	453.	6.45	0.0200	70.	20.	0.08
MILE	53.10	793.57	10236.	1.18	8659.	556.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.51	10327.	1.10	9388.	902.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.44	10486.	0.85	12395.	1590.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.41	10613.	0.71	15025.	1778.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.41	10751.	0.40	26903.	1476.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.40	10775.	0.77	13987.	1335.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.37	10867.	0.60	17975.	1301.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.33	10967.	0.63	17533.	1321.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.32	10997.	0.36	30726.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.32	11014.	0.57	19163.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.31	11040.	0.38	29306.	1197.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.31	11053.	0.18	60088.	2091.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.31	11077.	0.37	29838.	1715.	10.27	0.0250	63.	55.	0.02
MILE	30.10	793.31	11094.	0.35	31348.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.31	11111.	0.32	35065.	1029.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.31	11134.	0.31	36428.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.31	11166.	0.25	45219.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.31	11205.	0.30	37176.	1057.	11.32	0.0230	76.	63.	0.01

0DATE 5-14-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.95	11121.	4.83	2301.	362.	3.89	0.0290	76.	9.	0.34
MILE	77.70	823.99	11201.	3.42	3271.	397.	4.52	0.0400	76.	13.	0.21
MILE	75.60	818.41	11289.	3.53	3196.	356.	4.81	0.0400	76.	12.	0.21
MILE	73.50	813.87	11378.	3.68	3089.	286.	4.60	0.0330	76.	15.	0.20
MILE	71.40	811.36	11463.	2.94	3893.	327.	4.42	0.0400	76.	14.	0.15
MILE	69.30	807.37	11546.	3.36	3441.	377.	3.82	0.0340	76.	9.	0.20
MILE	67.20	802.56	11630.	3.02	3854.	469.	3.67	0.0340	76.	12.	0.19
MILE	65.10	798.45	11720.	3.13	3749.	510.	4.39	0.0320	76.	11.	0.20

MILE	63.00	796.99	11815.	2.62	4509.	452.	5.23	0.0400	76.	16.	0.15
MILE	60.90	795.09	11909.	2.39	4974.	371.	5.97	0.0450	76.	19.	0.12
MILE	58.80	793.86	10003.	1.76	5690.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.74	10082.	1.61	6256.	393.	5.96	0.0200	68.	19.	0.07
MILE	55.00	793.62	10169.	1.61	6335.	453.	6.45	0.0200	70.	20.	0.08
MILE	53.10	793.56	10250.	1.18	8652.	556.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.50	10334.	1.10	9383.	902.	6.04	0.0200	86.	24.	0.06
MILE	48.30	793.44	10399.	0.84	12391.	1589.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.41	10435.	0.69	15025.	1778.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.41	10471.	0.39	26905.	1476.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.40	10478.	0.75	13988.	1335.	8.28	0.0300	38.	40.	0.04
MILE	42.00	793.38	10507.	0.58	17983.	1301.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.34	10564.	0.60	17542.	1322.	7.79	0.0230	90.	42.	0.03
MILE	37.00	793.33	10662.	0.35	30740.	1094.	7.11	0.0280	56.	42.	0.01
MILE	36.00	793.32	10700.	0.56	19170.	880.	8.28	0.0280	43.	44.	0.02
MILE	34.60	793.32	10744.	0.37	29315.	1198.	9.54	0.0280	43.	45.	0.01
MILE	33.60	793.32	10777.	0.18	60109.	2092.	7.97	0.0290	56.	50.	0.01
MILE	31.50	793.32	10851.	0.36	29845.	1716.	10.28	0.0250	63.	55.	0.02
MILE	30.10	793.32	10885.	0.35	31355.	862.	9.78	0.0200	45.	53.	0.01
MILE	29.00	793.32	10921.	0.31	35072.	1029.	10.67	0.0200	50.	54.	0.01
MILE	27.30	793.31	10992.	0.30	36433.	1029.	11.07	0.0230	68.	56.	0.01
MILE	25.20	793.31	11086.	0.25	45222.	1027.	11.90	0.0230	76.	59.	0.01
MILE	23.10	793.31	11162.	0.30	37176.	1057.	11.32	0.0230	76.	63.	0.01

0DATE 5-14-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.94	11079.	4.83	2296.	362.	3.88	0.0290	76.	9.	0.34
MILE	77.70	823.97	11161.	3.42	3264.	397.	4.51	0.0400	76.	13.	0.21
MILE	75.60	818.39	11254.	3.53	3190.	356.	4.80	0.0400	76.	12.	0.21
MILE	73.50	813.86	11348.	3.68	3085.	286.	4.60	0.0330	76.	15.	0.20
MILE	71.40	811.35	11437.	2.94	3889.	327.	4.41	0.0400	76.	14.	0.15
MILE	69.30	807.36	11524.	3.35	3438.	377.	3.82	0.0340	76.	9.	0.20
MILE	67.20	802.55	11611.	3.02	3849.	469.	3.67	0.0340	76.	12.	0.19
MILE	65.10	798.43	11703.	3.13	3744.	510.	4.39	0.0320	76.	11.	0.20
MILE	63.00	796.98	11797.	2.62	4505.	452.	5.22	0.0400	76.	16.	0.15
MILE	60.90	795.09	11884.	2.39	4971.	371.	5.97	0.0450	76.	19.	0.12
MILE	58.80	793.86	9952.	1.75	5690.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.75	10006.	1.60	6257.	393.	5.96	0.0200	68.	19.	0.07
MILE	55.00	793.63	10064.	1.59	6337.	453.	6.45	0.0200	70.	20.	0.07
MILE	53.10	793.57	10117.	1.17	8657.	556.	5.91	0.0200	72.	20.	0.05
MILE	51.00	793.51	10172.	1.08	9387.	902.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.45	10254.	0.83	12399.	1590.	4.93	0.0200	86.	25.	0.05
MILE	46.20	793.42	10322.	0.69	15030.	1778.	6.63	0.0200	76.	32.	0.04
MILE	44.10	793.41	10351.	0.38	26911.	1476.	7.94	0.0300	45.	38.	0.02
MILE	43.70	793.41	10347.	0.74	13991.	1335.	8.28	0.0300	38.	40.	0.04

MILE	42.00	793.39	10243.	0.57	17997.	1302.	6.17	0.0300	83.	43.	0.03
MILE	39.10	793.39	9321.	0.53	17586.	1324.	7.80	0.0230	90.	42.	0.03
MILE	37.00	793.43	8057.	0.26	30896.	1098.	7.13	0.0280	56.	42.	0.01
MILE	36.00	793.44	7594.	0.39	19261.	884.	8.29	0.0280	43.	44.	0.01
MILE	34.60	793.46	6957.	0.24	29450.	1204.	9.56	0.0280	43.	45.	0.01
MILE	33.60	793.47	6241.	0.10	60500.	2103.	8.00	0.0290	56.	51.	0.00
MILE	31.50	793.49	4425.	0.15	29998.	1726.	10.30	0.0250	63.	55.	0.01
MILE	30.10	793.51	3670.	0.12	31552.	868.	9.82	0.0200	45.	53.	0.00
MILE	29.00	793.52	3168.	0.09	35273.	1037.	10.70	0.0200	50.	54.	0.00
MILE	27.30	793.54	2203.	0.06	36653.	1037.	11.11	0.0230	68.	56.	0.00
MILE	25.20	793.57	1147.	0.03	45502.	1037.	11.94	0.0230	76.	59.	0.00
MILE	23.10	793.60	330.	0.01	37451.	1068.	11.37	0.0230	76.	64.	0.00

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TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.93	11058.	4.82	2293.	362.	3.88	0.0290	76.	9.	0.34
MILE	77.70	823.95	11138.	3.42	3259.	396.	4.51	0.0400	76.	13.	0.21
MILE	75.60	818.37	11225.	3.53	3184.	356.	4.80	0.0400	76.	12.	0.21
MILE	73.50	813.85	11316.	3.67	3080.	286.	4.59	0.0330	76.	15.	0.20
MILE	71.40	811.33	11406.	2.94	3883.	327.	4.41	0.0400	76.	14.	0.15
MILE	69.30	807.35	11495.	3.35	3432.	377.	3.81	0.0340	76.	9.	0.20
MILE	67.20	802.54	11585.	3.01	3843.	469.	3.66	0.0340	76.	12.	0.19
MILE	65.10	798.42	11680.	3.12	3740.	509.	4.38	0.0320	76.	11.	0.20
MILE	63.00	796.97	11770.	2.61	4502.	451.	5.22	0.0400	76.	16.	0.15
MILE	60.90	795.09	11852.	2.38	4971.	371.	5.97	0.0450	76.	19.	0.11
MILE	58.80	793.87	9929.	1.74	5693.	352.	6.12	0.0400	-1930.	21.	0.08
MILE	57.00	793.76	9983.	1.59	6262.	393.	5.96	0.0200	68.	19.	0.07
MILE	55.00	793.65	10010.	1.58	6344.	453.	6.46	0.0200	70.	20.	0.07
MILE	53.10	793.60	9940.	1.15	8677.	557.	5.92	0.0200	72.	20.	0.05
MILE	51.00	793.57	9600.	1.02	9420.	904.	6.05	0.0200	86.	24.	0.06
MILE	48.30	793.59	8094.	0.65	12548.	1598.	4.92	0.0200	86.	25.	0.04
MILE	46.20	793.61	6301.	0.41	15199.	1790.	6.67	0.0200	76.	32.	0.03
MILE	44.10	793.64	4602.	0.17	27184.	1488.	7.98	0.0300	45.	38.	0.01
MILE	43.70	793.65	4333.	0.31	14115.	1346.	8.26	0.0300	38.	41.	0.02
MILE	42.00	793.68	3264.	0.18	18338.	1315.	6.16	0.0300	83.	44.	0.01
MILE	39.10	793.71	2088.	0.12	17840.	1339.	7.83	0.0230	90.	43.	0.01
MILE	37.00	793.70	2082.	0.07	31333.	1108.	7.19	0.0280	56.	42.	0.00
MILE	36.00	793.70	2126.	0.11	19468.	892.	8.31	0.0280	43.	45.	0.00
MILE	34.60	793.70	2145.	0.07	29690.	1214.	9.59	0.0280	43.	45.	0.00
MILE	33.60	793.70	1994.	0.03	61124.	2120.	8.05	0.0290	56.	51.	0.00
MILE	31.50	793.70	1343.	0.04	30189.	1739.	10.33	0.0250	63.	55.	0.00
MILE	30.10	793.70	1176.	0.04	31756.	874.	9.85	0.0200	45.	53.	0.00
MILE	29.00	793.70	1149.	0.03	35456.	1043.	10.73	0.0200	50.	54.	0.00
MILE	27.30	793.70	1168.	0.03	36811.	1043.	11.13	0.0230	68.	57.	0.00
MILE	25.20	793.69	1130.	0.02	45632.	1041.	11.95	0.0230	76.	59.	0.00

MILE	23.10	793.67	1127.	0.03	37517.	1071.	11.38	0.0230	76.	64.	0.00

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TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.91	11024.	4.82	2289.	362.	3.88	0.0290	76.	9.	0.34
MILE	77.70	823.93	11105.	3.41	3253.	396.	4.50	0.0400	76.	13.	0.21
MILE	75.60	818.35	11195.	3.52	3179.	355.	4.80	0.0400	76.	12.	0.21
MILE	73.50	813.83	11288.	3.67	3075.	285.	4.59	0.0330	76.	15.	0.20
MILE	71.40	811.32	11378.	2.93	3878.	327.	4.41	0.0400	76.	14.	0.15
MILE	69.30	807.34	11467.	3.35	3427.	377.	3.81	0.0340	76.	9.	0.20
MILE	67.20	802.53	11559.	3.01	3837.	468.	3.66	0.0340	76.	12.	0.19
MILE	65.10	798.42	11659.	3.12	3738.	509.	4.38	0.0320	76.	11.	0.20
MILE	63.00	796.99	11722.	2.60	4508.	452.	5.23	0.0400	76.	16.	0.15
MILE	60.90	795.19	11638.	2.32	5007.	375.	5.99	0.0450	76.	19.	0.11
MILE	58.80	794.13	9255.	1.60	5792.	355.	6.15	0.0400	-1930.	21.	0.07
MILE	57.00	794.07	8839.	1.38	6394.	397.	6.03	0.0200	68.	19.	0.06
MILE	55.00	794.01	8328.	1.29	6478.	458.	6.50	0.0200	70.	21.	0.06
MILE	53.10	793.98	7810.	0.88	8905.	564.	5.99	0.0200	72.	21.	0.04
MILE	51.00	793.95	7154.	0.74	9609.	916.	6.11	0.0200	86.	25.	0.04
MILE	48.30	793.89	6519.	0.51	12881.	1615.	4.91	0.0200	86.	25.	0.03
MILE	46.20	793.87	5763.	0.37	15426.	1806.	6.71	0.0200	76.	32.	0.02
MILE	44.10	793.85	4968.	0.18	27432.	1499.	8.02	0.0300	45.	39.	0.01
MILE	43.70	793.85	4861.	0.34	14218.	1356.	8.24	0.0300	38.	41.	0.02
MILE	42.00	793.82	4561.	0.25	18509.	1322.	6.16	0.0300	83.	44.	0.01
MILE	39.10	793.79	4062.	0.23	17908.	1343.	7.84	0.0230	90.	43.	0.01
MILE	37.00	793.80	2906.	0.09	31491.	1112.	7.22	0.0280	56.	42.	0.00
MILE	36.00	793.80	2470.	0.13	19547.	895.	8.32	0.0280	43.	45.	0.00
MILE	34.60	793.80	1936.	0.07	29785.	1218.	9.60	0.0280	43.	45.	0.00
MILE	33.60	793.80	1480.	0.02	61377.	2126.	8.07	0.0290	56.	51.	0.00
MILE	31.50	793.80	557.	0.02	30276.	1745.	10.34	0.0250	63.	55.	0.00
MILE	30.10	793.80	156.	0.00	31862.	877.	9.87	0.0200	45.	53.	0.00
MILE	29.00	793.80	-112.	0.00	35558.	1047.	10.75	0.0200	50.	54.	0.00
MILE	27.30	793.80	-629.	-0.02	36911.	1047.	11.14	0.0230	68.	57.	0.00
MILE	25.20	793.82	-1189.	-0.03	45771.	1045.	11.97	0.0230	76.	59.	0.00
MILE	23.10	793.84	-1798.	-0.05	37678.	1077.	11.40	0.0230	76.	64.	0.00

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TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.89	10983.	4.81	2283.	362.	3.87	0.0290	76.	9.	0.34

MILE	77.70	823.91	11066.	3.41	3246.	395.	4.50	0.0400	76.	13.	0.21
MILE	75.60	818.33	11160.	3.52	3172.	355.	4.79	0.0400	76.	12.	0.21
MILE	73.50	813.82	11259.	3.67	3071.	285.	4.59	0.0330	76.	15.	0.20
MILE	71.40	811.31	11355.	2.93	3873.	327.	4.40	0.0400	76.	14.	0.15
MILE	69.30	807.34	11454.	3.34	3425.	376.	3.81	0.0340	76.	9.	0.20
MILE	67.20	802.53	11554.	3.01	3839.	468.	3.66	0.0340	76.	12.	0.19
MILE	65.10	798.47	11615.	3.09	3759.	512.	4.40	0.0320	76.	11.	0.20
MILE	63.00	797.11	11543.	2.53	4554.	458.	5.25	0.0400	76.	16.	0.14
MILE	60.90	795.43	11446.	2.25	5092.	385.	6.05	0.0450	76.	19.	0.11
MILE	58.80	794.39	9458.	1.61	5889.	359.	6.18	0.0400	-1930.	21.	0.07
MILE	57.00	794.30	9469.	1.46	6494.	400.	6.08	0.0200	68.	19.	0.06
MILE	55.00	794.20	9436.	1.44	6551.	462.	6.53	0.0200	70.	21.	0.07
MILE	53.10	794.14	9386.	1.04	9005.	567.	6.02	0.0200	72.	21.	0.05
MILE	51.00	794.09	9217.	0.95	9683.	920.	6.13	0.0200	86.	25.	0.05
MILE	48.30	794.06	8196.	0.63	13067.	1624.	4.91	0.0200	86.	25.	0.04
MILE	46.20	794.05	6814.	0.44	15587.	1817.	6.74	0.0200	76.	32.	0.03
MILE	44.10	794.05	5809.	0.21	27672.	1509.	8.05	0.0300	45.	39.	0.01
MILE	43.70	794.05	5628.	0.39	14325.	1365.	8.23	0.0300	38.	41.	0.02
MILE	42.00	794.05	4725.	0.25	18792.	1332.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.06	3025.	0.17	18132.	1356.	7.86	0.0230	90.	43.	0.01
MILE	37.00	794.05	2720.	0.09	31904.	1122.	7.28	0.0280	56.	43.	0.00
MILE	36.00	794.05	2571.	0.13	19749.	903.	8.34	0.0280	43.	45.	0.00
MILE	34.60	794.05	2248.	0.07	30034.	1228.	9.64	0.0280	43.	46.	0.00
MILE	33.60	794.05	1834.	0.03	62045.	2145.	8.12	0.0290	56.	51.	0.00
MILE	31.50	794.04	735.	0.02	30496.	1759.	10.38	0.0250	63.	55.	0.00
MILE	30.10	794.04	171.	0.01	32109.	884.	9.91	0.0200	45.	53.	0.00
MILE	29.00	794.04	-118.	0.00	35790.	1055.	10.78	0.0200	50.	54.	0.00
MILE	27.30	794.03	-531.	-0.01	37136.	1055.	11.18	0.0230	68.	57.	0.00
MILE	25.20	794.02	-957.	-0.02	45988.	1053.	12.00	0.0230	76.	60.	0.00
MILE	23.10	794.00	-1359.	-0.04	37830.	1083.	11.43	0.0230	76.	64.	0.00

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TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.88	10957.	4.81	2278.	361.	3.87	0.0290	76.	9.	0.34
MILE	77.70	823.90	11042.	3.41	3240.	394.	4.49	0.0400	76.	13.	0.21
MILE	75.60	818.31	11139.	3.52	3167.	354.	4.79	0.0400	76.	12.	0.21
MILE	73.50	813.81	11241.	3.66	3067.	285.	4.59	0.0330	76.	15.	0.20
MILE	71.40	811.30	11340.	2.93	3871.	327.	4.40	0.0400	76.	14.	0.15
MILE	69.30	807.33	11436.	3.34	3423.	376.	3.81	0.0340	76.	9.	0.20
MILE	67.20	802.54	11524.	3.00	3841.	469.	3.66	0.0340	76.	12.	0.18
MILE	65.10	798.52	11583.	3.07	3779.	514.	4.41	0.0320	76.	12.	0.20
MILE	63.00	797.17	11587.	2.53	4578.	461.	5.26	0.0400	76.	16.	0.14
MILE	60.90	795.51	11534.	2.25	5118.	388.	6.07	0.0450	76.	19.	0.11
MILE	58.80	794.51	9345.	1.58	5933.	360.	6.20	0.0400	-1930.	21.	0.07
MILE	57.00	794.43	9167.	1.40	6552.	402.	6.11	0.0200	68.	20.	0.06

MILE	55.00	794.36	8960.	1.36	6611.	464.	6.55	0.0200	70.	21.	0.06
MILE	53.10	794.33	8684.	0.95	9119.	571.	6.06	0.0200	72.	21.	0.04
MILE	51.00	794.31	8165.	0.83	9794.	927.	6.16	0.0200	86.	25.	0.05
MILE	48.30	794.28	7297.	0.55	13319.	1636.	4.90	0.0200	86.	25.	0.03
MILE	46.20	794.26	6870.	0.44	15769.	1830.	6.78	0.0200	76.	32.	0.03
MILE	44.10	794.25	6021.	0.22	27912.	1519.	8.08	0.0300	45.	39.	0.01
MILE	43.70	794.25	5917.	0.41	14430.	1375.	8.21	0.0300	38.	41.	0.02
MILE	42.00	794.23	5734.	0.30	19006.	1340.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.16	6445.	0.35	18209.	1360.	7.87	0.0230	90.	43.	0.02
MILE	37.00	794.12	6735.	0.21	32012.	1124.	7.29	0.0280	56.	43.	0.01
MILE	36.00	794.11	6820.	0.34	19794.	904.	8.35	0.0280	43.	45.	0.01
MILE	34.60	794.09	6952.	0.23	30074.	1230.	9.64	0.0280	43.	46.	0.01
MILE	33.60	794.08	7165.	0.12	62134.	2147.	8.12	0.0290	56.	51.	0.00
MILE	31.50	794.06	7816.	0.26	30511.	1760.	10.38	0.0250	63.	55.	0.01
MILE	30.10	794.04	8039.	0.25	32115.	884.	9.92	0.0200	45.	53.	0.01
MILE	29.00	794.03	8232.	0.23	35787.	1055.	10.78	0.0200	50.	54.	0.01
MILE	27.30	794.01	8672.	0.23	37114.	1054.	11.18	0.0230	68.	57.	0.01
MILE	25.20	793.99	9167.	0.20	45961.	1052.	12.00	0.0230	76.	59.	0.01
MILE	23.10	793.97	9294.	0.25	37802.	1082.	11.42	0.0230	76.	64.	0.01

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TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.85	10912.	4.81	2269.	361.	3.86	0.0290	76.	9.	0.34
MILE	77.70	823.87	11002.	3.40	3232.	394.	4.48	0.0400	76.	13.	0.21
MILE	75.60	818.30	11107.	3.51	3162.	354.	4.78	0.0400	76.	12.	0.21
MILE	73.50	813.79	11212.	3.66	3064.	285.	4.58	0.0330	76.	15.	0.20
MILE	71.40	811.29	11310.	2.93	3867.	327.	4.40	0.0400	76.	13.	0.15
MILE	69.30	807.32	11404.	3.34	3419.	376.	3.81	0.0340	76.	9.	0.20
MILE	67.20	802.53	11494.	2.99	3840.	469.	3.66	0.0340	76.	12.	0.18
MILE	65.10	798.56	11552.	3.04	3797.	516.	4.42	0.0320	76.	12.	0.20
MILE	63.00	797.26	11508.	2.50	4611.	466.	5.28	0.0400	76.	16.	0.14
MILE	60.90	795.68	11407.	2.20	5177.	395.	6.11	0.0450	76.	19.	0.11
MILE	58.80	794.71	9357.	1.56	6010.	363.	6.22	0.0400	-1930.	22.	0.07
MILE	57.00	794.62	9348.	1.41	6634.	405.	6.15	0.0200	68.	20.	0.06
MILE	55.00	794.52	9323.	1.40	6674.	467.	6.58	0.0200	70.	21.	0.07
MILE	53.10	794.46	9369.	1.02	9197.	573.	6.08	0.0200	72.	21.	0.04
MILE	51.00	794.38	9621.	0.98	9831.	930.	6.17	0.0200	86.	25.	0.05
MILE	48.30	794.28	10486.	0.79	13320.	1636.	4.90	0.0200	86.	25.	0.05
MILE	46.20	794.24	10751.	0.68	15756.	1829.	6.77	0.0200	76.	32.	0.04
MILE	44.10	794.21	11460.	0.41	27865.	1517.	8.08	0.0300	45.	39.	0.02
MILE	43.70	794.20	11571.	0.80	14403.	1372.	8.22	0.0300	38.	41.	0.04
MILE	42.00	794.14	12008.	0.64	18902.	1337.	6.16	0.0300	83.	44.	0.03
MILE	39.10	794.06	12579.	0.69	18126.	1355.	7.86	0.0230	90.	43.	0.03
MILE	37.00	794.04	13097.	0.41	31875.	1121.	7.27	0.0280	56.	43.	0.01
MILE	36.00	794.01	13281.	0.67	19720.	901.	8.34	0.0280	43.	45.	0.03

MILE	34.60	793.99	13524.	0.45	29978.	1226.	9.63	0.0280	43.	45.	0.02
MILE	33.60	793.99	13797.	0.22	61880.	2140.	8.10	0.0290	56.	51.	0.01
MILE	31.50	793.97	14534.	0.48	30432.	1755.	10.37	0.0250	63.	55.	0.02
MILE	30.10	793.96	14823.	0.46	32022.	882.	9.90	0.0200	45.	53.	0.01
MILE	29.00	793.95	14985.	0.42	35700.	1052.	10.77	0.0200	50.	54.	0.01
MILE	27.30	793.93	15241.	0.41	37038.	1052.	11.16	0.0230	68.	57.	0.01
MILE	25.20	793.92	15545.	0.34	45881.	1049.	11.99	0.0230	76.	59.	0.01
MILE	23.10	793.91	15719.	0.42	37745.	1080.	11.41	0.0230	76.	64.	0.01

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.82	10876.	4.81	2261.	361.	3.85	0.0290	76.	9.	0.34
MILE	77.70	823.85	10964.	3.40	3224.	393.	4.48	0.0400	76.	13.	0.21
MILE	75.60	818.27	11066.	3.51	3154.	353.	4.78	0.0400	76.	12.	0.21
MILE	73.50	813.77	11171.	3.65	3058.	284.	4.58	0.0330	76.	15.	0.20
MILE	71.40	811.28	11271.	2.92	3860.	326.	4.39	0.0400	76.	13.	0.15
MILE	69.30	807.31	11367.	3.33	3413.	376.	3.80	0.0340	76.	9.	0.19
MILE	67.20	802.53	11455.	2.98	3840.	468.	3.66	0.0340	76.	12.	0.18
MILE	65.10	798.60	11513.	3.02	3813.	518.	4.43	0.0320	76.	12.	0.20
MILE	63.00	797.30	11558.	2.50	4626.	468.	5.29	0.0400	76.	16.	0.14
MILE	60.90	795.66	11703.	2.26	5170.	394.	6.11	0.0450	76.	19.	0.11
MILE	58.80	794.59	9960.	1.67	5962.	361.	6.21	0.0400	-1930.	22.	0.07
MILE	57.00	794.48	10179.	1.55	6573.	403.	6.12	0.0200	68.	20.	0.07
MILE	55.00	794.37	10468.	1.58	6614.	464.	6.55	0.0200	70.	21.	0.07
MILE	53.10	794.30	10816.	1.19	9100.	570.	6.05	0.0200	72.	21.	0.05
MILE	51.00	794.23	11318.	1.16	9754.	925.	6.15	0.0200	86.	25.	0.06
MILE	48.30	794.15	12108.	0.92	13173.	1629.	4.91	0.0200	86.	25.	0.06
MILE	46.20	794.10	13176.	0.84	15632.	1820.	6.75	0.0200	76.	32.	0.05
MILE	44.10	794.09	13939.	0.50	27723.	1511.	8.06	0.0300	45.	39.	0.02
MILE	43.70	794.08	14052.	0.98	14340.	1367.	8.23	0.0300	38.	41.	0.05
MILE	42.00	794.04	14452.	0.77	18770.	1332.	6.16	0.0300	83.	44.	0.04
MILE	39.10	793.96	14938.	0.83	18046.	1351.	7.85	0.0230	90.	43.	0.04
MILE	37.00	793.95	15026.	0.47	31741.	1118.	7.25	0.0280	56.	43.	0.02
MILE	36.00	793.94	15054.	0.77	19662.	899.	8.34	0.0280	43.	45.	0.03
MILE	34.60	793.94	15067.	0.50	29931.	1224.	9.62	0.0280	43.	45.	0.02
MILE	33.60	793.95	15045.	0.24	61779.	2137.	8.10	0.0290	56.	51.	0.01
MILE	31.50	793.94	14974.	0.49	30407.	1753.	10.36	0.0250	63.	55.	0.02
MILE	30.10	793.94	15020.	0.47	32009.	881.	9.90	0.0200	45.	53.	0.01
MILE	29.00	793.94	15012.	0.42	35699.	1052.	10.77	0.0200	50.	54.	0.01
MILE	27.30	793.95	14882.	0.40	37055.	1052.	11.17	0.0230	68.	57.	0.01
MILE	25.20	793.96	14640.	0.32	45929.	1051.	11.99	0.0230	76.	59.	0.01
MILE	23.10	793.96	14611.	0.39	37792.	1082.	11.42	0.0230	76.	64.	0.01

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.81	10852.	4.81	2256.	360.	3.85	0.0290	76.	9.	0.34
MILE	77.70	823.83	10936.	3.40	3218.	392.	4.47	0.0400	76.	13.	0.21
MILE	75.60	818.25	11031.	3.51	3147.	353.	4.77	0.0400	76.	12.	0.21
MILE	73.50	813.75	11128.	3.65	3051.	284.	4.57	0.0330	76.	15.	0.20
MILE	71.40	811.26	11219.	2.91	3851.	326.	4.39	0.0400	76.	13.	0.15
MILE	69.30	807.29	11307.	3.32	3404.	376.	3.80	0.0340	76.	9.	0.19
MILE	67.20	802.51	11394.	2.98	3829.	468.	3.65	0.0340	76.	12.	0.18
MILE	65.10	798.57	11496.	3.02	3802.	516.	4.43	0.0320	76.	12.	0.20
MILE	63.00	797.25	11645.	2.53	4605.	465.	5.28	0.0400	76.	16.	0.14
MILE	60.90	795.54	11840.	2.31	5128.	389.	6.08	0.0450	76.	19.	0.11
MILE	58.80	794.42	10079.	1.71	5898.	359.	6.19	0.0400	-1930.	21.	0.07
MILE	57.00	794.31	10304.	1.59	6498.	400.	6.08	0.0200	68.	20.	0.07
MILE	55.00	794.19	10564.	1.61	6548.	461.	6.53	0.0200	70.	21.	0.08
MILE	53.10	794.14	10794.	1.20	9000.	567.	6.02	0.0200	72.	21.	0.05
MILE	51.00	794.08	11061.	1.14	9678.	920.	6.12	0.0200	86.	25.	0.06
MILE	48.30	794.03	11453.	0.88	13035.	1622.	4.91	0.0200	86.	25.	0.05
MILE	46.20	794.01	11756.	0.76	15551.	1815.	6.73	0.0200	76.	32.	0.05
MILE	44.10	794.02	12022.	0.44	27630.	1507.	8.04	0.0300	45.	39.	0.02
MILE	43.70	794.01	12066.	0.84	14303.	1363.	8.23	0.0300	38.	41.	0.05
MILE	42.00	793.99	12232.	0.65	18714.	1330.	6.16	0.0300	83.	44.	0.03
MILE	39.10	793.94	12712.	0.70	18033.	1350.	7.85	0.0230	90.	43.	0.03
MILE	37.00	793.93	13289.	0.42	31708.	1117.	7.25	0.0280	56.	43.	0.01
MILE	36.00	793.92	13560.	0.69	19643.	899.	8.33	0.0280	43.	45.	0.03
MILE	34.60	793.91	13947.	0.47	29899.	1223.	9.62	0.0280	43.	45.	0.02
MILE	33.60	793.91	14226.	0.23	61685.	2135.	8.09	0.0290	56.	51.	0.01
MILE	31.50	793.91	14680.	0.48	30375.	1751.	10.36	0.0250	63.	55.	0.02
MILE	30.10	793.90	14978.	0.47	31967.	880.	9.89	0.0200	45.	53.	0.01
MILE	29.00	793.90	15196.	0.43	35655.	1050.	10.76	0.0200	50.	54.	0.01
MILE	27.30	793.90	15603.	0.42	37004.	1050.	11.16	0.0230	68.	57.	0.01
MILE	25.20	793.89	16076.	0.35	45853.	1048.	11.98	0.0230	76.	59.	0.01
MILE	23.10	793.88	16481.	0.44	37717.	1079.	11.41	0.0230	76.	64.	0.01

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.79	10812.	4.80	2251.	360.	3.84	0.0290	76.	9.	0.34
MILE	77.70	823.81	10893.	3.39	3210.	392.	4.46	0.0400	76.	13.	0.21
MILE	75.60	818.22	10983.	3.50	3139.	352.	4.77	0.0400	76.	12.	0.21
MILE	73.50	813.73	11076.	3.64	3042.	283.	4.57	0.0330	76.	15.	0.20
MILE	71.40	811.23	11163.	2.91	3841.	326.	4.38	0.0400	76.	13.	0.15

MILE	69.30	807.27	11249.	3.32	3393.	376.	3.79	0.0340	76.	9.	0.19
MILE	67.20	802.49	11342.	2.97	3813.	467.	3.65	0.0340	76.	12.	0.18
MILE	65.10	798.52	11468.	3.03	3781.	514.	4.41	0.0320	76.	12.	0.20
MILE	63.00	797.18	11635.	2.54	4580.	462.	5.27	0.0400	76.	16.	0.14
MILE	60.90	795.46	11788.	2.31	5100.	386.	6.06	0.0450	76.	19.	0.11
MILE	58.80	794.36	9891.	1.68	5876.	358.	6.18	0.0400	-1930.	21.	0.07
MILE	57.00	794.26	9950.	1.54	6478.	400.	6.07	0.0200	68.	19.	0.07
MILE	55.00	794.16	10014.	1.53	6536.	461.	6.53	0.0200	70.	21.	0.07
MILE	53.10	794.11	10096.	1.12	8982.	567.	6.01	0.0200	72.	21.	0.05
MILE	51.00	794.05	10271.	1.06	9661.	919.	6.12	0.0200	86.	25.	0.06
MILE	48.30	793.98	10853.	0.84	12979.	1619.	4.91	0.0200	86.	25.	0.05
MILE	46.20	793.95	11360.	0.73	15495.	1811.	6.72	0.0200	76.	32.	0.04
MILE	44.10	793.94	11848.	0.43	27537.	1503.	8.03	0.0300	45.	39.	0.02
MILE	43.70	793.93	11934.	0.84	14260.	1360.	8.24	0.0300	38.	41.	0.05
MILE	42.00	793.89	12315.	0.66	18597.	1325.	6.16	0.0300	83.	44.	0.03
MILE	39.10	793.84	12700.	0.71	17952.	1345.	7.84	0.0230	90.	43.	0.03
MILE	37.00	793.86	12441.	0.39	31584.	1114.	7.23	0.0280	56.	43.	0.01
MILE	36.00	793.85	12352.	0.63	19589.	896.	8.33	0.0280	43.	45.	0.02
MILE	34.60	793.86	12264.	0.41	29842.	1220.	9.61	0.0280	43.	45.	0.01
MILE	33.60	793.86	12209.	0.20	61540.	2131.	8.08	0.0290	56.	51.	0.01
MILE	31.50	793.86	12153.	0.40	30332.	1748.	10.35	0.0250	63.	55.	0.02
MILE	30.10	793.87	12183.	0.38	31928.	879.	9.88	0.0200	45.	53.	0.01
MILE	29.00	793.87	12176.	0.34	35624.	1049.	10.76	0.0200	50.	54.	0.01
MILE	27.30	793.88	12085.	0.33	36983.	1050.	11.16	0.0230	68.	57.	0.01
MILE	25.20	793.89	11918.	0.26	45851.	1048.	11.98	0.0230	76.	59.	0.01
MILE	23.10	793.91	11785.	0.31	37745.	1080.	11.41	0.0230	76.	64.	0.01

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TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.79	10793.	4.80	2251.	360.	3.84	0.0290	76.	9.	0.34
MILE	77.70	823.79	10867.	3.39	3205.	391.	4.46	0.0400	76.	13.	0.21
MILE	75.60	818.20	10946.	3.50	3131.	351.	4.76	0.0400	76.	12.	0.21
MILE	73.50	813.70	11031.	3.64	3034.	283.	4.56	0.0330	76.	15.	0.20
MILE	71.40	811.21	11116.	2.90	3831.	326.	4.37	0.0400	76.	13.	0.15
MILE	69.30	807.25	11206.	3.31	3383.	375.	3.78	0.0340	76.	9.	0.19
MILE	67.20	802.46	11304.	2.97	3800.	466.	3.64	0.0340	76.	12.	0.18
MILE	65.10	798.48	11424.	3.03	3764.	512.	4.40	0.0320	76.	11.	0.20
MILE	63.00	797.14	11559.	2.53	4565.	460.	5.26	0.0400	76.	16.	0.14
MILE	60.90	795.42	11711.	2.30	5087.	384.	6.05	0.0450	76.	19.	0.11
MILE	58.80	794.31	9897.	1.69	5858.	358.	6.17	0.0400	-1930.	21.	0.07
MILE	57.00	794.21	10049.	1.56	6454.	399.	6.06	0.0200	68.	19.	0.07
MILE	55.00	794.10	10219.	1.57	6512.	460.	6.52	0.0200	70.	21.	0.07
MILE	53.10	794.04	10383.	1.16	8941.	565.	6.00	0.0200	72.	21.	0.05
MILE	51.00	793.99	10546.	1.10	9629.	917.	6.11	0.0200	86.	25.	0.06
MILE	48.30	793.94	10471.	0.81	12939.	1617.	4.91	0.0200	86.	25.	0.05

MILE	46.20	793.93	10265.	0.66	15480.	1810.	6.72	0.0200	76.	32.	0.04
MILE	44.10	793.94	10157.	0.37	27534.	1503.	8.03	0.0300	45.	39.	0.02
MILE	43.70	793.93	10131.	0.71	14262.	1360.	8.24	0.0300	38.	41.	0.04
MILE	42.00	793.93	9923.	0.53	18636.	1327.	6.16	0.0300	83.	44.	0.03
MILE	39.10	793.92	9403.	0.52	18013.	1349.	7.85	0.0230	90.	43.	0.03
MILE	37.00	793.91	9561.	0.30	31679.	1116.	7.24	0.0280	56.	43.	0.01
MILE	36.00	793.91	9593.	0.49	19638.	898.	8.33	0.0280	43.	45.	0.02
MILE	34.60	793.92	9566.	0.32	29904.	1223.	9.62	0.0280	43.	45.	0.01
MILE	33.60	793.92	9514.	0.15	61704.	2135.	8.09	0.0290	56.	51.	0.01
MILE	31.50	793.92	9361.	0.31	30383.	1752.	10.36	0.0250	63.	55.	0.01
MILE	30.10	793.92	9197.	0.29	31986.	881.	9.89	0.0200	45.	53.	0.01
MILE	29.00	793.93	9144.	0.26	35680.	1051.	10.77	0.0200	50.	54.	0.01
MILE	27.30	793.93	9140.	0.25	37034.	1051.	11.16	0.0230	68.	57.	0.01
MILE	25.20	793.93	9203.	0.20	45891.	1049.	11.99	0.0230	76.	59.	0.01
MILE	23.10	793.92	9277.	0.25	37754.	1080.	11.42	0.0230	76.	64.	0.01

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TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.78	10743.	4.78	2247.	360.	3.84	0.0290	76.	9.	0.34
MILE	77.70	823.77	10821.	3.38	3197.	391.	4.45	0.0400	76.	13.	0.21
MILE	75.60	818.18	10908.	3.49	3124.	351.	4.75	0.0400	76.	12.	0.21
MILE	73.50	813.68	10999.	3.63	3028.	282.	4.56	0.0330	76.	14.	0.20
MILE	71.40	811.19	11087.	2.90	3824.	325.	4.37	0.0400	76.	13.	0.15
MILE	69.30	807.24	11175.	3.31	3377.	375.	3.78	0.0340	76.	9.	0.19
MILE	67.20	802.44	11268.	2.97	3789.	466.	3.63	0.0340	76.	12.	0.18
MILE	65.10	798.44	11386.	3.04	3748.	510.	4.39	0.0320	76.	11.	0.20
MILE	63.00	797.09	11528.	2.54	4547.	457.	5.25	0.0400	76.	16.	0.14
MILE	60.90	795.38	11636.	2.29	5073.	383.	6.04	0.0450	76.	19.	0.11
MILE	58.80	794.31	9648.	1.65	5857.	358.	6.17	0.0400	-1930.	21.	0.07
MILE	57.00	794.22	9630.	1.49	6460.	399.	6.06	0.0200	68.	19.	0.07
MILE	55.00	794.13	9599.	1.47	6525.	460.	6.52	0.0200	70.	21.	0.07
MILE	53.10	794.09	9533.	1.06	8972.	566.	6.01	0.0200	72.	21.	0.05
MILE	51.00	794.05	9377.	0.97	9663.	919.	6.12	0.0200	86.	25.	0.05
MILE	48.30	794.01	9132.	0.70	13017.	1621.	4.91	0.0200	86.	25.	0.04
MILE	46.20	793.99	9053.	0.58	15535.	1814.	6.73	0.0200	76.	32.	0.04
MILE	44.10	793.99	8760.	0.32	27601.	1506.	8.04	0.0300	45.	39.	0.01
MILE	43.70	793.99	8728.	0.61	14292.	1362.	8.23	0.0300	38.	41.	0.03
MILE	42.00	793.97	8697.	0.47	18694.	1329.	6.16	0.0300	83.	44.	0.02
MILE	39.10	793.94	8843.	0.49	18032.	1350.	7.85	0.0230	90.	43.	0.02
MILE	37.00	793.95	8614.	0.27	31728.	1117.	7.25	0.0280	56.	43.	0.01
MILE	36.00	793.94	8528.	0.43	19661.	899.	8.34	0.0280	43.	45.	0.02
MILE	34.60	793.94	8433.	0.28	29927.	1224.	9.62	0.0280	43.	45.	0.01
MILE	33.60	793.94	8378.	0.14	61760.	2137.	8.10	0.0290	56.	51.	0.00
MILE	31.50	793.94	8330.	0.27	30405.	1753.	10.36	0.0250	63.	55.	0.01
MILE	30.10	793.94	8296.	0.26	32008.	881.	9.90	0.0200	45.	53.	0.01

MILE	29.00	793.94	8289.	0.23	35696.	1052.	10.77	0.0200	50.	54.	0.01
MILE	27.30	793.94	8303.	0.22	37046.	1052.	11.16	0.0230	68.	57.	0.01
MILE	25.20	793.94	8402.	0.18	45908.	1050.	11.99	0.0230	76.	59.	0.00
MILE	23.10	793.95	8336.	0.22	37783.	1081.	11.42	0.0230	76.	64.	0.01

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TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.77	10723.	4.78	2245.	360.	3.83	0.0290	76.	9.	0.34
MILE	77.70	823.76	10800.	3.38	3193.	390.	4.45	0.0400	76.	13.	0.21
MILE	75.60	818.16	10883.	3.49	3119.	350.	4.75	0.0400	76.	12.	0.21
MILE	73.50	813.67	10971.	3.63	3023.	282.	4.55	0.0330	76.	14.	0.20
MILE	71.40	811.18	11058.	2.90	3818.	325.	4.36	0.0400	76.	13.	0.15
MILE	69.30	807.22	11149.	3.31	3371.	375.	3.77	0.0340	76.	9.	0.19
MILE	67.20	802.43	11244.	2.97	3781.	465.	3.63	0.0340	76.	12.	0.18
MILE	65.10	798.43	11349.	3.03	3741.	510.	4.38	0.0320	76.	11.	0.20
MILE	63.00	797.09	11429.	2.51	4547.	457.	5.25	0.0400	76.	16.	0.14
MILE	60.90	795.43	11468.	2.25	5091.	385.	6.05	0.0450	76.	19.	0.11
MILE	58.80	794.40	9496.	1.61	5891.	359.	6.19	0.0400	-1930.	21.	0.07
MILE	57.00	794.31	9518.	1.46	6498.	400.	6.08	0.0200	68.	20.	0.06
MILE	55.00	794.21	9521.	1.45	6555.	462.	6.53	0.0200	70.	21.	0.07
MILE	53.10	794.16	9515.	1.06	9016.	568.	6.02	0.0200	72.	21.	0.05
MILE	51.00	794.11	9497.	0.98	9693.	921.	6.13	0.0200	86.	25.	0.05
MILE	48.30	794.06	9373.	0.72	13072.	1624.	4.91	0.0200	86.	25.	0.04
MILE	46.20	794.05	8948.	0.57	15584.	1817.	6.74	0.0200	76.	32.	0.03
MILE	44.10	794.04	8843.	0.32	27660.	1509.	8.05	0.0300	45.	39.	0.01
MILE	43.70	794.04	8825.	0.62	14317.	1365.	8.23	0.0300	38.	41.	0.03
MILE	42.00	794.02	8724.	0.47	18748.	1331.	6.16	0.0300	83.	44.	0.02
MILE	39.10	793.99	8412.	0.47	18076.	1352.	7.86	0.0230	90.	43.	0.02
MILE	37.00	793.99	8527.	0.27	31796.	1119.	7.26	0.0280	56.	43.	0.01
MILE	36.00	793.98	8569.	0.44	19692.	900.	8.34	0.0280	43.	45.	0.02
MILE	34.60	793.98	8597.	0.29	29961.	1225.	9.63	0.0280	43.	45.	0.01
MILE	33.60	793.97	8600.	0.14	61850.	2139.	8.10	0.0290	56.	51.	0.00
MILE	31.50	793.97	8593.	0.28	30430.	1755.	10.37	0.0250	63.	55.	0.01
MILE	30.10	793.97	8620.	0.27	32032.	882.	9.90	0.0200	45.	53.	0.01
MILE	29.00	793.96	8649.	0.24	35717.	1053.	10.77	0.0200	50.	54.	0.01
MILE	27.30	793.96	8680.	0.23	37065.	1053.	11.17	0.0230	68.	57.	0.01
MILE	25.20	793.96	8656.	0.19	45925.	1050.	11.99	0.0230	76.	59.	0.01
MILE	23.10	793.95	8756.	0.23	37783.	1081.	11.42	0.0230	76.	64.	0.01

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TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.77	10709.	4.77	2244.	360.	3.83	0.0290	76.	9.	0.34
MILE	77.70	823.75	10787.	3.38	3190.	390.	4.45	0.0400	76.	13.	0.21
MILE	75.60	818.15	10870.	3.49	3115.	350.	4.75	0.0400	76.	12.	0.21
MILE	73.50	813.66	10957.	3.63	3020.	282.	4.55	0.0330	76.	14.	0.20
MILE	71.40	811.17	11044.	2.89	3815.	325.	4.36	0.0400	76.	13.	0.15
MILE	69.30	807.22	11133.	3.31	3368.	375.	3.77	0.0340	76.	9.	0.19
MILE	67.20	802.42	11223.	2.97	3776.	465.	3.62	0.0340	76.	12.	0.18
MILE	65.10	798.42	11313.	3.02	3740.	510.	4.38	0.0320	76.	11.	0.20
MILE	63.00	797.10	11387.	2.50	4551.	458.	5.25	0.0400	76.	16.	0.14
MILE	60.90	795.46	11443.	2.24	5100.	386.	6.06	0.0450	76.	19.	0.11
MILE	58.80	794.44	9464.	1.60	5905.	359.	6.19	0.0400	-1930.	21.	0.07
MILE	57.00	794.35	9471.	1.45	6515.	401.	6.09	0.0200	68.	20.	0.06
MILE	55.00	794.26	9489.	1.44	6572.	462.	6.54	0.0200	70.	21.	0.07
MILE	53.10	794.21	9514.	1.05	9044.	569.	6.03	0.0200	72.	21.	0.05
MILE	51.00	794.16	9513.	0.98	9718.	923.	6.14	0.0200	86.	25.	0.05
MILE	48.30	794.11	9439.	0.72	13127.	1627.	4.91	0.0200	86.	25.	0.04
MILE	46.20	794.08	9591.	0.61	15614.	1819.	6.75	0.0200	76.	32.	0.04
MILE	44.10	794.08	9510.	0.34	27702.	1510.	8.05	0.0300	45.	39.	0.01
MILE	43.70	794.07	9503.	0.66	14335.	1366.	8.23	0.0300	38.	41.	0.04
MILE	42.00	794.05	9522.	0.51	18784.	1332.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.00	9767.	0.54	18080.	1353.	7.86	0.0230	90.	43.	0.03
MILE	37.00	793.99	9759.	0.31	31801.	1119.	7.26	0.0280	56.	43.	0.01
MILE	36.00	793.98	9793.	0.50	19694.	900.	8.34	0.0280	43.	45.	0.02
MILE	34.60	793.98	9880.	0.33	29963.	1225.	9.63	0.0280	43.	45.	0.01
MILE	33.60	793.98	9928.	0.16	61856.	2139.	8.10	0.0290	56.	51.	0.01
MILE	31.50	793.97	9981.	0.33	30431.	1755.	10.37	0.0250	63.	55.	0.01
MILE	30.10	793.96	10099.	0.32	32031.	882.	9.90	0.0200	45.	53.	0.01
MILE	29.00	793.96	10159.	0.28	35714.	1053.	10.77	0.0200	50.	54.	0.01
MILE	27.30	793.96	10217.	0.28	37062.	1052.	11.17	0.0230	68.	57.	0.01
MILE	25.20	793.96	10318.	0.22	45923.	1050.	11.99	0.0230	76.	59.	0.01
MILE	23.10	793.95	10406.	0.28	37783.	1081.	11.42	0.0230	76.	64.	0.01

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TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.74	10658.	4.77	2237.	359.	3.83	0.0290	76.	9.	0.34
MILE	77.70	823.73	10743.	3.38	3182.	389.	4.44	0.0400	76.	13.	0.21
MILE	75.60	818.13	10840.	3.48	3111.	350.	4.74	0.0400	76.	12.	0.21
MILE	73.50	813.65	10938.	3.62	3017.	282.	4.55	0.0330	76.	14.	0.20
MILE	71.40	811.17	11029.	2.89	3813.	325.	4.36	0.0400	76.	13.	0.15
MILE	69.30	807.21	11117.	3.30	3366.	375.	3.77	0.0340	76.	9.	0.19
MILE	67.20	802.41	11203.	2.97	3773.	465.	3.62	0.0340	76.	12.	0.18
MILE	65.10	798.42	11287.	3.02	3740.	510.	4.38	0.0320	76.	11.	0.20

MILE	63.00	797.11	11355.	2.49	4554.	458.	5.25	0.0400	76.	16.	0.14
MILE	60.90	795.48	11415.	2.24	5107.	387.	6.06	0.0450	76.	19.	0.11
MILE	58.80	794.46	9493.	1.61	5913.	359.	6.19	0.0400	-1930.	21.	0.07
MILE	57.00	794.36	9576.	1.47	6522.	401.	6.10	0.0200	68.	20.	0.06
MILE	55.00	794.26	9662.	1.47	6576.	463.	6.54	0.0200	70.	21.	0.07
MILE	53.10	794.21	9738.	1.08	9047.	569.	6.03	0.0200	72.	21.	0.05
MILE	51.00	794.16	9841.	1.01	9718.	923.	6.14	0.0200	86.	25.	0.05
MILE	48.30	794.10	10069.	0.77	13117.	1626.	4.91	0.0200	86.	25.	0.05
MILE	46.20	794.08	10141.	0.65	15611.	1819.	6.75	0.0200	76.	32.	0.04
MILE	44.10	794.07	10356.	0.37	27694.	1510.	8.05	0.0300	45.	39.	0.02
MILE	43.70	794.06	10391.	0.73	14331.	1366.	8.23	0.0300	38.	41.	0.04
MILE	42.00	794.03	10530.	0.56	18768.	1332.	6.16	0.0300	83.	44.	0.03
MILE	39.10	793.99	10762.	0.60	18069.	1352.	7.85	0.0230	90.	43.	0.03
MILE	37.00	793.98	11041.	0.35	31781.	1119.	7.26	0.0280	56.	43.	0.01
MILE	36.00	793.97	11173.	0.57	19681.	900.	8.34	0.0280	43.	45.	0.02
MILE	34.60	793.96	11368.	0.38	29942.	1224.	9.62	0.0280	43.	45.	0.01
MILE	33.60	793.95	11517.	0.19	61796.	2138.	8.10	0.0290	56.	51.	0.01
MILE	31.50	793.95	11787.	0.39	30411.	1754.	10.36	0.0250	63.	55.	0.02
MILE	30.10	793.94	11939.	0.37	32010.	881.	9.90	0.0200	45.	53.	0.01
MILE	29.00	793.94	12056.	0.34	35694.	1052.	10.77	0.0200	50.	54.	0.01
MILE	27.30	793.93	12255.	0.33	37038.	1052.	11.16	0.0230	68.	57.	0.01
MILE	25.20	793.93	12406.	0.27	45890.	1049.	11.99	0.0230	76.	59.	0.01
MILE	23.10	793.92	12604.	0.33	37754.	1080.	11.42	0.0230	76.	64.	0.01

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TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.73	10632.	4.76	2232.	359.	3.82	0.0290	76.	9.	0.34
MILE	77.70	823.71	10715.	3.37	3176.	389.	4.44	0.0400	76.	13.	0.21
MILE	75.60	818.12	10809.	3.48	3105.	349.	4.74	0.0400	76.	12.	0.21
MILE	73.50	813.63	10906.	3.62	3013.	281.	4.55	0.0330	76.	14.	0.19
MILE	71.40	811.15	10998.	2.89	3808.	325.	4.36	0.0400	76.	13.	0.15
MILE	69.30	807.20	11088.	3.30	3361.	375.	3.77	0.0340	76.	9.	0.19
MILE	67.20	802.41	11177.	2.97	3768.	465.	3.62	0.0340	76.	12.	0.18
MILE	65.10	798.42	11265.	3.01	3739.	509.	4.38	0.0320	76.	11.	0.20
MILE	63.00	797.10	11352.	2.49	4552.	458.	5.25	0.0400	76.	16.	0.14
MILE	60.90	795.46	11448.	2.24	5102.	386.	6.06	0.0450	76.	19.	0.11
MILE	58.80	794.43	9555.	1.62	5903.	359.	6.19	0.0400	-1930.	21.	0.07
MILE	57.00	794.34	9643.	1.48	6510.	401.	6.09	0.0200	68.	20.	0.06
MILE	55.00	794.24	9751.	1.49	6565.	462.	6.54	0.0200	70.	21.	0.07
MILE	53.10	794.18	9877.	1.09	9029.	568.	6.03	0.0200	72.	21.	0.05
MILE	51.00	794.13	10063.	1.04	9702.	922.	6.13	0.0200	86.	25.	0.06
MILE	48.30	794.07	10416.	0.80	13078.	1624.	4.91	0.0200	86.	25.	0.05
MILE	46.20	794.04	10835.	0.70	15574.	1816.	6.74	0.0200	76.	32.	0.04
MILE	44.10	794.03	11162.	0.40	27646.	1508.	8.05	0.0300	45.	39.	0.02
MILE	43.70	794.02	11218.	0.78	14309.	1364.	8.23	0.0300	38.	41.	0.04

MILE	42.00	793.99	11460.	0.61	18714.	1330.	6.16	0.0300	83.	44.	0.03
MILE	39.10	793.94	11888.	0.66	18027.	1350.	7.85	0.0230	90.	43.	0.03
MILE	37.00	793.93	12078.	0.38	31698.	1117.	7.25	0.0280	56.	43.	0.01
MILE	36.00	793.92	12136.	0.62	19642.	898.	8.33	0.0280	43.	45.	0.02
MILE	34.60	793.92	12206.	0.41	29902.	1223.	9.62	0.0280	43.	45.	0.01
MILE	33.60	793.92	12305.	0.20	61692.	2135.	8.09	0.0290	56.	51.	0.01
MILE	31.50	793.91	12623.	0.42	30374.	1751.	10.36	0.0250	63.	55.	0.02
MILE	30.10	793.90	12774.	0.40	31968.	880.	9.89	0.0200	45.	53.	0.01
MILE	29.00	793.90	12855.	0.36	35657.	1051.	10.76	0.0200	50.	54.	0.01
MILE	27.30	793.90	12971.	0.35	37008.	1050.	11.16	0.0230	68.	57.	0.01
MILE	25.20	793.90	13132.	0.29	45863.	1048.	11.98	0.0230	76.	59.	0.01
MILE	23.10	793.90	13217.	0.35	37735.	1079.	11.41	0.0230	76.	64.	0.01

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TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.75	10686.	4.78	2238.	359.	3.83	0.0290	76.	9.	0.34
MILE	77.70	823.73	10758.	3.38	3181.	389.	4.44	0.0400	76.	13.	0.21
MILE	75.60	818.11	10824.	3.49	3104.	349.	4.74	0.0400	76.	12.	0.21
MILE	73.50	813.62	10895.	3.62	3010.	281.	4.55	0.0330	76.	14.	0.19
MILE	71.40	811.14	10973.	2.89	3803.	325.	4.35	0.0400	76.	13.	0.15
MILE	69.30	807.19	11056.	3.30	3355.	375.	3.76	0.0340	76.	8.	0.19
MILE	67.20	802.39	11143.	2.96	3761.	464.	3.62	0.0340	76.	12.	0.18
MILE	65.10	798.40	11239.	3.01	3732.	509.	4.38	0.0320	76.	11.	0.20
MILE	63.00	797.09	11346.	2.50	4545.	457.	5.25	0.0400	76.	16.	0.14
MILE	60.90	795.43	11468.	2.25	5090.	385.	6.05	0.0450	76.	19.	0.11
MILE	58.80	794.38	9612.	1.63	5884.	358.	6.18	0.0400	-1930.	21.	0.07
MILE	57.00	794.28	9743.	1.50	6487.	400.	6.08	0.0200	68.	19.	0.07
MILE	55.00	794.18	9897.	1.51	6543.	461.	6.53	0.0200	70.	21.	0.07
MILE	53.10	794.12	10052.	1.12	8993.	567.	6.02	0.0200	72.	21.	0.05
MILE	51.00	794.07	10257.	1.06	9672.	920.	6.12	0.0200	86.	25.	0.06
MILE	48.30	794.01	10599.	0.81	13015.	1621.	4.91	0.0200	86.	25.	0.05
MILE	46.20	793.99	10892.	0.70	15529.	1813.	6.73	0.0200	76.	32.	0.04
MILE	44.10	793.98	11207.	0.41	27588.	1505.	8.04	0.0300	45.	39.	0.02
MILE	43.70	793.97	11257.	0.79	14284.	1362.	8.23	0.0300	38.	41.	0.04
MILE	42.00	793.95	11434.	0.61	18662.	1328.	6.16	0.0300	83.	44.	0.03
MILE	39.10	793.90	11690.	0.65	18000.	1348.	7.85	0.0230	90.	43.	0.03
MILE	37.00	793.90	11976.	0.38	31649.	1116.	7.24	0.0280	56.	43.	0.01
MILE	36.00	793.89	12076.	0.62	19617.	897.	8.33	0.0280	43.	45.	0.02
MILE	34.60	793.88	12201.	0.41	29870.	1221.	9.61	0.0280	43.	45.	0.01
MILE	33.60	793.88	12331.	0.20	61606.	2133.	8.08	0.0290	56.	51.	0.01
MILE	31.50	793.88	12645.	0.42	30348.	1749.	10.35	0.0250	63.	55.	0.02
MILE	30.10	793.88	12695.	0.40	31941.	879.	9.88	0.0200	45.	53.	0.01
MILE	29.00	793.88	12760.	0.36	35632.	1050.	10.76	0.0200	50.	54.	0.01
MILE	27.30	793.88	12934.	0.35	36981.	1050.	11.16	0.0230	68.	57.	0.01
MILE	25.20	793.87	13164.	0.29	45831.	1047.	11.98	0.0230	76.	59.	0.01

MILE	23.10	793.87	13348.	0.35	37707.	1078.	11.41	0.0230	76.	64.	0.01

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TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.73	10645.	4.77	2232.	359.	3.82	0.0290	76.	9.	0.34
MILE	77.70	823.71	10725.	3.38	3177.	389.	4.44	0.0400	76.	13.	0.21
MILE	75.60	818.11	10810.	3.48	3103.	349.	4.74	0.0400	76.	12.	0.21
MILE	73.50	813.62	10893.	3.62	3009.	281.	4.54	0.0330	76.	14.	0.19
MILE	71.40	811.14	10970.	2.89	3801.	325.	4.35	0.0400	76.	13.	0.15
MILE	69.30	807.18	11046.	3.29	3352.	375.	3.76	0.0340	76.	8.	0.19
MILE	67.20	802.38	11124.	2.96	3754.	464.	3.61	0.0340	76.	12.	0.18
MILE	65.10	798.38	11218.	3.01	3722.	507.	4.37	0.0320	76.	11.	0.20
MILE	63.00	797.05	11339.	2.50	4532.	455.	5.24	0.0400	76.	16.	0.14
MILE	60.90	795.38	11467.	2.26	5074.	383.	6.04	0.0450	76.	19.	0.11
MILE	58.80	794.33	9592.	1.64	5864.	358.	6.18	0.0400	-1930.	21.	0.07
MILE	57.00	794.23	9692.	1.50	6465.	399.	6.07	0.0200	68.	19.	0.07
MILE	55.00	794.13	9808.	1.50	6525.	460.	6.52	0.0200	70.	21.	0.07
MILE	53.10	794.08	9926.	1.11	8966.	566.	6.01	0.0200	72.	21.	0.05
MILE	51.00	794.03	10083.	1.04	9650.	918.	6.12	0.0200	86.	25.	0.06
MILE	48.30	793.97	10378.	0.80	12970.	1619.	4.91	0.0200	86.	25.	0.05
MILE	46.20	793.95	10689.	0.69	15493.	1811.	6.72	0.0200	76.	32.	0.04
MILE	44.10	793.94	10933.	0.40	27541.	1503.	8.03	0.0300	45.	39.	0.02
MILE	43.70	793.93	10975.	0.77	14263.	1360.	8.24	0.0300	38.	41.	0.04
MILE	42.00	793.91	11144.	0.60	18617.	1326.	6.16	0.0300	83.	44.	0.03
MILE	39.10	793.87	11319.	0.63	17974.	1347.	7.84	0.0230	90.	43.	0.03
MILE	37.00	793.87	11275.	0.36	31615.	1115.	7.23	0.0280	56.	43.	0.01
MILE	36.00	793.87	11259.	0.57	19603.	897.	8.33	0.0280	43.	45.	0.02
MILE	34.60	793.87	11231.	0.38	29857.	1221.	9.61	0.0280	43.	45.	0.01
MILE	33.60	793.87	11199.	0.18	61577.	2132.	8.08	0.0290	56.	51.	0.01
MILE	31.50	793.87	11150.	0.37	30343.	1749.	10.35	0.0250	63.	55.	0.02
MILE	30.10	793.87	11186.	0.35	31937.	879.	9.88	0.0200	45.	53.	0.01
MILE	29.00	793.88	11191.	0.31	35630.	1050.	10.76	0.0200	50.	54.	0.01
MILE	27.30	793.88	11149.	0.30	36985.	1050.	11.16	0.0230	68.	57.	0.01
MILE	25.20	793.88	11130.	0.24	45845.	1048.	11.98	0.0230	76.	59.	0.01
MILE	23.10	793.89	11125.	0.29	37726.	1079.	11.41	0.0230	76.	64.	0.01

0DATE 5-14-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.70	10580.	4.76	2224.	359.	3.81	0.0290	76.	9.	0.34

MILE	77.70	823.68	10664.	3.37	3167.	388.	4.43	0.0400	76.	13.	0.21
MILE	75.60	818.09	10761.	3.48	3096.	348.	4.73	0.0400	76.	12.	0.21
MILE	73.50	813.61	10858.	3.61	3005.	281.	4.54	0.0330	76.	14.	0.19
MILE	71.40	811.13	10947.	2.88	3798.	325.	4.35	0.0400	76.	13.	0.15
MILE	69.30	807.18	11032.	3.29	3350.	374.	3.76	0.0340	76.	8.	0.19
MILE	67.20	802.37	11115.	2.96	3749.	464.	3.61	0.0340	76.	12.	0.18
MILE	65.10	798.36	11209.	3.02	3713.	506.	4.37	0.0320	76.	11.	0.20
MILE	63.00	797.02	11319.	2.50	4522.	454.	5.23	0.0400	76.	16.	0.14
MILE	60.90	795.35	11435.	2.26	5063.	382.	6.03	0.0450	76.	19.	0.11
MILE	58.80	794.30	9553.	1.63	5852.	357.	6.17	0.0400	-1930.	21.	0.07
MILE	57.00	794.20	9650.	1.50	6451.	399.	6.06	0.0200	68.	19.	0.07
MILE	55.00	794.10	9756.	1.50	6513.	460.	6.52	0.0200	70.	21.	0.07
MILE	53.10	794.05	9847.	1.10	8948.	566.	6.00	0.0200	72.	21.	0.05
MILE	51.00	794.00	9931.	1.03	9638.	918.	6.11	0.0200	86.	25.	0.06
MILE	48.30	793.96	9937.	0.77	12956.	1618.	4.91	0.0200	86.	25.	0.05
MILE	46.20	793.94	9853.	0.64	15491.	1810.	6.72	0.0200	76.	32.	0.04
MILE	44.10	793.94	9831.	0.36	27543.	1504.	8.03	0.0300	45.	39.	0.01
MILE	43.70	793.94	9828.	0.69	14266.	1360.	8.24	0.0300	38.	41.	0.04
MILE	42.00	793.92	9802.	0.53	18633.	1326.	6.16	0.0300	83.	44.	0.02
MILE	39.10	793.90	9761.	0.54	17997.	1348.	7.85	0.0230	90.	43.	0.03
MILE	37.00	793.89	9881.	0.31	31646.	1116.	7.24	0.0280	56.	43.	0.01
MILE	36.00	793.89	9951.	0.51	19619.	898.	8.33	0.0280	43.	45.	0.02
MILE	34.60	793.89	10053.	0.34	29874.	1222.	9.61	0.0280	43.	45.	0.01
MILE	33.60	793.89	10101.	0.16	61621.	2133.	8.09	0.0290	56.	51.	0.01
MILE	31.50	793.89	10131.	0.33	30355.	1750.	10.36	0.0250	63.	55.	0.01
MILE	30.10	793.88	10199.	0.32	31947.	879.	9.89	0.0200	45.	53.	0.01
MILE	29.00	793.88	10256.	0.29	35638.	1050.	10.76	0.0200	50.	54.	0.01
MILE	27.30	793.88	10342.	0.28	36991.	1050.	11.16	0.0230	68.	57.	0.01
MILE	25.20	793.89	10404.	0.23	45846.	1048.	11.98	0.0230	76.	59.	0.01
MILE	23.10	793.88	10569.	0.28	37716.	1079.	11.41	0.0230	76.	64.	0.01

0DATE 5-14-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.66	10472.	4.74	2210.	358.	3.80	0.0290	76.	9.	0.34
MILE	77.70	823.63	10562.	3.35	3149.	386.	4.41	0.0400	76.	13.	0.21
MILE	75.60	818.05	10676.	3.46	3083.	347.	4.72	0.0400	76.	12.	0.20
MILE	73.50	813.58	10793.	3.60	2996.	280.	4.54	0.0330	76.	14.	0.19
MILE	71.40	811.11	10897.	2.88	3789.	324.	4.34	0.0400	76.	13.	0.15
MILE	69.30	807.17	10995.	3.29	3344.	374.	3.76	0.0340	76.	8.	0.19
MILE	67.20	802.36	11090.	2.96	3743.	463.	3.61	0.0340	76.	12.	0.18
MILE	65.10	798.34	11192.	3.02	3705.	506.	4.36	0.0320	76.	11.	0.20
MILE	63.00	797.00	11297.	2.50	4514.	453.	5.23	0.0400	76.	16.	0.14
MILE	60.90	795.34	11380.	2.25	5059.	381.	6.03	0.0450	76.	19.	0.11
MILE	58.80	794.31	9419.	1.61	5857.	358.	6.17	0.0400	-1930.	21.	0.07
MILE	57.00	794.22	9439.	1.46	6460.	399.	6.06	0.0200	68.	19.	0.06

MILE	55.00	794.13	9458.	1.45	6523.	460.	6.52	0.0200	70.	21.	0.07
MILE	53.10	794.08	9473.	1.06	8966.	566.	6.01	0.0200	72.	21.	0.05
MILE	51.00	794.03	9477.	0.98	9654.	919.	6.12	0.0200	86.	25.	0.05
MILE	48.30	793.98	9499.	0.73	12985.	1620.	4.91	0.0200	86.	25.	0.05
MILE	46.20	793.96	9556.	0.62	15508.	1812.	6.73	0.0200	76.	32.	0.04
MILE	44.10	793.96	9555.	0.35	27559.	1504.	8.03	0.0300	45.	39.	0.01
MILE	43.70	793.95	9561.	0.67	14272.	1361.	8.23	0.0300	38.	41.	0.04
MILE	42.00	793.93	9615.	0.52	18642.	1327.	6.16	0.0300	83.	44.	0.02
MILE	39.10	793.89	9766.	0.54	17993.	1348.	7.85	0.0230	90.	43.	0.03
MILE	37.00	793.89	9724.	0.31	31643.	1115.	7.24	0.0280	56.	43.	0.01
MILE	36.00	793.89	9742.	0.50	19617.	897.	8.33	0.0280	43.	45.	0.02
MILE	34.60	793.88	9802.	0.33	29869.	1221.	9.61	0.0280	43.	45.	0.01
MILE	33.60	793.88	9828.	0.16	61605.	2133.	8.08	0.0290	56.	51.	0.01
MILE	31.50	793.88	9841.	0.32	30351.	1750.	10.35	0.0250	63.	55.	0.01
MILE	30.10	793.88	9918.	0.31	31943.	879.	9.89	0.0200	45.	53.	0.01
MILE	29.00	793.88	9963.	0.28	35633.	1050.	10.76	0.0200	50.	54.	0.01
MILE	27.30	793.88	10008.	0.27	36984.	1050.	11.16	0.0230	68.	57.	0.01
MILE	25.20	793.88	10077.	0.22	45838.	1048.	11.98	0.0230	76.	59.	0.01
MILE	23.10	793.88	10137.	0.27	37716.	1079.	11.41	0.0230	76.	64.	0.01

0DATE 5-14-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.65	10457.	4.73	2209.	358.	3.80	0.0290	76.	9.	0.34
MILE	77.70	823.61	10538.	3.35	3142.	386.	4.41	0.0400	76.	13.	0.21
MILE	75.60	818.01	10629.	3.46	3072.	346.	4.71	0.0400	76.	12.	0.20
MILE	73.50	813.55	10730.	3.59	2985.	280.	4.53	0.0330	76.	14.	0.19
MILE	71.40	811.08	10831.	2.87	3777.	324.	4.33	0.0400	76.	13.	0.15
MILE	69.30	807.14	10935.	3.28	3333.	374.	3.75	0.0340	76.	8.	0.19
MILE	67.20	802.34	11042.	2.96	3733.	463.	3.60	0.0340	76.	12.	0.18
MILE	65.10	798.33	11152.	3.01	3700.	505.	4.36	0.0320	76.	11.	0.20
MILE	63.00	797.00	11242.	2.49	4513.	453.	5.23	0.0400	76.	16.	0.14
MILE	60.90	795.36	11317.	2.23	5065.	382.	6.03	0.0450	76.	19.	0.11
MILE	58.80	794.33	9392.	1.60	5867.	358.	6.18	0.0400	-1930.	21.	0.07
MILE	57.00	794.24	9458.	1.46	6470.	400.	6.07	0.0200	68.	19.	0.06
MILE	55.00	794.15	9525.	1.46	6530.	461.	6.52	0.0200	70.	21.	0.07
MILE	53.10	794.09	9587.	1.07	8976.	566.	6.01	0.0200	72.	21.	0.05
MILE	51.00	794.05	9653.	1.00	9659.	919.	6.12	0.0200	86.	25.	0.05
MILE	48.30	793.99	9702.	0.75	12996.	1620.	4.91	0.0200	86.	25.	0.05
MILE	46.20	793.97	9656.	0.62	15518.	1812.	6.73	0.0200	76.	32.	0.04
MILE	44.10	793.97	9694.	0.35	27573.	1505.	8.04	0.0300	45.	39.	0.01
MILE	43.70	793.96	9701.	0.68	14278.	1361.	8.23	0.0300	38.	41.	0.04
MILE	42.00	793.94	9712.	0.52	18656.	1327.	6.16	0.0300	83.	44.	0.02
MILE	39.10	793.91	9674.	0.54	18006.	1348.	7.85	0.0230	90.	43.	0.03
MILE	37.00	793.90	9768.	0.31	31662.	1116.	7.24	0.0280	56.	43.	0.01
MILE	36.00	793.90	9799.	0.50	19626.	898.	8.33	0.0280	43.	45.	0.02

MILE	34.60	793.90	9826.	0.33	29882.	1222.	9.62	0.0280	43.	45.	0.01
MILE	33.60	793.90	9847.	0.16	61638.	2134.	8.09	0.0290	56.	51.	0.01
MILE	31.50	793.89	9904.	0.33	30358.	1750.	10.36	0.0250	63.	55.	0.01
MILE	30.10	793.89	9924.	0.31	31952.	880.	9.89	0.0200	45.	53.	0.01
MILE	29.00	793.89	9955.	0.28	35642.	1050.	10.76	0.0200	50.	54.	0.01
MILE	27.30	793.89	10015.	0.27	36992.	1050.	11.16	0.0230	68.	57.	0.01
MILE	25.20	793.88	10057.	0.22	45843.	1048.	11.98	0.0230	76.	59.	0.01
MILE	23.10	793.88	10130.	0.27	37716.	1079.	11.41	0.0230	76.	64.	0.01

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TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.64	10442.	4.73	2207.	358.	3.80	0.0290	76.	9.	0.34
MILE	77.70	823.60	10521.	3.35	3138.	385.	4.40	0.0400	76.	13.	0.21
MILE	75.60	817.99	10607.	3.46	3066.	346.	4.71	0.0400	76.	11.	0.20
MILE	73.50	813.52	10698.	3.59	2978.	279.	4.52	0.0330	76.	14.	0.19
MILE	71.40	811.06	10791.	2.86	3768.	324.	4.33	0.0400	76.	13.	0.15
MILE	69.30	807.12	10886.	3.28	3324.	374.	3.74	0.0340	76.	8.	0.19
MILE	67.20	802.32	10986.	2.95	3721.	462.	3.59	0.0340	76.	12.	0.18
MILE	65.10	798.31	11097.	3.00	3693.	504.	4.35	0.0320	76.	11.	0.20
MILE	63.00	796.99	11202.	2.48	4509.	452.	5.23	0.0400	76.	16.	0.14
MILE	60.90	795.35	11293.	2.23	5063.	382.	6.03	0.0450	76.	19.	0.11
MILE	58.80	794.33	9365.	1.60	5866.	358.	6.18	0.0400	-1930.	21.	0.07
MILE	57.00	794.24	9421.	1.46	6470.	400.	6.07	0.0200	68.	19.	0.06
MILE	55.00	794.15	9484.	1.45	6532.	461.	6.52	0.0200	70.	21.	0.07
MILE	53.10	794.10	9543.	1.06	8980.	567.	6.01	0.0200	72.	21.	0.05
MILE	51.00	794.05	9597.	0.99	9664.	919.	6.12	0.0200	86.	25.	0.05
MILE	48.30	794.01	9645.	0.74	13009.	1621.	4.91	0.0200	86.	25.	0.05
MILE	46.20	793.98	9753.	0.63	15526.	1813.	6.73	0.0200	76.	32.	0.04
MILE	44.10	793.98	9795.	0.36	27584.	1505.	8.04	0.0300	45.	39.	0.01
MILE	43.70	793.97	9805.	0.69	14283.	1362.	8.23	0.0300	38.	41.	0.04
MILE	42.00	793.95	9872.	0.53	18665.	1328.	6.16	0.0300	83.	44.	0.02
MILE	39.10	793.91	10079.	0.56	18006.	1348.	7.85	0.0230	90.	43.	0.03
MILE	37.00	793.90	10209.	0.32	31657.	1116.	7.24	0.0280	56.	43.	0.01
MILE	36.00	793.89	10250.	0.52	19623.	898.	8.33	0.0280	43.	45.	0.02
MILE	34.60	793.89	10301.	0.34	29877.	1222.	9.61	0.0280	43.	45.	0.01
MILE	33.60	793.89	10371.	0.17	61624.	2133.	8.09	0.0290	56.	51.	0.01
MILE	31.50	793.88	10583.	0.35	30352.	1750.	10.36	0.0250	63.	55.	0.01
MILE	30.10	793.88	10634.	0.33	31944.	879.	9.89	0.0200	45.	53.	0.01
MILE	29.00	793.88	10680.	0.30	35634.	1050.	10.76	0.0200	50.	54.	0.01
MILE	27.30	793.88	10793.	0.29	36983.	1050.	11.16	0.0230	68.	57.	0.01
MILE	25.20	793.87	10990.	0.24	45832.	1047.	11.98	0.0230	76.	59.	0.01
MILE	23.10	793.87	11078.	0.29	37707.	1078.	11.41	0.0230	76.	64.	0.01

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TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.63	10419.	4.73	2203.	358.	3.79	0.0290	76.	9.	0.34
MILE	77.70	823.59	10499.	3.35	3134.	385.	4.40	0.0400	76.	13.	0.21
MILE	75.60	817.98	10586.	3.46	3061.	346.	4.71	0.0400	76.	11.	0.20
MILE	73.50	813.51	10676.	3.59	2974.	279.	4.52	0.0330	76.	14.	0.19
MILE	71.40	811.05	10765.	2.86	3763.	324.	4.32	0.0400	76.	13.	0.15
MILE	69.30	807.11	10854.	3.27	3317.	374.	3.74	0.0340	76.	8.	0.19
MILE	67.20	802.30	10946.	2.95	3711.	462.	3.59	0.0340	76.	12.	0.18
MILE	65.10	798.29	11051.	3.00	3685.	503.	4.35	0.0320	76.	11.	0.20
MILE	63.00	796.98	11153.	2.48	4503.	452.	5.22	0.0400	76.	16.	0.14
MILE	60.90	795.35	11243.	2.22	5062.	381.	6.03	0.0450	76.	19.	0.11
MILE	58.80	794.34	9326.	1.59	5868.	358.	6.18	0.0400	-1930.	21.	0.07
MILE	57.00	794.25	9400.	1.45	6472.	400.	6.07	0.0200	68.	19.	0.06
MILE	55.00	794.15	9482.	1.45	6533.	461.	6.52	0.0200	70.	21.	0.07
MILE	53.10	794.10	9563.	1.07	8979.	567.	6.01	0.0200	72.	21.	0.05
MILE	51.00	794.05	9671.	1.00	9662.	919.	6.12	0.0200	86.	25.	0.05
MILE	48.30	794.00	9878.	0.76	12998.	1620.	4.91	0.0200	86.	25.	0.05
MILE	46.20	793.97	10017.	0.65	15517.	1812.	6.73	0.0200	76.	32.	0.04
MILE	44.10	793.97	10202.	0.37	27569.	1505.	8.03	0.0300	45.	39.	0.02
MILE	43.70	793.96	10234.	0.72	14276.	1361.	8.23	0.0300	38.	41.	0.04
MILE	42.00	793.93	10360.	0.56	18646.	1327.	6.16	0.0300	83.	44.	0.03
MILE	39.10	793.89	10542.	0.59	17992.	1348.	7.85	0.0230	90.	43.	0.03
MILE	37.00	793.89	10696.	0.34	31635.	1115.	7.24	0.0280	56.	43.	0.01
MILE	36.00	793.88	10750.	0.55	19611.	897.	8.33	0.0280	43.	45.	0.02
MILE	34.60	793.87	10815.	0.36	29861.	1221.	9.61	0.0280	43.	45.	0.01
MILE	33.60	793.87	10885.	0.18	61581.	2132.	8.08	0.0290	56.	51.	0.01
MILE	31.50	793.87	11076.	0.37	30341.	1749.	10.35	0.0250	63.	55.	0.02
MILE	30.10	793.87	11144.	0.35	31930.	879.	9.88	0.0200	45.	53.	0.01
MILE	29.00	793.87	11198.	0.31	35620.	1049.	10.76	0.0200	50.	54.	0.01
MILE	27.30	793.86	11295.	0.31	36970.	1049.	11.15	0.0230	68.	57.	0.01
MILE	25.20	793.86	11409.	0.25	45820.	1047.	11.98	0.0230	76.	59.	0.01
MILE	23.10	793.86	11512.	0.31	37697.	1078.	11.41	0.0230	76.	64.	0.01

0DATE 5-14-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.62	10393.	4.72	2200.	358.	3.79	0.0290	76.	9.	0.34
MILE	77.70	823.57	10474.	3.35	3129.	385.	4.39	0.0400	76.	13.	0.21
MILE	75.60	817.96	10562.	3.46	3057.	345.	4.70	0.0400	76.	11.	0.20
MILE	73.50	813.50	10653.	3.59	2970.	279.	4.52	0.0330	76.	14.	0.19
MILE	71.40	811.04	10741.	2.86	3758.	324.	4.32	0.0400	76.	13.	0.15

MILE	69.30	807.10	10828.	3.27	3312.	373.	3.74	0.0340	76.	8.	0.19
MILE	67.20	802.29	10917.	2.95	3703.	461.	3.58	0.0340	76.	12.	0.18
MILE	65.10	798.27	11016.	3.00	3678.	502.	4.34	0.0320	76.	11.	0.20
MILE	63.00	796.96	11120.	2.47	4496.	451.	5.22	0.0400	76.	16.	0.14
MILE	60.90	795.33	11225.	2.22	5056.	381.	6.03	0.0450	76.	19.	0.11
MILE	58.80	794.32	9334.	1.59	5859.	358.	6.17	0.0400	-1930.	21.	0.07
MILE	57.00	794.22	9423.	1.46	6462.	399.	6.07	0.0200	68.	19.	0.06
MILE	55.00	794.13	9527.	1.46	6524.	460.	6.52	0.0200	70.	21.	0.07
MILE	53.10	794.08	9634.	1.07	8965.	566.	6.01	0.0200	72.	21.	0.05
MILE	51.00	794.03	9770.	1.01	9651.	918.	6.12	0.0200	86.	25.	0.06
MILE	48.30	793.98	9967.	0.77	12975.	1619.	4.91	0.0200	86.	25.	0.05
MILE	46.20	793.95	10171.	0.66	15499.	1811.	6.72	0.0200	76.	32.	0.04
MILE	44.10	793.95	10343.	0.38	27547.	1504.	8.03	0.0300	45.	39.	0.02
MILE	43.70	793.94	10372.	0.73	14267.	1360.	8.24	0.0300	38.	41.	0.04
MILE	42.00	793.92	10488.	0.56	18625.	1326.	6.16	0.0300	83.	44.	0.03
MILE	39.10	793.88	10691.	0.59	17979.	1347.	7.84	0.0230	90.	43.	0.03
MILE	37.00	793.87	10821.	0.34	31608.	1115.	7.23	0.0280	56.	43.	0.01
MILE	36.00	793.86	10881.	0.56	19598.	897.	8.33	0.0280	43.	45.	0.02
MILE	34.60	793.86	10965.	0.37	29848.	1220.	9.61	0.0280	43.	45.	0.01
MILE	33.60	793.86	11026.	0.18	61548.	2131.	8.08	0.0290	56.	51.	0.01
MILE	31.50	793.86	11157.	0.37	30329.	1748.	10.35	0.0250	63.	55.	0.02
MILE	30.10	793.85	11276.	0.35	31916.	878.	9.88	0.0200	45.	53.	0.01
MILE	29.00	793.85	11342.	0.32	35607.	1049.	10.75	0.0200	50.	54.	0.01
MILE	27.30	793.85	11415.	0.31	36959.	1049.	11.15	0.0230	68.	57.	0.01
MILE	25.20	793.85	11498.	0.25	45811.	1047.	11.98	0.0230	76.	59.	0.01
MILE	23.10	793.85	11620.	0.31	37688.	1077.	11.40	0.0230	76.	64.	0.01

0DATE 5-15-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.61	10368.	4.72	2196.	358.	3.79	0.0290	76.	9.	0.34
MILE	77.70	823.56	10448.	3.35	3124.	384.	4.39	0.0400	76.	13.	0.21
MILE	75.60	817.95	10537.	3.45	3052.	345.	4.70	0.0400	76.	11.	0.20
MILE	73.50	813.48	10627.	3.58	2966.	278.	4.51	0.0330	76.	14.	0.19
MILE	71.40	811.02	10715.	2.85	3753.	323.	4.32	0.0400	76.	13.	0.15
MILE	69.30	807.09	10802.	3.27	3307.	373.	3.73	0.0340	76.	8.	0.19
MILE	67.20	802.28	10890.	2.95	3696.	461.	3.58	0.0340	76.	12.	0.18
MILE	65.10	798.25	10988.	2.99	3669.	502.	4.34	0.0320	76.	11.	0.20
MILE	63.00	796.93	11097.	2.47	4488.	450.	5.21	0.0400	76.	16.	0.14
MILE	60.90	795.30	11205.	2.22	5047.	380.	6.02	0.0450	76.	19.	0.11
MILE	58.80	794.29	9308.	1.59	5850.	357.	6.17	0.0400	-1930.	21.	0.07
MILE	57.00	794.20	9395.	1.46	6451.	399.	6.06	0.0200	68.	19.	0.06
MILE	55.00	794.10	9495.	1.46	6515.	460.	6.52	0.0200	70.	21.	0.07
MILE	53.10	794.05	9591.	1.07	8951.	566.	6.00	0.0200	72.	21.	0.05
MILE	51.00	794.01	9709.	1.01	9640.	918.	6.11	0.0200	86.	25.	0.05
MILE	48.30	793.95	9903.	0.76	12952.	1618.	4.91	0.0200	86.	25.	0.05

MILE	46.20	793.93	10074.	0.65	15482.	1810.	6.72	0.0200	76.	32.	0.04
MILE	44.10	793.93	10242.	0.37	27525.	1503.	8.03	0.0300	45.	39.	0.02
MILE	43.70	793.92	10271.	0.72	14257.	1359.	8.24	0.0300	38.	41.	0.04
MILE	42.00	793.90	10386.	0.56	18604.	1325.	6.16	0.0300	83.	44.	0.03
MILE	39.10	793.86	10580.	0.59	17966.	1346.	7.84	0.0230	90.	43.	0.03
MILE	37.00	793.86	10679.	0.34	31588.	1114.	7.23	0.0280	56.	43.	0.01
MILE	36.00	793.85	10748.	0.55	19588.	896.	8.33	0.0280	43.	45.	0.02
MILE	34.60	793.85	10867.	0.36	29834.	1220.	9.61	0.0280	43.	45.	0.01
MILE	33.60	793.85	10940.	0.18	61510.	2130.	8.08	0.0290	56.	51.	0.01
MILE	31.50	793.85	11032.	0.36	30318.	1747.	10.35	0.0250	63.	55.	0.02
MILE	30.10	793.84	11127.	0.35	31904.	878.	9.88	0.0200	45.	53.	0.01
MILE	29.00	793.84	11191.	0.31	35596.	1048.	10.75	0.0200	50.	54.	0.01
MILE	27.30	793.84	11279.	0.31	36948.	1048.	11.15	0.0230	68.	57.	0.01
MILE	25.20	793.84	11366.	0.25	45798.	1046.	11.98	0.0230	76.	59.	0.01
MILE	23.10	793.84	11498.	0.31	37679.	1077.	11.40	0.0230	76.	64.	0.01

0DATE 5-15-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.60	10340.	4.72	2192.	357.	3.78	0.0290	76.	9.	0.34
MILE	77.70	823.54	10420.	3.34	3118.	384.	4.39	0.0400	76.	13.	0.21
MILE	75.60	817.93	10509.	3.45	3047.	344.	4.69	0.0400	76.	11.	0.20
MILE	73.50	813.47	10599.	3.58	2961.	278.	4.51	0.0330	76.	14.	0.19
MILE	71.40	811.01	10687.	2.85	3748.	323.	4.31	0.0400	76.	13.	0.15
MILE	69.30	807.08	10774.	3.26	3302.	373.	3.73	0.0340	76.	8.	0.19
MILE	67.20	802.26	10863.	2.95	3688.	460.	3.57	0.0340	76.	12.	0.18
MILE	65.10	798.23	10962.	2.99	3661.	501.	4.33	0.0320	76.	11.	0.20
MILE	63.00	796.91	11070.	2.47	4480.	448.	5.21	0.0400	76.	16.	0.14
MILE	60.90	795.28	11174.	2.22	5040.	379.	6.02	0.0450	76.	19.	0.11
MILE	58.80	794.27	9274.	1.59	5843.	357.	6.17	0.0400	-1930.	21.	0.07
MILE	57.00	794.18	9354.	1.45	6444.	399.	6.06	0.0200	68.	19.	0.06
MILE	55.00	794.09	9445.	1.45	6509.	460.	6.52	0.0200	70.	21.	0.07
MILE	53.10	794.04	9534.	1.07	8941.	565.	6.00	0.0200	72.	21.	0.05
MILE	51.00	793.99	9643.	1.00	9632.	917.	6.11	0.0200	86.	25.	0.05
MILE	48.30	793.94	9809.	0.76	12935.	1617.	4.91	0.0200	86.	25.	0.05
MILE	46.20	793.92	9944.	0.64	15469.	1809.	6.72	0.0200	76.	32.	0.04
MILE	44.10	793.92	10051.	0.37	27509.	1502.	8.03	0.0300	45.	39.	0.02
MILE	43.70	793.91	10057.	0.71	14251.	1359.	8.24	0.0300	38.	41.	0.04
MILE	42.00	793.90	9982.	0.54	18601.	1325.	6.16	0.0300	83.	44.	0.03
MILE	39.10	793.91	9061.	0.50	18003.	1348.	7.85	0.0230	90.	43.	0.02
MILE	37.00	793.94	7821.	0.25	31726.	1117.	7.25	0.0280	56.	43.	0.01
MILE	36.00	793.96	7374.	0.37	19672.	900.	8.34	0.0280	43.	45.	0.01
MILE	34.60	793.98	6759.	0.23	29962.	1225.	9.63	0.0280	43.	45.	0.01
MILE	33.60	793.99	6050.	0.10	61879.	2140.	8.10	0.0290	56.	51.	0.00
MILE	31.50	794.01	4230.	0.14	30463.	1757.	10.37	0.0250	63.	55.	0.01
MILE	30.10	794.02	3511.	0.11	32093.	884.	9.91	0.0200	45.	53.	0.00

MILE	29.00	794.04	3027.	0.08	35790.	1055.	10.78	0.0200	50.	54.	0.00
MILE	27.30	794.06	2068.	0.06	37161.	1056.	11.18	0.0230	68.	57.	0.00
MILE	25.20	794.09	994.	0.02	46069.	1055.	12.01	0.0230	76.	60.	0.00
MILE	23.10	794.12	192.	0.01	37944.	1087.	11.45	0.0230	76.	64.	0.00

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TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.59	10322.	4.71	2190.	357.	3.78	0.0290	76.	9.	0.34
MILE	77.70	823.53	10401.	3.34	3114.	383.	4.38	0.0400	76.	13.	0.21
MILE	75.60	817.91	10486.	3.45	3042.	344.	4.69	0.0400	76.	11.	0.20
MILE	73.50	813.46	10573.	3.58	2957.	278.	4.51	0.0330	76.	14.	0.19
MILE	71.40	811.00	10660.	2.85	3743.	323.	4.31	0.0400	76.	13.	0.15
MILE	69.30	807.07	10747.	3.26	3297.	373.	3.72	0.0340	76.	8.	0.19
MILE	67.20	802.25	10836.	2.94	3681.	460.	3.57	0.0340	76.	12.	0.18
MILE	65.10	798.21	10936.	2.99	3653.	500.	4.33	0.0320	76.	11.	0.20
MILE	63.00	796.89	11041.	2.47	4473.	448.	5.21	0.0400	76.	16.	0.14
MILE	60.90	795.27	11142.	2.21	5034.	378.	6.01	0.0450	76.	19.	0.11
MILE	58.80	794.26	9231.	1.58	5839.	357.	6.17	0.0400	-1930.	21.	0.07
MILE	57.00	794.17	9292.	1.44	6440.	399.	6.05	0.0200	68.	19.	0.06
MILE	55.00	794.09	9325.	1.43	6510.	460.	6.52	0.0200	70.	21.	0.07
MILE	53.10	794.06	9251.	1.03	8955.	566.	6.00	0.0200	72.	21.	0.05
MILE	51.00	794.05	8886.	0.92	9661.	919.	6.12	0.0200	86.	25.	0.05
MILE	48.30	794.07	7316.	0.56	13087.	1625.	4.91	0.0200	86.	25.	0.03
MILE	46.20	794.10	5523.	0.35	15634.	1820.	6.75	0.0200	76.	32.	0.02
MILE	44.10	794.14	3778.	0.14	27776.	1514.	8.06	0.0300	45.	39.	0.01
MILE	43.70	794.14	3500.	0.24	14375.	1370.	8.22	0.0300	38.	41.	0.01
MILE	42.00	794.18	2366.	0.12	18950.	1338.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.23	834.	0.05	18268.	1363.	7.88	0.0230	90.	43.	0.00
MILE	37.00	794.24	387.	0.01	32200.	1129.	7.32	0.0280	56.	43.	0.00
MILE	36.00	794.24	259.	0.01	19905.	909.	8.36	0.0280	43.	45.	0.00
MILE	34.60	794.26	46.	0.00	30241.	1237.	9.66	0.0280	43.	46.	0.00
MILE	33.60	794.26	-338.	-0.01	62616.	2160.	8.16	0.0290	56.	51.	0.00
MILE	31.50	794.27	-1552.	-0.05	30698.	1773.	10.41	0.0250	63.	55.	0.00
MILE	30.10	794.27	-2011.	-0.06	32355.	891.	9.96	0.0200	45.	53.	0.00
MILE	29.00	794.28	-2221.	-0.06	36033.	1064.	10.82	0.0200	50.	55.	0.00
MILE	27.30	794.29	-2522.	-0.07	37386.	1064.	11.22	0.0230	68.	57.	0.00
MILE	25.20	794.29	-2897.	-0.06	46285.	1062.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.28	-3208.	-0.08	38096.	1093.	11.47	0.0230	76.	64.	0.00

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TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.57	10289.	4.71	2186.	357.	3.78	0.0290	76.	9.	0.34
MILE	77.70	823.51	10369.	3.34	3108.	383.	4.38	0.0400	76.	13.	0.21
MILE	75.60	817.90	10458.	3.44	3037.	344.	4.69	0.0400	76.	11.	0.20
MILE	73.50	813.44	10548.	3.57	2953.	278.	4.50	0.0330	76.	14.	0.19
MILE	71.40	810.99	10636.	2.85	3738.	323.	4.31	0.0400	76.	13.	0.15
MILE	69.30	807.06	10723.	3.26	3292.	373.	3.72	0.0340	76.	8.	0.19
MILE	67.20	802.24	10814.	2.94	3675.	460.	3.57	0.0340	76.	12.	0.18
MILE	65.10	798.20	10916.	2.99	3649.	499.	4.32	0.0320	76.	11.	0.19
MILE	63.00	796.91	10971.	2.45	4478.	448.	5.21	0.0400	76.	16.	0.14
MILE	60.90	795.39	10842.	2.14	5075.	383.	6.04	0.0450	76.	19.	0.10
MILE	58.80	794.55	8391.	1.41	5949.	361.	6.20	0.0400	-1930.	21.	0.06
MILE	57.00	794.51	7934.	1.20	6585.	403.	6.13	0.0200	68.	20.	0.05
MILE	55.00	794.48	7359.	1.11	6656.	466.	6.57	0.0200	70.	21.	0.05
MILE	53.10	794.47	6728.	0.73	9205.	574.	6.08	0.0200	72.	21.	0.03
MILE	51.00	794.46	5809.	0.59	9873.	932.	6.18	0.0200	86.	25.	0.03
MILE	48.30	794.44	4445.	0.33	13508.	1645.	4.90	0.0200	86.	26.	0.02
MILE	46.20	794.44	2888.	0.18	15931.	1841.	6.81	0.0200	76.	33.	0.01
MILE	44.10	794.43	1447.	0.05	28128.	1529.	8.11	0.0300	45.	39.	0.00
MILE	43.70	794.43	1257.	0.09	14528.	1383.	8.20	0.0300	38.	41.	0.00
MILE	42.00	794.41	752.	0.04	19236.	1349.	6.16	0.0300	83.	44.	0.00
MILE	39.10	794.37	607.	0.03	18382.	1370.	7.89	0.0230	90.	43.	0.00
MILE	37.00	794.35	377.	0.01	32378.	1133.	7.34	0.0280	56.	43.	0.00
MILE	36.00	794.34	279.	0.01	19982.	912.	8.37	0.0280	43.	45.	0.00
MILE	34.60	794.32	180.	0.01	30309.	1240.	9.67	0.0280	43.	46.	0.00
MILE	33.60	794.32	191.	0.00	62771.	2164.	8.17	0.0290	56.	51.	0.00
MILE	31.50	794.31	423.	0.01	30734.	1775.	10.41	0.0250	63.	56.	0.00
MILE	30.10	794.30	477.	0.01	32383.	892.	9.96	0.0200	45.	54.	0.00
MILE	29.00	794.29	551.	0.02	36049.	1065.	10.83	0.0200	50.	55.	0.00
MILE	27.30	794.28	759.	0.02	37380.	1064.	11.21	0.0230	68.	57.	0.00
MILE	25.20	794.27	1038.	0.02	46266.	1062.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.27	1004.	0.03	38087.	1093.	11.47	0.0230	76.	64.	0.00

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TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.56	10257.	4.70	2181.	357.	3.77	0.0290	76.	9.	0.34
MILE	77.70	823.49	10338.	3.33	3102.	382.	4.37	0.0400	76.	13.	0.21
MILE	75.60	817.88	10429.	3.44	3031.	343.	4.68	0.0400	76.	11.	0.20
MILE	73.50	813.43	10524.	3.57	2949.	277.	4.50	0.0330	76.	14.	0.19
MILE	71.40	810.98	10619.	2.84	3734.	323.	4.30	0.0400	76.	13.	0.15
MILE	69.30	807.05	10717.	3.26	3291.	373.	3.72	0.0340	76.	8.	0.19
MILE	67.20	802.25	10817.	2.94	3679.	460.	3.57	0.0340	76.	12.	0.18
MILE	65.10	798.28	10864.	2.95	3680.	503.	4.34	0.0320	76.	11.	0.19

MILE	63.00	797.08	10723.	2.36	4542.	457.	5.24	0.0400	76.	16.	0.13
MILE	60.90	795.72	10497.	2.02	5191.	397.	6.12	0.0450	76.	19.	0.10
MILE	58.80	794.95	8310.	1.36	6099.	365.	6.25	0.0400	-1930.	22.	0.06
MILE	57.00	794.88	8153.	1.21	6747.	408.	6.21	0.0200	68.	20.	0.05
MILE	55.00	794.81	7970.	1.18	6783.	471.	6.61	0.0200	70.	21.	0.05
MILE	53.10	794.75	7893.	0.84	9378.	579.	6.13	0.0200	72.	21.	0.04
MILE	51.00	794.68	7918.	0.79	9988.	939.	6.21	0.0200	86.	25.	0.04
MILE	48.30	794.60	7916.	0.58	13701.	1654.	4.90	0.0200	86.	26.	0.04
MILE	46.20	794.57	7501.	0.47	16048.	1849.	6.83	0.0200	76.	33.	0.03
MILE	44.10	794.54	7325.	0.26	28262.	1534.	8.13	0.0300	45.	39.	0.01
MILE	43.70	794.54	7280.	0.50	14585.	1388.	8.20	0.0300	38.	42.	0.03
MILE	42.00	794.50	6969.	0.36	19351.	1353.	6.16	0.0300	83.	45.	0.02
MILE	39.10	794.47	5897.	0.32	18470.	1375.	7.90	0.0230	90.	43.	0.02
MILE	37.00	794.46	5284.	0.16	32568.	1137.	7.37	0.0280	56.	43.	0.01
MILE	36.00	794.46	4967.	0.25	20080.	915.	8.38	0.0280	43.	45.	0.01
MILE	34.60	794.45	4435.	0.15	30438.	1245.	9.69	0.0280	43.	46.	0.01
MILE	33.60	794.45	3979.	0.06	63124.	2174.	8.19	0.0290	56.	52.	0.00
MILE	31.50	794.44	3095.	0.10	30856.	1783.	10.43	0.0250	63.	56.	0.00
MILE	30.10	794.44	2541.	0.08	32524.	896.	9.99	0.0200	45.	54.	0.00
MILE	29.00	794.43	2211.	0.06	36184.	1070.	10.85	0.0200	50.	55.	0.00
MILE	27.30	794.42	1681.	0.04	37519.	1069.	11.24	0.0230	68.	57.	0.00
MILE	25.20	794.41	1186.	0.03	46421.	1067.	12.06	0.0230	76.	60.	0.00
MILE	23.10	794.41	703.	0.02	38220.	1098.	11.49	0.0230	76.	64.	0.00

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TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.54	10229.	4.70	2176.	357.	3.77	0.0290	76.	9.	0.34
MILE	77.70	823.48	10314.	3.33	3097.	382.	4.37	0.0400	76.	13.	0.21
MILE	75.60	817.87	10411.	3.44	3027.	343.	4.68	0.0400	76.	11.	0.20
MILE	73.50	813.42	10514.	3.57	2947.	277.	4.50	0.0330	76.	14.	0.19
MILE	71.40	810.98	10614.	2.84	3733.	323.	4.30	0.0400	76.	13.	0.15
MILE	69.30	807.06	10712.	3.25	3292.	373.	3.72	0.0340	76.	8.	0.19
MILE	67.20	802.26	10796.	2.93	3687.	460.	3.57	0.0340	76.	12.	0.18
MILE	65.10	798.37	10822.	2.91	3717.	507.	4.37	0.0320	76.	11.	0.19
MILE	63.00	797.18	10795.	2.36	4581.	462.	5.27	0.0400	76.	16.	0.13
MILE	60.90	795.77	10856.	2.08	5210.	399.	6.13	0.0450	76.	19.	0.10
MILE	58.80	794.91	8992.	1.48	6085.	365.	6.25	0.0400	-1930.	22.	0.06
MILE	57.00	794.83	9118.	1.36	6724.	408.	6.19	0.0200	68.	20.	0.06
MILE	55.00	794.75	9269.	1.37	6761.	470.	6.61	0.0200	70.	21.	0.06
MILE	53.10	794.72	9356.	1.00	9357.	579.	6.13	0.0200	72.	21.	0.04
MILE	51.00	794.69	9286.	0.93	9992.	939.	6.21	0.0200	86.	25.	0.05
MILE	48.30	794.67	8695.	0.63	13782.	1658.	4.90	0.0200	86.	26.	0.04
MILE	46.20	794.65	8519.	0.53	16124.	1855.	6.84	0.0200	76.	33.	0.03
MILE	44.10	794.66	8076.	0.28	28398.	1540.	8.15	0.0300	45.	39.	0.01
MILE	43.70	794.65	8017.	0.55	14648.	1394.	8.19	0.0300	38.	42.	0.03

MILE	42.00	794.64	7873.	0.40	19521.	1359.	6.16	0.0300	83.	45.	0.02
MILE	39.10	794.57	8645.	0.47	18552.	1379.	7.91	0.0230	90.	44.	0.02
MILE	37.00	794.52	9743.	0.30	32662.	1140.	7.38	0.0280	56.	43.	0.01
MILE	36.00	794.50	10135.	0.50	20114.	917.	8.39	0.0280	43.	46.	0.02
MILE	34.60	794.48	10627.	0.35	30465.	1246.	9.69	0.0280	43.	46.	0.01
MILE	33.60	794.47	11098.	0.18	63183.	2176.	8.20	0.0290	56.	52.	0.01
MILE	31.50	794.45	12184.	0.39	30861.	1784.	10.43	0.0250	63.	56.	0.02
MILE	30.10	794.43	12588.	0.39	32514.	896.	9.99	0.0200	45.	54.	0.01
MILE	29.00	794.41	12909.	0.36	36165.	1069.	10.84	0.0200	50.	55.	0.01
MILE	27.30	794.39	13599.	0.36	37484.	1068.	11.23	0.0230	68.	57.	0.01
MILE	25.20	794.35	14389.	0.31	46359.	1065.	12.05	0.0230	76.	60.	0.01
MILE	23.10	794.31	14895.	0.39	38125.	1094.	11.47	0.0230	76.	64.	0.01

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TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.52	10199.	4.70	2168.	356.	3.76	0.0290	76.	9.	0.34
MILE	77.70	823.46	10289.	3.33	3091.	381.	4.36	0.0400	76.	13.	0.21
MILE	75.60	817.85	10392.	3.44	3023.	342.	4.67	0.0400	76.	11.	0.20
MILE	73.50	813.42	10494.	3.56	2944.	277.	4.50	0.0330	76.	14.	0.19
MILE	71.40	810.97	10587.	2.84	3730.	323.	4.30	0.0400	76.	13.	0.15
MILE	69.30	807.05	10673.	3.25	3287.	373.	3.72	0.0340	76.	8.	0.19
MILE	67.20	802.26	10754.	2.92	3684.	460.	3.57	0.0340	76.	12.	0.18
MILE	65.10	798.38	10826.	2.91	3724.	508.	4.37	0.0320	76.	11.	0.19
MILE	63.00	797.20	10872.	2.37	4586.	462.	5.27	0.0400	76.	16.	0.13
MILE	60.90	795.80	10859.	2.08	5218.	400.	6.14	0.0450	76.	19.	0.10
MILE	58.80	794.97	8810.	1.44	6106.	366.	6.26	0.0400	-1930.	22.	0.06
MILE	57.00	794.89	8809.	1.30	6751.	409.	6.21	0.0200	68.	20.	0.06
MILE	55.00	794.81	8826.	1.30	6783.	471.	6.61	0.0200	70.	21.	0.06
MILE	53.10	794.76	8913.	0.95	9382.	579.	6.14	0.0200	72.	21.	0.04
MILE	51.00	794.69	9250.	0.93	9993.	939.	6.21	0.0200	86.	25.	0.05
MILE	48.30	794.59	10684.	0.78	13690.	1654.	4.90	0.0200	86.	26.	0.05
MILE	46.20	794.55	11826.	0.74	16030.	1848.	6.82	0.0200	76.	33.	0.04
MILE	44.10	794.52	13055.	0.46	28235.	1533.	8.13	0.0300	45.	39.	0.02
MILE	43.70	794.50	13258.	0.91	14567.	1387.	8.20	0.0300	38.	42.	0.05
MILE	42.00	794.44	14165.	0.74	19270.	1350.	6.16	0.0300	83.	44.	0.03
MILE	39.10	794.32	15771.	0.86	18345.	1368.	7.89	0.0230	90.	43.	0.04
MILE	37.00	794.31	16216.	0.50	32320.	1132.	7.33	0.0280	56.	43.	0.02
MILE	36.00	794.29	16422.	0.82	19941.	910.	8.37	0.0280	43.	45.	0.03
MILE	34.60	794.27	16777.	0.55	30253.	1237.	9.66	0.0280	43.	46.	0.02
MILE	33.60	794.26	17149.	0.27	62628.	2160.	8.16	0.0290	56.	51.	0.01
MILE	31.50	794.25	18092.	0.59	30687.	1772.	10.41	0.0250	63.	55.	0.02
MILE	30.10	794.24	18639.	0.58	32320.	890.	9.95	0.0200	45.	53.	0.02
MILE	29.00	794.23	18913.	0.53	35986.	1062.	10.82	0.0200	50.	55.	0.02
MILE	27.30	794.22	19250.	0.52	37324.	1062.	11.21	0.0230	68.	57.	0.02
MILE	25.20	794.23	19598.	0.42	46217.	1060.	12.03	0.0230	76.	60.	0.01

MILE 23.10 794.23 19834. 0.52 38049. 1092. 11.46 0.0230 76. 64. 0.02

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.48	10144.	4.70	2157.	356.	3.75	0.0290	76.	9.	0.34
MILE	77.70	823.43	10233.	3.32	3080.	380.	4.35	0.0400	76.	13.	0.21
MILE	75.60	817.83	10338.	3.43	3015.	342.	4.67	0.0400	76.	11.	0.20
MILE	73.50	813.39	10444.	3.56	2937.	277.	4.49	0.0330	76.	14.	0.19
MILE	71.40	810.95	10540.	2.83	3723.	323.	4.30	0.0400	76.	13.	0.15
MILE	69.30	807.03	10632.	3.24	3280.	373.	3.71	0.0340	76.	8.	0.19
MILE	67.20	802.25	10720.	2.91	3680.	460.	3.57	0.0340	76.	12.	0.18
MILE	65.10	798.39	10794.	2.90	3728.	508.	4.38	0.0320	76.	11.	0.19
MILE	63.00	797.20	10882.	2.37	4589.	463.	5.27	0.0400	76.	16.	0.13
MILE	60.90	795.74	11107.	2.14	5198.	398.	6.12	0.0450	76.	19.	0.10
MILE	58.80	794.79	9512.	1.58	6039.	363.	6.23	0.0400	-1930.	22.	0.07
MILE	57.00	794.69	9853.	1.48	6664.	406.	6.17	0.0200	68.	20.	0.06
MILE	55.00	794.58	10266.	1.53	6697.	468.	6.58	0.0200	70.	21.	0.07
MILE	53.10	794.52	10748.	1.16	9234.	575.	6.09	0.0200	72.	21.	0.05
MILE	51.00	794.45	11481.	1.16	9865.	932.	6.17	0.0200	86.	25.	0.06
MILE	48.30	794.37	12598.	0.94	13425.	1641.	4.90	0.0200	86.	25.	0.06
MILE	46.20	794.33	13603.	0.86	15837.	1835.	6.79	0.0200	76.	33.	0.05
MILE	44.10	794.33	14631.	0.52	28004.	1523.	8.10	0.0300	45.	39.	0.02
MILE	43.70	794.31	14771.	1.02	14465.	1378.	8.21	0.0300	38.	41.	0.06
MILE	42.00	794.28	15135.	0.79	19068.	1343.	6.16	0.0300	83.	44.	0.04
MILE	39.10	794.24	14837.	0.81	18277.	1364.	7.88	0.0230	90.	43.	0.04
MILE	37.00	794.26	14408.	0.45	32237.	1130.	7.32	0.0280	56.	43.	0.01
MILE	36.00	794.26	14265.	0.72	19919.	909.	8.36	0.0280	43.	45.	0.03
MILE	34.60	794.28	14029.	0.46	30261.	1238.	9.67	0.0280	43.	46.	0.02
MILE	33.60	794.29	13670.	0.22	62685.	2162.	8.16	0.0290	56.	51.	0.01
MILE	31.50	794.30	12630.	0.41	30728.	1775.	10.41	0.0250	63.	55.	0.02
MILE	30.10	794.31	12256.	0.38	32394.	893.	9.96	0.0200	45.	54.	0.01
MILE	29.00	794.32	11981.	0.33	36077.	1066.	10.83	0.0200	50.	55.	0.01
MILE	27.30	794.35	11344.	0.30	37443.	1066.	11.22	0.0230	68.	57.	0.01
MILE	25.20	794.37	10496.	0.23	46379.	1065.	12.05	0.0230	76.	60.	0.01
MILE	23.10	794.39	10122.	0.26	38201.	1097.	11.49	0.0230	76.	64.	0.01

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.47	10109.	4.70	2152.	356.	3.74	0.0290	76.	9.	0.34

MILE	77.70	823.41	10191.	3.32	3071.	380.	4.34	0.0400	76.	13.	0.21
MILE	75.60	817.79	10286.	3.42	3004.	341.	4.66	0.0400	76.	11.	0.20
MILE	73.50	813.36	10385.	3.55	2928.	276.	4.49	0.0330	76.	14.	0.19
MILE	71.40	810.92	10479.	2.82	3711.	322.	4.29	0.0400	76.	13.	0.15
MILE	69.30	807.01	10568.	3.23	3269.	372.	3.71	0.0340	76.	8.	0.19
MILE	67.20	802.22	10659.	2.91	3665.	459.	3.56	0.0340	76.	12.	0.18
MILE	65.10	798.34	10783.	2.91	3704.	505.	4.36	0.0320	76.	11.	0.19
MILE	63.00	797.09	11003.	2.42	4548.	457.	5.25	0.0400	76.	16.	0.14
MILE	60.90	795.54	11279.	2.20	5129.	389.	6.08	0.0450	76.	19.	0.11
MILE	58.80	794.55	9546.	1.61	5947.	360.	6.20	0.0400	-1930.	21.	0.07
MILE	57.00	794.46	9759.	1.49	6563.	403.	6.12	0.0200	68.	20.	0.06
MILE	55.00	794.37	10006.	1.51	6615.	464.	6.55	0.0200	70.	21.	0.07
MILE	53.10	794.33	10185.	1.12	9121.	571.	6.06	0.0200	72.	21.	0.05
MILE	51.00	794.31	10249.	1.05	9795.	927.	6.16	0.0200	86.	25.	0.06
MILE	48.30	794.31	9840.	0.74	13355.	1638.	4.90	0.0200	86.	25.	0.05
MILE	46.20	794.32	9476.	0.60	15825.	1834.	6.79	0.0200	76.	33.	0.04
MILE	44.10	794.35	8814.	0.31	28029.	1524.	8.10	0.0300	45.	39.	0.01
MILE	43.70	794.35	8717.	0.60	14485.	1379.	8.21	0.0300	38.	41.	0.03
MILE	42.00	794.37	8352.	0.44	19183.	1347.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.37	8435.	0.46	18383.	1370.	7.89	0.0230	90.	43.	0.02
MILE	37.00	794.36	8937.	0.28	32396.	1133.	7.35	0.0280	56.	43.	0.01
MILE	36.00	794.35	9181.	0.46	19995.	912.	8.37	0.0280	43.	45.	0.02
MILE	34.60	794.36	9520.	0.31	30340.	1241.	9.68	0.0280	43.	46.	0.01
MILE	33.60	794.36	9732.	0.15	62874.	2167.	8.18	0.0290	56.	51.	0.01
MILE	31.50	794.35	9982.	0.32	30775.	1778.	10.42	0.0250	63.	56.	0.01
MILE	30.10	794.35	10179.	0.31	32437.	894.	9.97	0.0200	45.	54.	0.01
MILE	29.00	794.35	10385.	0.29	36106.	1067.	10.84	0.0200	50.	55.	0.01
MILE	27.30	794.35	10871.	0.29	37446.	1067.	11.22	0.0230	68.	57.	0.01
MILE	25.20	794.34	11462.	0.25	46339.	1064.	12.05	0.0230	76.	60.	0.01
MILE	23.10	794.32	11851.	0.31	38134.	1095.	11.48	0.0230	76.	64.	0.01

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.46	10095.	4.69	2152.	355.	3.74	0.0290	76.	9.	0.34
MILE	77.70	823.39	10170.	3.32	3066.	379.	4.34	0.0400	76.	13.	0.21
MILE	75.60	817.77	10249.	3.42	2996.	340.	4.65	0.0400	76.	11.	0.20
MILE	73.50	813.33	10333.	3.54	2918.	275.	4.48	0.0330	76.	14.	0.19
MILE	71.40	810.89	10417.	2.82	3699.	322.	4.28	0.0400	76.	13.	0.15
MILE	69.30	806.98	10504.	3.23	3256.	372.	3.70	0.0340	76.	8.	0.19
MILE	67.20	802.19	10604.	2.91	3646.	458.	3.55	0.0340	76.	11.	0.18
MILE	65.10	798.26	10753.	2.93	3672.	502.	4.34	0.0320	76.	11.	0.19
MILE	63.00	797.02	10930.	2.42	4518.	454.	5.23	0.0400	76.	16.	0.14
MILE	60.90	795.51	10995.	2.15	5120.	388.	6.07	0.0450	76.	19.	0.10
MILE	58.80	794.64	8863.	1.48	5982.	362.	6.22	0.0400	-1930.	22.	0.06
MILE	57.00	794.58	8696.	1.31	6615.	404.	6.14	0.0200	68.	20.	0.06

MILE	55.00	794.52	8473.	1.27	6672.	467.	6.57	0.0200	70.	21.	0.06
MILE	53.10	794.49	8261.	0.90	9217.	574.	6.09	0.0200	72.	21.	0.04
MILE	51.00	794.45	8091.	0.82	9868.	932.	6.18	0.0200	86.	25.	0.04
MILE	48.30	794.39	8427.	0.63	13451.	1642.	4.90	0.0200	86.	25.	0.04
MILE	46.20	794.37	8402.	0.53	15874.	1837.	6.80	0.0200	76.	33.	0.03
MILE	44.10	794.36	8603.	0.31	28040.	1525.	8.10	0.0300	45.	39.	0.01
MILE	43.70	794.35	8649.	0.60	14485.	1379.	8.21	0.0300	38.	41.	0.03
MILE	42.00	794.32	8909.	0.47	19124.	1345.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.29	8970.	0.49	18323.	1366.	7.88	0.0230	90.	43.	0.02
MILE	37.00	794.32	8297.	0.26	32331.	1132.	7.34	0.0280	56.	43.	0.01
MILE	36.00	794.32	8008.	0.40	19967.	911.	8.37	0.0280	43.	45.	0.02
MILE	34.60	794.32	7635.	0.25	30310.	1240.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.33	7402.	0.12	62795.	2165.	8.17	0.0290	56.	51.	0.00
MILE	31.50	794.33	7120.	0.23	30758.	1777.	10.42	0.0250	63.	56.	0.01
MILE	30.10	794.34	6907.	0.21	32428.	894.	9.97	0.0200	45.	54.	0.01
MILE	29.00	794.35	6751.	0.19	36104.	1067.	10.84	0.0200	50.	55.	0.01
MILE	27.30	794.36	6446.	0.17	37455.	1067.	11.23	0.0230	68.	57.	0.01
MILE	25.20	794.37	6123.	0.13	46380.	1065.	12.05	0.0230	76.	60.	0.00
MILE	23.10	794.41	5702.	0.15	38220.	1098.	11.49	0.0230	76.	64.	0.00

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TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.47	10092.	4.68	2155.	356.	3.74	0.0290	76.	9.	0.34
MILE	77.70	823.39	10162.	3.32	3065.	379.	4.34	0.0400	76.	13.	0.21
MILE	75.60	817.75	10231.	3.42	2991.	340.	4.65	0.0400	76.	11.	0.20
MILE	73.50	813.31	10307.	3.54	2912.	275.	4.48	0.0330	76.	14.	0.19
MILE	71.40	810.87	10389.	2.81	3691.	322.	4.27	0.0400	76.	13.	0.15
MILE	69.30	806.97	10480.	3.23	3249.	372.	3.69	0.0340	76.	8.	0.19
MILE	67.20	802.17	10582.	2.91	3636.	458.	3.54	0.0340	76.	11.	0.18
MILE	65.10	798.25	10686.	2.91	3668.	501.	4.34	0.0320	76.	11.	0.19
MILE	63.00	797.04	10743.	2.37	4528.	455.	5.24	0.0400	76.	16.	0.13
MILE	60.90	795.60	10823.	2.10	5148.	392.	6.09	0.0450	76.	19.	0.10
MILE	58.80	794.71	8989.	1.50	6008.	362.	6.22	0.0400	-1930.	22.	0.06
MILE	57.00	794.63	9106.	1.37	6636.	405.	6.15	0.0200	68.	20.	0.06
MILE	55.00	794.54	9225.	1.38	6681.	467.	6.58	0.0200	70.	21.	0.06
MILE	53.10	794.50	9343.	1.01	9222.	574.	6.09	0.0200	72.	21.	0.04
MILE	51.00	794.46	9392.	0.95	9872.	932.	6.18	0.0200	86.	25.	0.05
MILE	48.30	794.44	8687.	0.64	13510.	1645.	4.90	0.0200	86.	26.	0.04
MILE	46.20	794.44	7897.	0.50	15932.	1841.	6.81	0.0200	76.	33.	0.03
MILE	44.10	794.45	7230.	0.26	28151.	1530.	8.12	0.0300	45.	39.	0.01
MILE	43.70	794.45	7111.	0.49	14538.	1384.	8.20	0.0300	38.	41.	0.03
MILE	42.00	794.46	6517.	0.34	19295.	1351.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.46	5725.	0.31	18459.	1374.	7.90	0.0230	90.	43.	0.01
MILE	37.00	794.44	6271.	0.19	32523.	1136.	7.36	0.0280	56.	43.	0.01
MILE	36.00	794.43	6411.	0.32	20057.	914.	8.38	0.0280	43.	45.	0.01

MILE	34.60	794.43	6469.	0.21	30415.	1244.	9.69	0.0280	43.	46.	0.01
MILE	33.60	794.43	6527.	0.10	63069.	2172.	8.19	0.0290	56.	52.	0.00
MILE	31.50	794.42	6711.	0.22	30833.	1782.	10.43	0.0250	63.	56.	0.01
MILE	30.10	794.41	6631.	0.20	32500.	896.	9.98	0.0200	45.	54.	0.01
MILE	29.00	794.41	6664.	0.18	36165.	1069.	10.84	0.0200	50.	55.	0.01
MILE	27.30	794.41	6888.	0.18	37502.	1069.	11.23	0.0230	68.	57.	0.01
MILE	25.20	794.39	7229.	0.16	46394.	1066.	12.05	0.0230	76.	60.	0.00
MILE	23.10	794.36	7506.	0.20	38172.	1096.	11.48	0.0230	76.	64.	0.01

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TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.48	10091.	4.68	2157.	356.	3.75	0.0290	76.	9.	0.33
MILE	77.70	823.39	10164.	3.32	3065.	379.	4.34	0.0400	76.	13.	0.21
MILE	75.60	817.75	10236.	3.42	2991.	340.	4.65	0.0400	76.	11.	0.20
MILE	73.50	813.31	10313.	3.54	2912.	275.	4.48	0.0330	76.	14.	0.19
MILE	71.40	810.87	10394.	2.82	3690.	322.	4.27	0.0400	76.	13.	0.15
MILE	69.30	806.96	10476.	3.23	3248.	372.	3.69	0.0340	76.	8.	0.19
MILE	67.20	802.16	10560.	2.91	3631.	457.	3.54	0.0340	76.	11.	0.18
MILE	65.10	798.24	10655.	2.91	3664.	501.	4.33	0.0320	76.	11.	0.19
MILE	63.00	797.03	10752.	2.38	4523.	454.	5.23	0.0400	76.	16.	0.13
MILE	60.90	795.60	10772.	2.09	5149.	392.	6.09	0.0450	76.	19.	0.10
MILE	58.80	794.77	8624.	1.43	6032.	363.	6.23	0.0400	-1930.	22.	0.06
MILE	57.00	794.71	8495.	1.27	6673.	406.	6.17	0.0200	68.	20.	0.06
MILE	55.00	794.65	8353.	1.24	6723.	469.	6.59	0.0200	70.	21.	0.06
MILE	53.10	794.63	8175.	0.88	9302.	577.	6.11	0.0200	72.	21.	0.04
MILE	51.00	794.60	7920.	0.80	9946.	937.	6.20	0.0200	86.	25.	0.04
MILE	48.30	794.55	7997.	0.59	13638.	1651.	4.90	0.0200	86.	26.	0.04
MILE	46.20	794.52	8341.	0.52	16005.	1846.	6.82	0.0200	76.	33.	0.03
MILE	44.10	794.51	8347.	0.30	28219.	1533.	8.13	0.0300	45.	39.	0.01
MILE	43.70	794.50	8367.	0.57	14565.	1387.	8.20	0.0300	38.	42.	0.03
MILE	42.00	794.47	8595.	0.45	19310.	1352.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.41	9266.	0.50	18419.	1372.	7.89	0.0230	90.	43.	0.02
MILE	37.00	794.41	8948.	0.28	32482.	1135.	7.36	0.0280	56.	43.	0.01
MILE	36.00	794.40	8840.	0.44	20035.	914.	8.38	0.0280	43.	45.	0.02
MILE	34.60	794.40	8757.	0.29	30380.	1243.	9.68	0.0280	43.	46.	0.01
MILE	33.60	794.39	8736.	0.14	62973.	2170.	8.18	0.0290	56.	51.	0.00
MILE	31.50	794.39	8809.	0.29	30812.	1780.	10.43	0.0250	63.	56.	0.01
MILE	30.10	794.39	8859.	0.27	32473.	895.	9.98	0.0200	45.	54.	0.01
MILE	29.00	794.38	8869.	0.25	36137.	1068.	10.84	0.0200	50.	55.	0.01
MILE	27.30	794.38	8869.	0.24	37474.	1068.	11.23	0.0230	68.	57.	0.01
MILE	25.20	794.38	9010.	0.19	46388.	1066.	12.05	0.0230	76.	60.	0.01
MILE	23.10	794.39	8951.	0.23	38201.	1097.	11.49	0.0230	76.	64.	0.01

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TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.47	10069.	4.68	2154.	356.	3.74	0.0290	76.	9.	0.33
MILE	77.70	823.38	10149.	3.31	3063.	379.	4.34	0.0400	76.	13.	0.21
MILE	75.60	817.75	10234.	3.42	2991.	340.	4.65	0.0400	76.	11.	0.20
MILE	73.50	813.31	10317.	3.54	2912.	275.	4.48	0.0330	76.	14.	0.19
MILE	71.40	810.88	10399.	2.82	3692.	322.	4.27	0.0400	76.	13.	0.15
MILE	69.30	806.96	10480.	3.23	3248.	372.	3.69	0.0340	76.	8.	0.19
MILE	67.20	802.16	10561.	2.91	3631.	457.	3.54	0.0340	76.	11.	0.18
MILE	65.10	798.26	10627.	2.89	3671.	502.	4.34	0.0320	76.	11.	0.19
MILE	63.00	797.08	10637.	2.34	4541.	457.	5.24	0.0400	76.	16.	0.13
MILE	60.90	795.69	10670.	2.06	5181.	396.	6.11	0.0450	76.	19.	0.10
MILE	58.80	794.84	8844.	1.46	6059.	364.	6.24	0.0400	-1930.	22.	0.06
MILE	57.00	794.76	8996.	1.34	6694.	407.	6.18	0.0200	68.	20.	0.06
MILE	55.00	794.67	9134.	1.36	6731.	469.	6.60	0.0200	70.	21.	0.06
MILE	53.10	794.62	9289.	1.00	9298.	577.	6.11	0.0200	72.	21.	0.04
MILE	51.00	794.57	9533.	0.96	9928.	935.	6.19	0.0200	86.	25.	0.05
MILE	48.30	794.52	9732.	0.72	13599.	1649.	4.90	0.0200	86.	26.	0.04
MILE	46.20	794.51	9461.	0.59	15990.	1845.	6.82	0.0200	76.	33.	0.04
MILE	44.10	794.50	9683.	0.34	28208.	1532.	8.13	0.0300	45.	39.	0.01
MILE	43.70	794.49	9712.	0.67	14561.	1386.	8.20	0.0300	38.	41.	0.04
MILE	42.00	794.47	9751.	0.50	19310.	1352.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.44	9633.	0.52	18443.	1373.	7.90	0.0230	90.	43.	0.03
MILE	37.00	794.43	10127.	0.31	32504.	1136.	7.36	0.0280	56.	43.	0.01
MILE	36.00	794.41	10351.	0.52	20042.	914.	8.38	0.0280	43.	45.	0.02
MILE	34.60	794.40	10645.	0.35	30386.	1243.	9.68	0.0280	43.	46.	0.01
MILE	33.60	794.40	10836.	0.17	62987.	2170.	8.18	0.0290	56.	51.	0.01
MILE	31.50	794.39	11134.	0.36	30811.	1780.	10.43	0.0250	63.	56.	0.02
MILE	30.10	794.38	11403.	0.35	32466.	895.	9.98	0.0200	45.	54.	0.01
MILE	29.00	794.37	11575.	0.32	36127.	1067.	10.84	0.0200	50.	55.	0.01
MILE	27.30	794.37	11792.	0.31	37465.	1067.	11.23	0.0230	68.	57.	0.01
MILE	25.20	794.36	11817.	0.25	46363.	1065.	12.05	0.0230	76.	60.	0.01
MILE	23.10	794.34	12138.	0.32	38153.	1096.	11.48	0.0230	76.	64.	0.01

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TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.45	10044.	4.67	2149.	355.	3.74	0.0290	76.	9.	0.34
MILE	77.70	823.37	10127.	3.31	3059.	378.	4.33	0.0400	76.	13.	0.21
MILE	75.60	817.74	10218.	3.42	2989.	340.	4.65	0.0400	76.	11.	0.20
MILE	73.50	813.31	10309.	3.54	2912.	275.	4.48	0.0330	76.	14.	0.19
MILE	71.40	810.88	10395.	2.82	3692.	322.	4.27	0.0400	76.	13.	0.15

MILE	69.30	806.97	10477.	3.22	3249.	372.	3.69	0.0340	76.	8.	0.19
MILE	67.20	802.16	10552.	2.91	3632.	457.	3.54	0.0340	76.	11.	0.18
MILE	65.10	798.26	10624.	2.89	3674.	502.	4.34	0.0320	76.	11.	0.19
MILE	63.00	797.07	10719.	2.36	4537.	456.	5.24	0.0400	76.	16.	0.13
MILE	60.90	795.64	10831.	2.10	5163.	393.	6.10	0.0450	76.	19.	0.10
MILE	58.80	794.78	8889.	1.47	6034.	363.	6.23	0.0400	-1930.	22.	0.06
MILE	57.00	794.70	8935.	1.34	6669.	406.	6.17	0.0200	68.	20.	0.06
MILE	55.00	794.63	9032.	1.35	6713.	468.	6.59	0.0200	70.	21.	0.06
MILE	53.10	794.59	9151.	0.99	9277.	576.	6.10	0.0200	72.	21.	0.04
MILE	51.00	794.55	9300.	0.94	9918.	935.	6.19	0.0200	86.	25.	0.05
MILE	48.30	794.50	9679.	0.71	13574.	1648.	4.90	0.0200	86.	26.	0.04
MILE	46.20	794.46	10518.	0.66	15953.	1843.	6.81	0.0200	76.	33.	0.04
MILE	44.10	794.46	10888.	0.39	28157.	1530.	8.12	0.0300	45.	39.	0.02
MILE	43.70	794.45	10952.	0.75	14537.	1384.	8.20	0.0300	38.	41.	0.04
MILE	42.00	794.42	11275.	0.59	19243.	1349.	6.16	0.0300	83.	44.	0.03
MILE	39.10	794.35	12108.	0.66	18370.	1369.	7.89	0.0230	90.	43.	0.03
MILE	37.00	794.34	12243.	0.38	32365.	1133.	7.34	0.0280	56.	43.	0.01
MILE	36.00	794.33	12346.	0.62	19974.	911.	8.37	0.0280	43.	45.	0.02
MILE	34.60	794.33	12552.	0.41	30311.	1240.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.33	12706.	0.20	62794.	2165.	8.17	0.0290	56.	51.	0.01
MILE	31.50	794.32	12991.	0.42	30745.	1776.	10.42	0.0250	63.	56.	0.02
MILE	30.10	794.31	13270.	0.41	32396.	893.	9.96	0.0200	45.	54.	0.01
MILE	29.00	794.31	13401.	0.37	36065.	1065.	10.83	0.0200	50.	55.	0.01
MILE	27.30	794.31	13538.	0.36	37409.	1065.	11.22	0.0230	68.	57.	0.01
MILE	25.20	794.31	13758.	0.30	46314.	1063.	12.04	0.0230	76.	60.	0.01
MILE	23.10	794.31	13927.	0.37	38125.	1094.	11.47	0.0230	76.	64.	0.01

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TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.45	10047.	4.68	2147.	355.	3.74	0.0290	76.	9.	0.34
MILE	77.70	823.37	10126.	3.31	3057.	378.	4.33	0.0400	76.	13.	0.21
MILE	75.60	817.73	10209.	3.42	2986.	339.	4.65	0.0400	76.	11.	0.20
MILE	73.50	813.30	10292.	3.54	2909.	275.	4.47	0.0330	76.	14.	0.19
MILE	71.40	810.87	10374.	2.81	3688.	322.	4.27	0.0400	76.	13.	0.15
MILE	69.30	806.96	10455.	3.22	3245.	372.	3.69	0.0340	76.	8.	0.19
MILE	67.20	802.16	10536.	2.90	3628.	457.	3.54	0.0340	76.	11.	0.18
MILE	65.10	798.25	10621.	2.89	3670.	502.	4.34	0.0320	76.	11.	0.19
MILE	63.00	797.05	10711.	2.36	4533.	455.	5.24	0.0400	76.	16.	0.13
MILE	60.90	795.62	10827.	2.10	5156.	393.	6.10	0.0450	76.	19.	0.10
MILE	58.80	794.73	9023.	1.50	6016.	363.	6.23	0.0400	-1930.	22.	0.06
MILE	57.00	794.65	9212.	1.39	6644.	405.	6.16	0.0200	68.	20.	0.06
MILE	55.00	794.56	9411.	1.41	6686.	467.	6.58	0.0200	70.	21.	0.07
MILE	53.10	794.51	9603.	1.04	9227.	574.	6.09	0.0200	72.	21.	0.05
MILE	51.00	794.46	9897.	1.00	9870.	932.	6.18	0.0200	86.	25.	0.05
MILE	48.30	794.40	10486.	0.78	13459.	1643.	4.90	0.0200	86.	25.	0.05

MILE	46.20	794.38	10762.	0.68	15879.	1838.	6.80	0.0200	76.	33.	0.04
MILE	44.10	794.38	11271.	0.40	28060.	1526.	8.10	0.0300	45.	39.	0.02
MILE	43.70	794.37	11348.	0.78	14493.	1380.	8.21	0.0300	38.	41.	0.04
MILE	42.00	794.34	11600.	0.61	19149.	1346.	6.16	0.0300	83.	44.	0.03
MILE	39.10	794.31	11706.	0.64	18333.	1367.	7.88	0.0230	90.	43.	0.03
MILE	37.00	794.31	11880.	0.37	32322.	1132.	7.33	0.0280	56.	43.	0.01
MILE	36.00	794.31	11959.	0.60	19955.	910.	8.37	0.0280	43.	45.	0.02
MILE	34.60	794.30	12069.	0.40	30286.	1239.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.30	12147.	0.19	62726.	2163.	8.17	0.0290	56.	51.	0.01
MILE	31.50	794.30	12244.	0.40	30730.	1775.	10.41	0.0250	63.	56.	0.02
MILE	30.10	794.31	12205.	0.38	32388.	892.	9.96	0.0200	45.	54.	0.01
MILE	29.00	794.31	12232.	0.34	36061.	1065.	10.83	0.0200	50.	55.	0.01
MILE	27.30	794.31	12343.	0.33	37405.	1065.	11.22	0.0230	68.	57.	0.01
MILE	25.20	794.30	12383.	0.27	46304.	1063.	12.04	0.0230	76.	60.	0.01
MILE	23.10	794.31	12461.	0.33	38125.	1094.	11.47	0.0230	76.	64.	0.01

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TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.48	10117.	4.69	2156.	356.	3.75	0.0290	76.	9.	0.34
MILE	77.70	823.39	10185.	3.32	3066.	379.	4.34	0.0400	76.	13.	0.21
MILE	75.60	817.74	10240.	3.43	2989.	340.	4.65	0.0400	76.	11.	0.20
MILE	73.50	813.30	10298.	3.54	2909.	275.	4.47	0.0330	76.	14.	0.19
MILE	71.40	810.86	10366.	2.81	3686.	322.	4.27	0.0400	76.	13.	0.15
MILE	69.30	806.95	10438.	3.22	3242.	372.	3.69	0.0340	76.	8.	0.19
MILE	67.20	802.15	10516.	2.90	3623.	457.	3.54	0.0340	76.	11.	0.18
MILE	65.10	798.23	10611.	2.90	3660.	500.	4.33	0.0320	76.	11.	0.19
MILE	63.00	797.01	10746.	2.38	4517.	453.	5.23	0.0400	76.	16.	0.13
MILE	60.90	795.54	10906.	2.13	5129.	389.	6.08	0.0450	76.	19.	0.10
MILE	58.80	794.63	9060.	1.52	5980.	362.	6.21	0.0400	-1930.	22.	0.07
MILE	57.00	794.56	9169.	1.39	6605.	404.	6.14	0.0200	68.	20.	0.06
MILE	55.00	794.47	9303.	1.40	6655.	466.	6.57	0.0200	70.	21.	0.07
MILE	53.10	794.43	9441.	1.03	9183.	573.	6.08	0.0200	72.	21.	0.05
MILE	51.00	794.40	9594.	0.98	9839.	930.	6.17	0.0200	86.	25.	0.05
MILE	48.30	794.36	9730.	0.73	13415.	1641.	4.90	0.0200	86.	25.	0.04
MILE	46.20	794.34	9996.	0.63	15846.	1835.	6.79	0.0200	76.	33.	0.04
MILE	44.10	794.35	10104.	0.36	28026.	1524.	8.10	0.0300	45.	39.	0.01
MILE	43.70	794.34	10128.	0.70	14479.	1379.	8.21	0.0300	38.	41.	0.04
MILE	42.00	794.33	10258.	0.54	19128.	1345.	6.16	0.0300	83.	44.	0.03
MILE	39.10	794.29	10630.	0.58	18319.	1366.	7.88	0.0230	90.	43.	0.03
MILE	37.00	794.28	10965.	0.34	32269.	1130.	7.33	0.0280	56.	43.	0.01
MILE	36.00	794.27	11037.	0.55	19930.	910.	8.36	0.0280	43.	45.	0.02
MILE	34.60	794.28	11081.	0.37	30261.	1238.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.28	11208.	0.18	62662.	2161.	8.16	0.0290	56.	51.	0.01
MILE	31.50	794.27	11718.	0.38	30698.	1773.	10.41	0.0250	63.	55.	0.02
MILE	30.10	794.27	11909.	0.37	32347.	891.	9.96	0.0200	45.	53.	0.01

MILE	29.00	794.27	12023.	0.33	36021.	1064.	10.82	0.0200	50.	55.	0.01
MILE	27.30	794.27	12240.	0.33	37365.	1064.	11.21	0.0230	68.	57.	0.01
MILE	25.20	794.26	12583.	0.27	46259.	1061.	12.04	0.0230	76.	60.	0.01
MILE	23.10	794.26	12739.	0.33	38077.	1093.	11.47	0.0230	76.	64.	0.01

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TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.44	10033.	4.68	2146.	355.	3.74	0.0290	76.	9.	0.34
MILE	77.70	823.36	10115.	3.31	3057.	378.	4.33	0.0400	76.	13.	0.21
MILE	75.60	817.74	10210.	3.42	2988.	340.	4.65	0.0400	76.	11.	0.20
MILE	73.50	813.30	10297.	3.54	2910.	275.	4.47	0.0330	76.	14.	0.19
MILE	71.40	810.87	10373.	2.81	3687.	322.	4.27	0.0400	76.	13.	0.15
MILE	69.30	806.95	10444.	3.22	3242.	372.	3.69	0.0340	76.	8.	0.19
MILE	67.20	802.14	10516.	2.91	3618.	457.	3.53	0.0340	76.	11.	0.18
MILE	65.10	798.20	10608.	2.91	3647.	499.	4.32	0.0320	76.	11.	0.19
MILE	63.00	796.98	10724.	2.38	4503.	452.	5.22	0.0400	76.	16.	0.13
MILE	60.90	795.51	10825.	2.11	5119.	388.	6.07	0.0450	76.	19.	0.10
MILE	58.80	794.63	8899.	1.49	5977.	361.	6.21	0.0400	-1930.	22.	0.06
MILE	57.00	794.55	8963.	1.36	6602.	404.	6.14	0.0200	68.	20.	0.06
MILE	55.00	794.47	9037.	1.36	6653.	466.	6.57	0.0200	70.	21.	0.06
MILE	53.10	794.43	9111.	0.99	9180.	573.	6.07	0.0200	72.	21.	0.04
MILE	51.00	794.39	9228.	0.94	9834.	930.	6.17	0.0200	86.	25.	0.05
MILE	48.30	794.34	9549.	0.71	13385.	1639.	4.90	0.0200	86.	25.	0.04
MILE	46.20	794.32	9796.	0.62	15822.	1834.	6.79	0.0200	76.	33.	0.04
MILE	44.10	794.31	10102.	0.36	27981.	1522.	8.09	0.0300	45.	39.	0.01
MILE	43.70	794.30	10150.	0.70	14459.	1377.	8.21	0.0300	38.	41.	0.04
MILE	42.00	794.28	10325.	0.54	19071.	1343.	6.16	0.0300	83.	44.	0.03
MILE	39.10	794.25	10435.	0.57	18285.	1364.	7.88	0.0230	90.	43.	0.03
MILE	37.00	794.25	10439.	0.32	32227.	1129.	7.32	0.0280	56.	43.	0.01
MILE	36.00	794.25	10432.	0.52	19909.	909.	8.36	0.0280	43.	45.	0.02
MILE	34.60	794.25	10419.	0.34	30233.	1237.	9.66	0.0280	43.	46.	0.01
MILE	33.60	794.25	10429.	0.17	62587.	2159.	8.16	0.0290	56.	51.	0.01
MILE	31.50	794.25	10482.	0.34	30684.	1772.	10.41	0.0250	63.	55.	0.01
MILE	30.10	794.25	10377.	0.32	32334.	891.	9.95	0.0200	45.	53.	0.01
MILE	29.00	794.26	10339.	0.29	36010.	1063.	10.82	0.0200	50.	55.	0.01
MILE	27.30	794.26	10339.	0.28	37358.	1063.	11.21	0.0230	68.	57.	0.01
MILE	25.20	794.26	10424.	0.23	46258.	1061.	12.04	0.0230	76.	60.	0.01
MILE	23.10	794.27	10482.	0.28	38087.	1093.	11.47	0.0230	76.	64.	0.01

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TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	827.44	10006.	4.67	2143.	355.	3.73	0.0290	76.	9.	0.33
MILE	77.70	823.35	10085.	3.31	3050.	378.	4.33	0.0400	76.	13.	0.20
MILE	75.60	817.72	10171.	3.41	2981.	339.	4.64	0.0400	76.	11.	0.20
MILE	73.50	813.29	10261.	3.53	2905.	274.	4.47	0.0330	76.	14.	0.19
MILE	71.40	810.86	10349.	2.81	3683.	322.	4.27	0.0400	76.	13.	0.15
MILE	69.30	806.95	10435.	3.22	3240.	372.	3.69	0.0340	76.	8.	0.19
MILE	67.20	802.14	10519.	2.91	3617.	457.	3.53	0.0340	76.	11.	0.18
MILE	65.10	798.19	10605.	2.91	3643.	499.	4.32	0.0320	76.	11.	0.19
MILE	63.00	796.96	10698.	2.38	4499.	451.	5.22	0.0400	76.	16.	0.13
MILE	60.90	795.50	10806.	2.11	5114.	388.	6.07	0.0450	76.	19.	0.10
MILE	58.80	794.60	8937.	1.50	5967.	361.	6.21	0.0400	-1930.	22.	0.06
MILE	57.00	794.52	9041.	1.37	6591.	403.	6.13	0.0200	68.	20.	0.06
MILE	55.00	794.44	9155.	1.38	6642.	465.	6.56	0.0200	70.	21.	0.06
MILE	53.10	794.40	9257.	1.01	9161.	572.	6.07	0.0200	72.	21.	0.04
MILE	51.00	794.36	9352.	0.95	9821.	929.	6.16	0.0200	86.	25.	0.05
MILE	48.30	794.33	9327.	0.70	13375.	1639.	4.90	0.0200	86.	25.	0.04
MILE	46.20	794.31	9274.	0.59	15819.	1833.	6.78	0.0200	76.	33.	0.04
MILE	44.10	794.32	9206.	0.33	27987.	1523.	8.09	0.0300	45.	39.	0.01
MILE	43.70	794.31	9197.	0.64	14463.	1378.	8.21	0.0300	38.	41.	0.03
MILE	42.00	794.30	9146.	0.48	19097.	1344.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.28	9004.	0.49	18313.	1366.	7.88	0.0230	90.	43.	0.02
MILE	37.00	794.29	8941.	0.28	32279.	1131.	7.33	0.0280	56.	43.	0.01
MILE	36.00	794.28	8942.	0.45	19936.	910.	8.37	0.0280	43.	45.	0.02
MILE	34.60	794.28	8943.	0.30	30267.	1238.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.28	8881.	0.14	62680.	2162.	8.16	0.0290	56.	51.	0.00
MILE	31.50	794.29	8671.	0.28	30717.	1774.	10.41	0.0250	63.	55.	0.01
MILE	30.10	794.29	8742.	0.27	32368.	892.	9.96	0.0200	45.	53.	0.01
MILE	29.00	794.29	8765.	0.24	36039.	1064.	10.82	0.0200	50.	55.	0.01
MILE	27.30	794.29	8713.	0.23	37386.	1064.	11.22	0.0230	68.	57.	0.01
MILE	25.20	794.29	8615.	0.19	46290.	1063.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.29	8665.	0.23	38106.	1094.	11.47	0.0230	76.	64.	0.01

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TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	826.79	8601.	4.42	1947.	346.	3.53	0.0290	76.	8.	0.33
MILE	77.70	822.75	8847.	3.11	2847.	360.	4.14	0.0400	76.	12.	0.19
MILE	75.60	817.39	9387.	3.26	2881.	331.	4.56	0.0400	76.	11.	0.19
MILE	73.50	813.16	9867.	3.45	2863.	272.	4.44	0.0330	76.	14.	0.19
MILE	71.40	810.80	10162.	2.78	3658.	321.	4.25	0.0400	76.	13.	0.14
MILE	69.30	806.93	10360.	3.21	3230.	371.	3.68	0.0340	76.	8.	0.19
MILE	67.20	802.12	10487.	2.90	3611.	456.	3.53	0.0340	76.	11.	0.18
MILE	65.10	798.17	10592.	2.91	3637.	498.	4.31	0.0320	76.	11.	0.19

MILE	63.00	796.95	10693.	2.38	4492.	450.	5.22	0.0400	76.	16.	0.13
MILE	60.90	795.49	10770.	2.11	5110.	387.	6.06	0.0450	76.	19.	0.10
MILE	58.80	794.61	8800.	1.47	5971.	361.	6.21	0.0400	-1930.	22.	0.06
MILE	57.00	794.54	8818.	1.34	6598.	404.	6.13	0.0200	68.	20.	0.06
MILE	55.00	794.47	8834.	1.33	6651.	466.	6.57	0.0200	70.	21.	0.06
MILE	53.10	794.43	8829.	0.96	9181.	573.	6.07	0.0200	72.	21.	0.04
MILE	51.00	794.40	8774.	0.89	9840.	930.	6.17	0.0200	86.	25.	0.05
MILE	48.30	794.37	8624.	0.64	13420.	1641.	4.90	0.0200	86.	25.	0.04
MILE	46.20	794.35	8482.	0.53	15855.	1836.	6.79	0.0200	76.	33.	0.03
MILE	44.10	794.35	8302.	0.30	28035.	1525.	8.10	0.0300	45.	39.	0.01
MILE	43.70	794.35	8259.	0.57	14485.	1379.	8.21	0.0300	38.	41.	0.03
MILE	42.00	794.35	7948.	0.41	19159.	1346.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.39	6400.	0.35	18404.	1371.	7.89	0.0230	90.	43.	0.02
MILE	37.00	794.44	4470.	0.14	32532.	1137.	7.36	0.0280	56.	43.	0.00
MILE	36.00	794.46	3819.	0.19	20083.	915.	8.38	0.0280	43.	45.	0.01
MILE	34.60	794.49	2972.	0.10	30478.	1247.	9.69	0.0280	43.	46.	0.00
MILE	33.60	794.51	1933.	0.03	63278.	2178.	8.21	0.0290	56.	52.	0.00
MILE	31.50	794.54	-854.	-0.03	30942.	1789.	10.45	0.0250	63.	56.	0.00
MILE	30.10	794.56	-1880.	-0.06	32651.	900.	10.01	0.0200	45.	54.	0.00
MILE	29.00	794.57	-2572.	-0.07	36327.	1075.	10.87	0.0200	50.	55.	0.00
MILE	27.30	794.61	-3982.	-0.11	37700.	1076.	11.26	0.0230	68.	58.	0.00
MILE	25.20	794.65	-5594.	-0.12	46685.	1076.	12.09	0.0230	76.	60.	0.00
MILE	23.10	794.69	-6717.	-0.17	38486.	1109.	11.53	0.0230	76.	65.	-0.01

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TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	824.97	5325.	3.78	1409.	320.	2.91	0.0290	76.	6.	0.32
MILE	77.70	821.08	5890.	2.59	2276.	309.	3.60	0.0400	76.	10.	0.17
MILE	75.60	816.28	7224.	2.84	2543.	303.	4.27	0.0400	76.	10.	0.17
MILE	73.50	812.56	8435.	3.15	2679.	260.	4.30	0.0330	76.	13.	0.17
MILE	71.40	810.44	9216.	2.63	3508.	317.	4.14	0.0400	76.	13.	0.14
MILE	69.30	806.74	9777.	3.11	3142.	369.	3.62	0.0340	76.	8.	0.19
MILE	67.20	802.03	10169.	2.86	3561.	454.	3.50	0.0340	76.	11.	0.18
MILE	65.10	798.14	10447.	2.88	3624.	497.	4.31	0.0320	76.	11.	0.19
MILE	63.00	796.94	10593.	2.36	4491.	450.	5.22	0.0400	76.	16.	0.13
MILE	60.90	795.52	10661.	2.08	5121.	388.	6.07	0.0450	76.	19.	0.10
MILE	58.80	794.67	8690.	1.45	5994.	362.	6.22	0.0400	-1930.	22.	0.06
MILE	57.00	794.60	8688.	1.31	6626.	405.	6.15	0.0200	68.	20.	0.06
MILE	55.00	794.55	8614.	1.29	6682.	467.	6.58	0.0200	70.	21.	0.06
MILE	53.10	794.54	8366.	0.90	9245.	575.	6.09	0.0200	72.	21.	0.04
MILE	51.00	794.55	7607.	0.77	9919.	935.	6.19	0.0200	86.	25.	0.04
MILE	48.30	794.62	4850.	0.35	13725.	1655.	4.90	0.0200	86.	26.	0.02
MILE	46.20	794.67	1827.	0.11	16142.	1856.	6.85	0.0200	76.	33.	0.01
MILE	44.10	794.72	-1012.	-0.04	28478.	1544.	8.16	0.0300	45.	40.	0.00
MILE	43.70	794.73	-1423.	-0.10	14691.	1397.	8.18	0.0300	38.	42.	-0.01

MILE	42.00	794.77	-2839.	-0.14	19690.	1365.	6.16	0.0300	83.	45.	-0.01
MILE	39.10	794.79	-3828.	-0.20	18733.	1389.	7.93	0.0230	90.	44.	-0.01
MILE	37.00	794.78	-3472.	-0.10	33070.	1149.	7.44	0.0280	56.	43.	0.00
MILE	36.00	794.77	-3216.	-0.16	20334.	925.	8.41	0.0280	43.	46.	-0.01
MILE	34.60	794.77	-2833.	-0.09	30751.	1258.	9.73	0.0280	43.	46.	0.00
MILE	33.60	794.76	-2719.	-0.04	63966.	2197.	8.25	0.0290	56.	52.	0.00
MILE	31.50	794.76	-2958.	-0.09	31143.	1802.	10.48	0.0250	63.	56.	0.00
MILE	30.10	794.75	-2856.	-0.09	32856.	906.	10.04	0.0200	45.	54.	0.00
MILE	29.00	794.75	-2687.	-0.07	36502.	1081.	10.90	0.0200	50.	55.	0.00
MILE	27.30	794.74	-2294.	-0.06	37829.	1081.	11.28	0.0230	68.	58.	0.00
MILE	25.20	794.71	-1947.	-0.04	46750.	1078.	12.10	0.0230	76.	60.	0.00
MILE	23.10	794.68	-1653.	-0.04	38477.	1108.	11.53	0.0230	76.	65.	0.00

0DATE 5-15-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.05	5330.	3.72	1432.	322.	2.94	0.0290	76.	6.	0.31
MILE	77.70	820.51	5486.	2.64	2081.	291.	3.40	0.0400	76.	10.	0.17
MILE	75.60	815.10	5939.	2.71	2192.	272.	3.95	0.0400	76.	9.	0.17
MILE	73.50	811.54	6735.	2.84	2373.	239.	4.06	0.0330	76.	12.	0.16
MILE	71.40	809.64	7530.	2.37	3176.	305.	3.90	0.0400	76.	12.	0.13
MILE	69.30	806.20	8337.	2.88	2890.	362.	3.45	0.0340	76.	8.	0.18
MILE	67.20	801.69	9116.	2.71	3368.	443.	3.39	0.0340	76.	11.	0.17
MILE	65.10	798.00	9823.	2.76	3565.	490.	4.26	0.0320	76.	11.	0.18
MILE	63.00	796.92	10131.	2.26	4483.	449.	5.21	0.0400	76.	16.	0.13
MILE	60.90	795.74	9899.	1.90	5197.	397.	6.12	0.0450	76.	19.	0.09
MILE	58.80	795.18	7060.	1.14	6188.	372.	6.30	0.0400	-1930.	22.	0.05
MILE	57.00	795.17	6293.	0.92	6872.	417.	6.27	0.0200	68.	20.	0.04
MILE	55.00	795.15	5456.	0.79	6917.	480.	6.67	0.0200	70.	22.	0.04
MILE	53.10	795.14	4772.	0.50	9616.	590.	6.22	0.0200	72.	22.	0.02
MILE	51.00	795.09	4158.	0.41	10217.	954.	6.26	0.0200	86.	26.	0.02
MILE	48.30	795.00	4256.	0.30	14184.	1676.	4.90	0.0200	86.	26.	0.02
MILE	46.20	794.97	3502.	0.21	16411.	1874.	6.90	0.0200	76.	33.	0.01
MILE	44.10	794.93	3041.	0.11	28731.	1555.	8.20	0.0300	45.	40.	0.00
MILE	43.70	794.92	2999.	0.20	14797.	1406.	8.17	0.0300	38.	42.	0.01
MILE	42.00	794.86	3023.	0.15	19811.	1370.	6.16	0.0300	83.	45.	0.01
MILE	39.10	794.78	3112.	0.17	18729.	1389.	7.93	0.0230	90.	44.	0.01
MILE	37.00	794.76	2441.	0.07	33048.	1149.	7.44	0.0280	56.	43.	0.00
MILE	36.00	794.75	2108.	0.10	20318.	924.	8.41	0.0280	43.	46.	0.00
MILE	34.60	794.73	1662.	0.05	30719.	1257.	9.73	0.0280	43.	46.	0.00
MILE	33.60	794.73	1476.	0.02	63863.	2194.	8.25	0.0290	56.	52.	0.00
MILE	31.50	794.71	1543.	0.05	31096.	1799.	10.47	0.0250	63.	56.	0.00
MILE	30.10	794.70	1481.	0.05	32803.	905.	10.04	0.0200	45.	54.	0.00
MILE	29.00	794.70	1428.	0.04	36450.	1079.	10.89	0.0200	50.	55.	0.00
MILE	27.30	794.68	1349.	0.04	37772.	1078.	11.27	0.0230	68.	58.	0.00
MILE	25.20	794.68	1367.	0.03	46710.	1076.	12.09	0.0230	76.	60.	0.00

MILE	23.10	794.69	1190.	0.03	38486.	1109.	11.53	0.0230	76.	65.	0.00

0DATE 5-15-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.05	5280.	3.69	1431.	322.	2.94	0.0290	76.	6.	0.31
MILE	77.70	820.35	5377.	2.65	2029.	287.	3.35	0.0400	76.	10.	0.18
MILE	75.60	814.58	5568.	2.72	2045.	259.	3.79	0.0400	76.	8.	0.17
MILE	73.50	810.85	5959.	2.74	2171.	225.	3.89	0.0330	76.	12.	0.16
MILE	71.40	808.96	6447.	2.23	2896.	292.	3.69	0.0400	76.	11.	0.12
MILE	69.30	805.60	7039.	2.70	2612.	355.	3.24	0.0340	76.	7.	0.18
MILE	67.20	801.14	7758.	2.53	3066.	427.	3.20	0.0340	76.	10.	0.17
MILE	65.10	797.77	8562.	2.46	3474.	480.	4.20	0.0320	76.	11.	0.16
MILE	63.00	796.92	8977.	2.00	4483.	449.	5.21	0.0400	76.	16.	0.11
MILE	60.90	795.93	9340.	1.77	5265.	405.	6.17	0.0450	76.	19.	0.09
MILE	58.80	795.31	7783.	1.25	6238.	377.	6.33	0.0400	-1930.	22.	0.05
MILE	57.00	795.26	8069.	1.17	6911.	420.	6.29	0.0200	68.	20.	0.05
MILE	55.00	795.19	8384.	1.21	6930.	481.	6.67	0.0200	70.	22.	0.06
MILE	53.10	795.13	8776.	0.91	9614.	590.	6.22	0.0200	72.	22.	0.04
MILE	51.00	795.07	9292.	0.91	10205.	953.	6.26	0.0200	86.	26.	0.05
MILE	48.30	795.02	9248.	0.65	14212.	1679.	4.91	0.0200	86.	26.	0.04
MILE	46.20	794.99	9131.	0.56	16427.	1876.	6.90	0.0200	76.	33.	0.03
MILE	44.10	794.98	9074.	0.32	28789.	1557.	8.21	0.0300	45.	40.	0.01
MILE	43.70	794.97	9038.	0.61	14825.	1409.	8.17	0.0300	38.	42.	0.03
MILE	42.00	794.95	8714.	0.44	19926.	1374.	6.16	0.0300	83.	45.	0.02
MILE	39.10	794.91	8246.	0.44	18834.	1395.	7.94	0.0230	90.	44.	0.02
MILE	37.00	794.88	8854.	0.27	33234.	1153.	7.46	0.0280	56.	44.	0.01
MILE	36.00	794.86	8955.	0.44	20409.	928.	8.42	0.0280	43.	46.	0.02
MILE	34.60	794.85	8932.	0.29	30831.	1262.	9.74	0.0280	43.	46.	0.01
MILE	33.60	794.84	9009.	0.14	64170.	2202.	8.27	0.0290	56.	52.	0.00
MILE	31.50	794.82	9389.	0.30	31196.	1806.	10.48	0.0250	63.	56.	0.01
MILE	30.10	794.80	9138.	0.28	32905.	908.	10.05	0.0200	45.	54.	0.01
MILE	29.00	794.79	9060.	0.25	36542.	1082.	10.91	0.0200	50.	55.	0.01
MILE	27.30	794.77	9160.	0.24	37856.	1082.	11.29	0.0230	68.	58.	0.01
MILE	25.20	794.72	9477.	0.20	46763.	1078.	12.10	0.0230	76.	60.	0.01
MILE	23.10	794.69	9519.	0.25	38487.	1109.	11.53	0.0230	76.	65.	0.01

0DATE 5-15-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.06	5270.	3.67	1436.	322.	2.94	0.0290	76.	6.	0.31

MILE	77.70	820.31	5349.	2.66	2014.	285.	3.33	0.0400	76.	10.	0.18
MILE	75.60	814.38	5461.	2.74	1992.	254.	3.73	0.0400	76.	8.	0.17
MILE	73.50	810.51	5666.	2.73	2074.	218.	3.80	0.0330	76.	11.	0.16
MILE	71.40	808.59	5938.	2.16	2744.	285.	3.57	0.0400	76.	11.	0.12
MILE	69.30	805.20	6283.	2.59	2426.	350.	3.10	0.0340	76.	6.	0.17
MILE	67.20	800.63	6747.	2.42	2789.	412.	3.02	0.0340	76.	10.	0.16
MILE	65.10	797.33	7517.	2.28	3294.	459.	4.07	0.0320	76.	10.	0.15
MILE	63.00	796.53	8291.	1.91	4337.	430.	5.13	0.0400	76.	16.	0.11
MILE	60.90	795.60	8855.	1.72	5149.	392.	6.09	0.0450	76.	19.	0.08
MILE	58.80	795.06	7124.	1.16	6141.	368.	6.27	0.0400	-1930.	22.	0.05
MILE	57.00	795.03	7326.	1.08	6809.	411.	6.24	0.0200	68.	20.	0.05
MILE	55.00	794.99	7591.	1.11	6854.	474.	6.64	0.0200	70.	21.	0.05
MILE	53.10	794.99	7802.	0.82	9524.	584.	6.18	0.0200	72.	22.	0.04
MILE	51.00	794.98	8052.	0.79	10143.	948.	6.25	0.0200	86.	26.	0.04
MILE	48.30	794.95	8959.	0.63	14121.	1673.	4.90	0.0200	86.	26.	0.04
MILE	46.20	794.92	10314.	0.63	16365.	1871.	6.89	0.0200	76.	33.	0.04
MILE	44.10	794.91	11322.	0.39	28706.	1553.	8.20	0.0300	45.	40.	0.02
MILE	43.70	794.90	11477.	0.78	14785.	1405.	8.18	0.0300	38.	42.	0.04
MILE	42.00	794.87	12101.	0.61	19818.	1370.	6.16	0.0300	83.	45.	0.03
MILE	39.10	794.80	13233.	0.71	18746.	1390.	7.93	0.0230	90.	44.	0.03
MILE	37.00	794.81	13164.	0.40	33123.	1151.	7.45	0.0280	56.	44.	0.01
MILE	36.00	794.80	13082.	0.64	20359.	926.	8.41	0.0280	43.	46.	0.02
MILE	34.60	794.80	12907.	0.42	30786.	1260.	9.73	0.0280	43.	46.	0.01
MILE	33.60	794.80	12743.	0.20	64074.	2200.	8.26	0.0290	56.	52.	0.01
MILE	31.50	794.81	12439.	0.40	31188.	1805.	10.48	0.0250	63.	56.	0.02
MILE	30.10	794.81	12316.	0.37	32915.	908.	10.06	0.0200	45.	54.	0.01
MILE	29.00	794.81	12196.	0.33	36565.	1083.	10.91	0.0200	50.	55.	0.01
MILE	27.30	794.81	11919.	0.31	37903.	1083.	11.29	0.0230	68.	58.	0.01
MILE	25.20	794.83	11708.	0.25	46880.	1082.	12.12	0.0230	76.	60.	0.01
MILE	23.10	794.84	11360.	0.29	38629.	1114.	11.56	0.0230	76.	65.	0.01

0DATE 5-15-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.10	5321.	3.68	1446.	322.	2.96	0.0290	76.	6.	0.31
MILE	77.70	820.33	5395.	2.67	2020.	286.	3.34	0.0400	76.	10.	0.18
MILE	75.60	814.34	5462.	2.76	1979.	253.	3.72	0.0400	76.	8.	0.17
MILE	73.50	810.37	5566.	2.74	2034.	216.	3.77	0.0330	76.	11.	0.16
MILE	71.40	808.41	5711.	2.14	2670.	282.	3.52	0.0400	76.	11.	0.12
MILE	69.30	804.97	5899.	2.54	2320.	346.	3.02	0.0340	76.	6.	0.17
MILE	67.20	800.28	6194.	2.38	2600.	401.	2.90	0.0340	76.	10.	0.16
MILE	65.10	796.86	6769.	2.18	3102.	437.	3.93	0.0320	76.	10.	0.14
MILE	63.00	796.14	7384.	1.76	4193.	410.	5.04	0.0400	76.	15.	0.10
MILE	60.90	795.36	7882.	1.56	5065.	382.	6.03	0.0450	76.	19.	0.08
MILE	58.80	794.89	6363.	1.05	6078.	365.	6.25	0.0400	-1930.	22.	0.05
MILE	57.00	794.86	6708.	1.00	6736.	408.	6.20	0.0200	68.	20.	0.04

MILE	55.00	794.82	7066.	1.04	6787.	471.	6.62	0.0200	70.	21.	0.05
MILE	53.10	794.80	7432.	0.79	9407.	580.	6.14	0.0200	72.	22.	0.03
MILE	51.00	794.78	7963.	0.79	10037.	942.	6.22	0.0200	86.	25.	0.04
MILE	48.30	794.77	8594.	0.62	13905.	1664.	4.90	0.0200	86.	26.	0.04
MILE	46.20	794.79	8611.	0.53	16245.	1863.	6.87	0.0200	76.	33.	0.03
MILE	44.10	794.80	8971.	0.31	28577.	1548.	8.18	0.0300	45.	40.	0.01
MILE	43.70	794.80	9024.	0.61	14730.	1401.	8.18	0.0300	38.	42.	0.03
MILE	42.00	794.81	9167.	0.46	19740.	1367.	6.16	0.0300	83.	45.	0.02
MILE	39.10	794.81	9515.	0.51	18747.	1390.	7.93	0.0230	90.	44.	0.02
MILE	37.00	794.80	10211.	0.31	33112.	1150.	7.45	0.0280	56.	44.	0.01
MILE	36.00	794.79	10547.	0.52	20352.	926.	8.41	0.0280	43.	46.	0.02
MILE	34.60	794.79	11035.	0.36	30773.	1259.	9.73	0.0280	43.	46.	0.01
MILE	33.60	794.79	11382.	0.18	64036.	2199.	8.26	0.0290	56.	52.	0.01
MILE	31.50	794.79	11944.	0.38	31173.	1804.	10.48	0.0250	63.	56.	0.02
MILE	30.10	794.78	12369.	0.38	32887.	907.	10.05	0.0200	45.	54.	0.01
MILE	29.00	794.78	12645.	0.35	36533.	1082.	10.90	0.0200	50.	55.	0.01
MILE	27.30	794.78	13044.	0.34	37873.	1082.	11.29	0.0230	68.	58.	0.01
MILE	25.20	794.78	13205.	0.28	46827.	1080.	12.11	0.0230	76.	60.	0.01
MILE	23.10	794.77	13590.	0.35	38563.	1111.	11.55	0.0230	76.	65.	0.01

0DATE 5-16-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.60	6123.	3.84	1594.	329.	3.13	0.0290	76.	7.	0.31
MILE	77.70	820.75	6103.	2.82	2162.	299.	3.49	0.0400	76.	10.	0.18
MILE	75.60	814.53	5848.	2.88	2033.	258.	3.78	0.0400	76.	8.	0.18
MILE	73.50	810.39	5701.	2.79	2040.	216.	3.77	0.0330	76.	11.	0.16
MILE	71.40	808.36	5696.	2.15	2651.	281.	3.50	0.0400	76.	11.	0.12
MILE	69.30	804.87	5775.	2.54	2273.	343.	2.99	0.0340	76.	6.	0.17
MILE	67.20	800.10	5943.	2.38	2499.	396.	2.83	0.0340	76.	9.	0.17
MILE	65.10	796.47	6328.	2.15	2947.	420.	3.81	0.0320	76.	9.	0.14
MILE	63.00	795.79	6846.	1.69	4062.	393.	4.97	0.0400	76.	15.	0.09
MILE	60.90	795.10	7208.	1.45	4974.	371.	5.97	0.0450	76.	19.	0.07
MILE	58.80	794.75	5292.	0.88	6025.	363.	6.23	0.0400	-1930.	22.	0.04
MILE	57.00	794.75	5315.	0.79	6688.	407.	6.18	0.0200	68.	20.	0.03
MILE	55.00	794.74	5388.	0.80	6758.	470.	6.61	0.0200	70.	21.	0.04
MILE	53.10	794.75	5510.	0.59	9374.	579.	6.13	0.0200	72.	21.	0.03
MILE	51.00	794.74	5742.	0.57	10018.	941.	6.21	0.0200	86.	25.	0.03
MILE	48.30	794.72	6511.	0.47	13842.	1661.	4.90	0.0200	86.	26.	0.03
MILE	46.20	794.71	7470.	0.46	16176.	1858.	6.85	0.0200	76.	33.	0.03
MILE	44.10	794.71	8044.	0.28	28467.	1543.	8.16	0.0300	45.	40.	0.01
MILE	43.70	794.71	8135.	0.55	14679.	1396.	8.19	0.0300	38.	42.	0.03
MILE	42.00	794.70	8508.	0.43	19602.	1362.	6.16	0.0300	83.	45.	0.02
MILE	39.10	794.67	9265.	0.50	18638.	1384.	7.92	0.0230	90.	44.	0.02
MILE	37.00	794.68	9284.	0.28	32914.	1146.	7.42	0.0280	56.	43.	0.01
MILE	36.00	794.68	9377.	0.46	20258.	922.	8.40	0.0280	43.	46.	0.02

MILE	34.60	794.68	9601.	0.31	30667.	1255.	9.72	0.0280	43.	46.	0.01
MILE	33.60	794.69	9737.	0.15	63756.	2191.	8.24	0.0290	56.	52.	0.00
MILE	31.50	794.69	9919.	0.32	31080.	1798.	10.47	0.0250	63.	56.	0.01
MILE	30.10	794.69	10238.	0.31	32794.	904.	10.03	0.0200	45.	54.	0.01
MILE	29.00	794.70	10376.	0.28	36450.	1079.	10.89	0.0200	50.	55.	0.01
MILE	27.30	794.70	10465.	0.28	37793.	1079.	11.28	0.0230	68.	58.	0.01
MILE	25.20	794.72	10552.	0.23	46756.	1078.	12.10	0.0230	76.	60.	0.01
MILE	23.10	794.73	10643.	0.28	38525.	1110.	11.54	0.0230	76.	65.	0.01

0DATE 5-16-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.95	6723.	3.96	1696.	334.	3.25	0.0290	76.	7.	0.31
MILE	77.70	821.16	6704.	2.91	2302.	311.	3.63	0.0400	76.	10.	0.19
MILE	75.60	814.96	6467.	3.00	2153.	269.	3.91	0.0400	76.	8.	0.19
MILE	73.50	810.68	6212.	2.93	2121.	222.	3.85	0.0330	76.	11.	0.17
MILE	71.40	808.53	6052.	2.23	2720.	284.	3.56	0.0400	76.	11.	0.13
MILE	69.30	804.93	5954.	2.59	2302.	345.	3.01	0.0340	76.	6.	0.18
MILE	67.20	800.05	5951.	2.41	2472.	394.	2.81	0.0340	76.	9.	0.17
MILE	65.10	796.26	6109.	2.13	2862.	410.	3.75	0.0320	76.	9.	0.14
MILE	63.00	795.63	6345.	1.58	4004.	385.	4.93	0.0400	76.	15.	0.09
MILE	60.90	795.02	6600.	1.33	4948.	368.	5.95	0.0450	76.	19.	0.06
MILE	58.80	794.70	4891.	0.81	6004.	362.	6.22	0.0400	-1930.	22.	0.04
MILE	57.00	794.68	5091.	0.76	6659.	406.	6.16	0.0200	68.	20.	0.03
MILE	55.00	794.66	5278.	0.78	6727.	469.	6.59	0.0200	70.	21.	0.04
MILE	53.10	794.66	5455.	0.59	9318.	577.	6.12	0.0200	72.	21.	0.03
MILE	51.00	794.64	5703.	0.57	9967.	938.	6.20	0.0200	86.	25.	0.03
MILE	48.30	794.64	6012.	0.44	13738.	1656.	4.90	0.0200	86.	26.	0.03
MILE	46.20	794.64	6099.	0.38	16111.	1854.	6.84	0.0200	76.	33.	0.02
MILE	44.10	794.65	6371.	0.22	28387.	1540.	8.15	0.0300	45.	39.	0.01
MILE	43.70	794.65	6405.	0.44	14645.	1393.	8.19	0.0300	38.	42.	0.02
MILE	42.00	794.65	6444.	0.33	19543.	1360.	6.16	0.0300	83.	45.	0.02
MILE	39.10	794.67	6215.	0.33	18637.	1384.	7.92	0.0230	90.	44.	0.02
MILE	37.00	794.69	6346.	0.19	32924.	1146.	7.42	0.0280	56.	43.	0.01
MILE	36.00	794.69	6376.	0.31	20267.	922.	8.40	0.0280	43.	46.	0.01
MILE	34.60	794.70	6373.	0.21	30682.	1255.	9.72	0.0280	43.	46.	0.01
MILE	33.60	794.70	6370.	0.10	63797.	2192.	8.24	0.0290	56.	52.	0.00
MILE	31.50	794.70	6361.	0.20	31094.	1799.	10.47	0.0250	63.	56.	0.01
MILE	30.10	794.71	6238.	0.19	32815.	905.	10.04	0.0200	45.	54.	0.01
MILE	29.00	794.72	6229.	0.17	36474.	1080.	10.89	0.0200	50.	55.	0.01
MILE	27.30	794.73	6315.	0.17	37816.	1080.	11.28	0.0230	68.	58.	0.00
MILE	25.20	794.72	6337.	0.14	46762.	1078.	12.10	0.0230	76.	60.	0.00
MILE	23.10	794.73	6395.	0.17	38525.	1110.	11.54	0.0230	76.	65.	0.00

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TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.93	6719.	3.97	1691.	334.	3.25	0.0290	76.	7.	0.31
MILE	77.70	821.27	6776.	2.90	2339.	315.	3.66	0.0400	76.	11.	0.19
MILE	75.60	815.27	6785.	3.03	2242.	277.	4.00	0.0400	76.	9.	0.19
MILE	73.50	811.02	6688.	3.01	2219.	229.	3.93	0.0330	76.	12.	0.17
MILE	71.40	808.83	6566.	2.31	2841.	290.	3.65	0.0400	76.	11.	0.13
MILE	69.30	805.15	6422.	2.67	2403.	349.	3.08	0.0340	76.	6.	0.18
MILE	67.20	800.16	6269.	2.48	2531.	398.	2.85	0.0340	76.	9.	0.17
MILE	65.10	796.19	6208.	2.19	2833.	407.	3.72	0.0320	76.	9.	0.15
MILE	63.00	795.53	6316.	1.59	3968.	380.	4.91	0.0400	76.	15.	0.09
MILE	60.90	794.94	6426.	1.31	4919.	366.	5.94	0.0450	76.	18.	0.06
MILE	58.80	794.66	4457.	0.74	5988.	362.	6.22	0.0400	-1930.	22.	0.03
MILE	57.00	794.65	4474.	0.67	6645.	405.	6.16	0.0200	68.	20.	0.03
MILE	55.00	794.64	4492.	0.67	6719.	468.	6.59	0.0200	70.	21.	0.03
MILE	53.10	794.65	4467.	0.48	9315.	577.	6.12	0.0200	72.	21.	0.02
MILE	51.00	794.66	4337.	0.43	9975.	938.	6.20	0.0200	86.	25.	0.02
MILE	48.30	794.67	4073.	0.30	13781.	1658.	4.90	0.0200	86.	26.	0.02
MILE	46.20	794.67	4025.	0.25	16142.	1856.	6.85	0.0200	76.	33.	0.01
MILE	44.10	794.68	3831.	0.13	28430.	1542.	8.16	0.0300	45.	39.	0.01
MILE	43.70	794.68	3815.	0.26	14665.	1395.	8.19	0.0300	38.	42.	0.01
MILE	42.00	794.69	3851.	0.20	19585.	1362.	6.16	0.0300	83.	45.	0.01
MILE	39.10	794.68	4175.	0.22	18644.	1384.	7.92	0.0230	90.	44.	0.01
MILE	37.00	794.68	4418.	0.13	32910.	1146.	7.42	0.0280	56.	43.	0.00
MILE	36.00	794.68	4437.	0.22	20258.	922.	8.40	0.0280	43.	46.	0.01
MILE	34.60	794.68	4402.	0.14	30667.	1255.	9.72	0.0280	43.	46.	0.01
MILE	33.60	794.68	4507.	0.07	63749.	2191.	8.24	0.0290	56.	52.	0.00
MILE	31.50	794.68	5048.	0.16	31069.	1797.	10.47	0.0250	63.	56.	0.01
MILE	30.10	794.68	5140.	0.16	32781.	904.	10.03	0.0200	45.	54.	0.00
MILE	29.00	794.68	5221.	0.14	36437.	1079.	10.89	0.0200	50.	55.	0.00
MILE	27.30	794.68	5480.	0.15	37772.	1078.	11.27	0.0230	68.	58.	0.00
MILE	25.20	794.68	5983.	0.13	46712.	1076.	12.09	0.0230	76.	60.	0.00
MILE	23.10	794.68	6128.	0.16	38477.	1108.	11.53	0.0230	76.	65.	0.00

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TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6716.	3.99	1685.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.29	6798.	2.89	2348.	315.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.38	6869.	3.02	2275.	280.	4.03	0.0400	76.	9.	0.19
MILE	73.50	811.21	6892.	3.03	2275.	232.	3.98	0.0330	76.	12.	0.17
MILE	71.40	809.04	6882.	2.35	2928.	294.	3.72	0.0400	76.	11.	0.13

MILE	69.30	805.36	6833.	2.73	2499.	352.	3.16	0.0340	76.	7.	0.18
MILE	67.20	800.35	6717.	2.55	2637.	403.	2.92	0.0340	76.	10.	0.18
MILE	65.10	796.28	6533.	2.27	2872.	411.	3.75	0.0320	76.	9.	0.15
MILE	63.00	795.62	6379.	1.59	4001.	385.	4.93	0.0400	76.	15.	0.09
MILE	60.90	795.06	6242.	1.26	4961.	369.	5.96	0.0450	76.	19.	0.06
MILE	58.80	794.79	4165.	0.69	6040.	363.	6.23	0.0400	-1930.	22.	0.03
MILE	57.00	794.77	4117.	0.61	6699.	407.	6.18	0.0200	68.	20.	0.03
MILE	55.00	794.75	4057.	0.60	6762.	470.	6.61	0.0200	70.	21.	0.03
MILE	53.10	794.74	4036.	0.43	9369.	579.	6.13	0.0200	72.	21.	0.02
MILE	51.00	794.72	4070.	0.41	10005.	940.	6.21	0.0200	86.	25.	0.02
MILE	48.30	794.70	4209.	0.30	13809.	1659.	4.90	0.0200	86.	26.	0.02
MILE	46.20	794.69	4137.	0.26	16156.	1857.	6.85	0.0200	76.	33.	0.02
MILE	44.10	794.68	4282.	0.15	28430.	1542.	8.16	0.0300	45.	39.	0.01
MILE	43.70	794.68	4306.	0.29	14663.	1395.	8.19	0.0300	38.	42.	0.02
MILE	42.00	794.67	4390.	0.22	19565.	1361.	6.16	0.0300	83.	45.	0.01
MILE	39.10	794.67	4262.	0.23	18632.	1384.	7.92	0.0230	90.	44.	0.01
MILE	37.00	794.67	4284.	0.13	32903.	1145.	7.42	0.0280	56.	43.	0.00
MILE	36.00	794.67	4241.	0.21	20252.	922.	8.40	0.0280	43.	46.	0.01
MILE	34.60	794.67	4136.	0.13	30654.	1254.	9.72	0.0280	43.	46.	0.00
MILE	33.60	794.67	4125.	0.06	63712.	2190.	8.24	0.0290	56.	52.	0.00
MILE	31.50	794.67	4283.	0.14	31064.	1797.	10.46	0.0250	63.	56.	0.01
MILE	30.10	794.67	4172.	0.13	32771.	904.	10.03	0.0200	45.	54.	0.00
MILE	29.00	794.67	4130.	0.11	36426.	1078.	10.89	0.0200	50.	55.	0.00
MILE	27.30	794.67	4144.	0.11	37766.	1078.	11.27	0.0230	68.	58.	0.00
MILE	25.20	794.67	4255.	0.09	46709.	1076.	12.09	0.0230	76.	60.	0.00
MILE	23.10	794.68	4307.	0.11	38477.	1108.	11.53	0.0230	76.	65.	0.00

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TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.89	6738.	4.01	1680.	334.	3.23	0.0290	76.	7.	0.31
MILE	77.70	821.31	6824.	2.90	2354.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.43	6906.	3.02	2289.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.29	6970.	3.03	2300.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.14	7016.	2.36	2969.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.48	7039.	2.76	2553.	353.	3.20	0.0340	76.	7.	0.18
MILE	67.20	800.51	7011.	2.57	2723.	408.	2.98	0.0340	76.	10.	0.18
MILE	65.10	796.49	6862.	2.32	2953.	420.	3.82	0.0320	76.	9.	0.15
MILE	63.00	795.77	6725.	1.66	4057.	392.	4.96	0.0400	76.	15.	0.09
MILE	60.90	795.13	6714.	1.35	4988.	373.	5.98	0.0450	76.	19.	0.06
MILE	58.80	794.81	4771.	0.79	6048.	364.	6.24	0.0400	-1930.	22.	0.03
MILE	57.00	794.79	4840.	0.72	6705.	407.	6.19	0.0200	68.	20.	0.03
MILE	55.00	794.76	4926.	0.73	6764.	470.	6.61	0.0200	70.	21.	0.03
MILE	53.10	794.75	4991.	0.53	9375.	579.	6.13	0.0200	72.	21.	0.02
MILE	51.00	794.74	4985.	0.50	10015.	941.	6.21	0.0200	86.	25.	0.03
MILE	48.30	794.73	4737.	0.34	13851.	1661.	4.90	0.0200	86.	26.	0.02

MILE	46.20	794.72	4666.	0.29	16182.	1859.	6.85	0.0200	76.	33.	0.02
MILE	44.10	794.72	4454.	0.16	28474.	1544.	8.16	0.0300	45.	40.	0.01
MILE	43.70	794.72	4428.	0.30	14684.	1397.	8.19	0.0300	38.	42.	0.02
MILE	42.00	794.71	4377.	0.22	19619.	1363.	6.16	0.0300	83.	45.	0.01
MILE	39.10	794.69	4580.	0.25	18652.	1385.	7.92	0.0230	90.	44.	0.01
MILE	37.00	794.68	4892.	0.15	32912.	1146.	7.42	0.0280	56.	43.	0.00
MILE	36.00	794.67	5059.	0.25	20252.	922.	8.40	0.0280	43.	46.	0.01
MILE	34.60	794.66	5321.	0.17	30648.	1254.	9.72	0.0280	43.	46.	0.01
MILE	33.60	794.66	5507.	0.09	63690.	2189.	8.24	0.0290	56.	52.	0.00
MILE	31.50	794.66	5849.	0.19	31051.	1796.	10.46	0.0250	63.	56.	0.01
MILE	30.10	794.65	6181.	0.19	32744.	903.	10.03	0.0200	45.	54.	0.01
MILE	29.00	794.64	6375.	0.18	36392.	1077.	10.88	0.0200	-50.	55.	0.01
MILE	27.30	794.63	6643.	0.18	37725.	1077.	11.27	0.0230	68.	58.	0.01
MILE	25.20	794.63	6902.	0.15	46658.	1075.	12.09	0.0230	76.	60.	0.00
MILE	23.10	794.61	7274.	0.19	38410.	1106.	11.52	0.0230	76.	65.	0.01

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TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.86	6725.	4.03	1670.	333.	3.22	0.0290	76.	7.	0.32
MILE	77.70	821.31	6814.	2.90	2352.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.44	6909.	3.01	2293.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.33	6991.	3.03	2309.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.18	7057.	2.36	2985.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.52	7107.	2.76	2573.	354.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.59	7131.	2.58	2766.	411.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.61	7088.	2.36	3004.	426.	3.86	0.0320	76.	10.	0.16
MILE	63.00	795.87	7031.	1.72	4091.	397.	4.98	0.0400	76.	15.	0.09
MILE	60.90	795.19	6991.	1.40	5005.	375.	5.99	0.0450	76.	19.	0.07
MILE	58.80	794.84	4990.	0.82	6059.	364.	6.24	0.0400	-1930.	22.	0.04
MILE	57.00	794.82	5018.	0.75	6718.	407.	6.19	0.0200	68.	20.	0.03
MILE	55.00	794.79	5056.	0.75	6776.	471.	6.61	0.0200	70.	21.	0.03
MILE	53.10	794.77	5112.	0.54	9391.	580.	6.14	0.0200	72.	21.	0.02
MILE	51.00	794.75	5248.	0.52	10023.	941.	6.22	0.0200	86.	25.	0.03
MILE	48.30	794.72	5767.	0.42	13835.	1660.	4.90	0.0200	86.	26.	0.03
MILE	46.20	794.70	6215.	0.38	16165.	1857.	6.85	0.0200	76.	33.	0.02
MILE	44.10	794.69	6698.	0.24	28434.	1542.	8.16	0.0300	45.	39.	0.01
MILE	43.70	794.68	6779.	0.46	14664.	1395.	8.19	0.0300	38.	42.	0.03
MILE	42.00	794.66	7122.	0.36	19548.	1360.	6.16	0.0300	83.	45.	0.02
MILE	39.10	794.63	7595.	0.41	18598.	1382.	7.91	0.0230	90.	44.	0.02
MILE	37.00	794.62	7588.	0.23	32824.	1144.	7.41	0.0280	56.	43.	0.01
MILE	36.00	794.62	7687.	0.38	20208.	920.	8.40	0.0280	43.	46.	0.01
MILE	34.60	794.61	7926.	0.26	30594.	1252.	9.71	0.0280	43.	46.	0.01
MILE	33.60	794.61	8034.	0.13	63548.	2185.	8.22	0.0290	56.	52.	0.00
MILE	31.50	794.61	8051.	0.26	31006.	1793.	10.46	0.0250	63.	56.	0.01
MILE	30.10	794.60	8304.	0.25	32694.	902.	10.02	0.0200	45.	54.	0.01

MILE	29.00	794.59	8423.	0.23	36347.	1075.	10.87	0.0200	50.	55.	0.01
MILE	27.30	794.59	8488.	0.23	37685.	1075.	11.26	0.0230	68.	57.	0.01
MILE	25.20	794.59	8486.	0.18	46621.	1073.	12.08	0.0230	76.	60.	0.00
MILE	23.10	794.59	8702.	0.23	38391.	1105.	11.52	0.0230	76.	65.	0.01

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TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.84	6716.	4.03	1665.	333.	3.22	0.0290	76.	7.	0.32
MILE	77.70	821.29	6798.	2.90	2348.	315.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.43	6886.	3.01	2290.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.32	6970.	3.02	2308.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.18	7046.	2.36	2986.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.53	7116.	2.76	2578.	354.	3.22	0.0340	76.	7.	0.18
MILE	67.20	800.62	7175.	2.58	2785.	412.	3.02	0.0340	76.	10.	0.17
MILE	65.10	796.70	7190.	2.37	3037.	430.	3.88	0.0320	76.	10.	0.16
MILE	63.00	795.93	7209.	1.75	4113.	400.	5.00	0.0400	76.	15.	0.10
MILE	60.90	795.18	7335.	1.47	5004.	375.	5.99	0.0450	76.	19.	0.07
MILE	58.80	794.78	5559.	0.92	6034.	363.	6.23	0.0400	-1930.	22.	0.04
MILE	57.00	794.74	5749.	0.86	6686.	406.	6.18	0.0200	68.	20.	0.04
MILE	55.00	794.71	5967.	0.88	6743.	469.	6.60	0.0200	70.	21.	0.04
MILE	53.10	794.68	6194.	0.66	9335.	578.	6.12	0.0200	72.	21.	0.03
MILE	51.00	794.66	6494.	0.65	9976.	938.	6.20	0.0200	86.	25.	0.04
MILE	48.30	794.64	6848.	0.50	13745.	1656.	4.90	0.0200	86.	26.	0.03
MILE	46.20	794.63	7198.	0.45	16102.	1853.	6.84	0.0200	76.	33.	0.03
MILE	44.10	794.63	7571.	0.27	28364.	1539.	8.15	0.0300	45.	39.	0.01
MILE	43.70	794.62	7628.	0.52	14633.	1392.	8.19	0.0300	38.	42.	0.03
MILE	42.00	794.61	7835.	0.40	19493.	1358.	6.16	0.0300	83.	45.	0.02
MILE	39.10	794.60	8089.	0.44	18573.	1380.	7.91	0.0230	90.	44.	0.02
MILE	37.00	794.59	8282.	0.25	32777.	1142.	7.40	0.0280	56.	43.	0.01
MILE	36.00	794.59	8405.	0.42	20186.	919.	8.39	0.0280	43.	46.	0.02
MILE	34.60	794.59	8611.	0.28	30573.	1251.	9.71	0.0280	43.	46.	0.01
MILE	33.60	794.59	8732.	0.14	63497.	2184.	8.22	0.0290	56.	52.	0.00
MILE	31.50	794.59	8855.	0.29	30987.	1792.	10.45	0.0250	63.	56.	0.01
MILE	30.10	794.59	8994.	0.28	32682.	901.	10.01	0.0200	45.	54.	0.01
MILE	29.00	794.59	9084.	0.25	36340.	1075.	10.87	0.0200	50.	55.	0.01
MILE	27.30	794.58	9186.	0.24	37677.	1075.	11.26	0.0230	68.	57.	0.01
MILE	25.20	794.58	9169.	0.20	46608.	1073.	12.08	0.0230	76.	60.	0.01
MILE	23.10	794.58	9306.	0.24	38382.	1104.	11.52	0.0230	76.	65.	0.01

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.86	6739.	4.04	1669.	333.	3.22	0.0290	76.	7.	0.32
MILE	77.70	821.30	6811.	2.90	2350.	315.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.42	6878.	3.01	2288.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.31	6950.	3.02	2305.	234.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.17	7024.	2.36	2981.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.52	7097.	2.76	2575.	354.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.63	7168.	2.57	2787.	412.	3.02	0.0340	76.	10.	0.17
MILE	65.10	796.69	7243.	2.39	3035.	430.	3.88	0.0320	76.	10.	0.16
MILE	63.00	795.89	7372.	1.80	4099.	398.	4.99	0.0400	76.	15.	0.10
MILE	60.90	795.10	7512.	1.51	4975.	371.	5.97	0.0450	76.	19.	0.07
MILE	58.80	794.69	5634.	0.94	5999.	362.	6.22	0.0400	-1930.	22.	0.04
MILE	57.00	794.66	5752.	0.87	6648.	405.	6.16	0.0200	68.	20.	0.04
MILE	55.00	794.63	5901.	0.88	6713.	468.	6.59	0.0200	70.	21.	0.04
MILE	53.10	794.61	6042.	0.65	9293.	577.	6.11	0.0200	72.	21.	0.03
MILE	51.00	794.60	6205.	0.62	9946.	937.	6.20	0.0200	86.	25.	0.03
MILE	48.30	794.59	6519.	0.48	13683.	1653.	4.90	0.0200	86.	26.	0.03
MILE	46.20	794.58	6944.	0.43	16060.	1850.	6.83	0.0200	76.	33.	0.03
MILE	44.10	794.58	7225.	0.26	28311.	1537.	8.14	0.0300	45.	39.	0.01
MILE	43.70	794.58	7272.	0.50	14610.	1390.	8.19	0.0300	38.	42.	0.03
MILE	42.00	794.57	7475.	0.38	19441.	1356.	6.16	0.0300	83.	45.	0.02
MILE	39.10	794.56	7920.	0.43	18539.	1378.	7.91	0.0230	90.	44.	0.02
MILE	37.00	794.55	8292.	0.25	32703.	1141.	7.39	0.0280	56.	43.	0.01
MILE	36.00	794.55	8389.	0.42	20150.	918.	8.39	0.0280	43.	46.	0.02
MILE	34.60	794.55	8475.	0.28	30532.	1249.	9.70	0.0280	43.	46.	0.01
MILE	33.60	794.55	8620.	0.14	63385.	2181.	8.21	0.0290	56.	52.	0.00
MILE	31.50	794.54	9082.	0.29	30945.	1789.	10.45	0.0250	63.	56.	0.01
MILE	30.10	794.54	9162.	0.28	32638.	900.	10.01	0.0200	45.	54.	0.01
MILE	29.00	794.55	9238.	0.25	36301.	1074.	10.87	0.0200	50.	55.	0.01
MILE	27.30	794.54	9464.	0.25	37639.	1074.	11.25	0.0230	68.	57.	0.01
MILE	25.20	794.54	9863.	0.21	46560.	1071.	12.08	0.0230	76.	60.	0.01
MILE	23.10	794.54	10008.	0.26	38344.	1103.	11.51	0.0230	76.	65.	0.01

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.86	6733.	4.03	1670.	333.	3.22	0.0290	76.	7.	0.32
MILE	77.70	821.30	6804.	2.90	2349.	315.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.42	6874.	3.01	2287.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.30	6942.	3.01	2302.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.16	7010.	2.36	2977.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.51	7080.	2.75	2570.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.62	7157.	2.57	2782.	411.	3.02	0.0340	76.	10.	0.17
MILE	65.10	796.66	7248.	2.40	3024.	429.	3.87	0.0320	76.	10.	0.16

MILE	63.00	795.86	7359.	1.80	4088.	396.	4.98	0.0400	76.	15.	0.10
MILE	60.90	795.07	7468.	1.50	4965.	370.	5.97	0.0450	76.	19.	0.07
MILE	58.80	794.66	5591.	0.93	5988.	362.	6.22	0.0400	-1930.	22.	0.04
MILE	57.00	794.63	5689.	0.86	6636.	405.	6.15	0.0200	68.	20.	0.04
MILE	55.00	794.60	5792.	0.86	6702.	468.	6.59	0.0200	70.	21.	0.04
MILE	53.10	794.58	5905.	0.64	9273.	576.	6.10	0.0200	72.	21.	0.03
MILE	51.00	794.56	6094.	0.61	9925.	935.	6.19	0.0200	86.	25.	0.03
MILE	48.30	794.54	6516.	0.48	13625.	1651.	4.90	0.0200	86.	26.	0.03
MILE	46.20	794.53	6759.	0.42	16016.	1847.	6.82	0.0200	76.	33.	0.03
MILE	44.10	794.53	7090.	0.25	28248.	1534.	8.13	0.0300	45.	39.	0.01
MILE	43.70	794.53	7146.	0.49	14581.	1388.	8.20	0.0300	38.	42.	0.03
MILE	42.00	794.52	7366.	0.38	19372.	1354.	6.16	0.0300	83.	45.	0.02
MILE	39.10	794.51	7517.	0.41	18501.	1376.	7.90	0.0230	90.	44.	0.02
MILE	37.00	794.52	7557.	0.23	32655.	1140.	7.38	0.0280	56.	43.	0.01
MILE	36.00	794.52	7502.	0.37	20128.	917.	8.39	0.0280	43.	46.	0.01
MILE	34.60	794.52	7378.	0.24	30507.	1248.	9.70	0.0280	43.	46.	0.01
MILE	33.60	794.52	7388.	0.12	63323.	2179.	8.21	0.0290	56.	52.	0.00
MILE	31.50	794.52	7658.	0.25	30932.	1788.	10.44	0.0250	63.	56.	0.01
MILE	30.10	794.53	7546.	0.23	32623.	899.	10.00	0.0200	45.	54.	0.01
MILE	29.00	794.53	7507.	0.21	36288.	1073.	10.86	0.0200	50.	55.	0.01
MILE	27.30	794.54	7539.	0.20	37630.	1073.	11.25	0.0230	68.	57.	0.01
MILE	25.20	794.54	7661.	0.16	46559.	1071.	12.08	0.0230	76.	60.	0.00
MILE	23.10	794.55	7635.	0.20	38353.	1103.	11.51	0.0230	76.	65.	0.01

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.86	6709.	4.02	1670.	333.	3.22	0.0290	76.	7.	0.32
MILE	77.70	821.28	6781.	2.89	2345.	315.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.41	6856.	3.00	2284.	280.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.29	6931.	3.01	2300.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.15	7005.	2.36	2974.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.51	7079.	2.76	2569.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.61	7155.	2.57	2780.	411.	3.02	0.0340	76.	10.	0.17
MILE	65.10	796.64	7241.	2.40	3016.	428.	3.87	0.0320	76.	10.	0.16
MILE	63.00	795.83	7355.	1.80	4077.	395.	4.97	0.0400	76.	15.	0.10
MILE	60.90	795.03	7491.	1.51	4951.	368.	5.96	0.0450	76.	19.	0.07
MILE	58.80	794.61	5623.	0.94	5971.	361.	6.21	0.0400	-1930.	22.	0.04
MILE	57.00	794.58	5722.	0.86	6617.	404.	6.14	0.0200	68.	20.	0.04
MILE	55.00	794.56	5836.	0.87	6686.	467.	6.58	0.0200	70.	21.	0.04
MILE	53.10	794.54	5940.	0.64	9249.	575.	6.10	0.0200	72.	21.	0.03
MILE	51.00	794.53	6023.	0.61	9910.	934.	6.19	0.0200	86.	25.	0.03
MILE	48.30	794.53	5937.	0.44	13613.	1650.	4.90	0.0200	86.	26.	0.03
MILE	46.20	794.53	5927.	0.37	16012.	1847.	6.82	0.0200	76.	33.	0.02
MILE	44.10	794.53	5887.	0.21	28251.	1534.	8.13	0.0300	45.	39.	0.01
MILE	43.70	794.53	5880.	0.40	14583.	1388.	8.20	0.0300	38.	42.	0.02

MILE	42.00	794.53	5834.	0.30	19391.	1355.	6.16	0.0300	83.	45.	0.01
MILE	39.10	794.53	5846.	0.32	18519.	1377.	7.91	0.0230	90.	44.	0.02
MILE	37.00	794.53	6127.	0.19	32669.	1140.	7.38	0.0280	56.	43.	0.01
MILE	36.00	794.53	6218.	0.31	20134.	917.	8.39	0.0280	43.	46.	0.01
MILE	34.60	794.53	6298.	0.21	30510.	1248.	9.70	0.0280	43.	46.	0.01
MILE	33.60	794.53	6367.	0.10	63331.	2180.	8.21	0.0290	56.	52.	0.00
MILE	31.50	794.53	6559.	0.21	30934.	1789.	10.44	0.0250	63.	56.	0.01
MILE	30.10	794.53	6665.	0.20	32619.	899.	10.00	0.0200	45.	54.	0.01
MILE	29.00	794.53	6730.	0.19	36279.	1073.	10.86	0.0200	50.	55.	0.01
MILE	27.30	794.53	6840.	0.18	37621.	1073.	11.25	0.0230	68.	57.	0.01
MILE	25.20	794.53	7047.	0.15	46548.	1071.	12.07	0.0230	76.	60.	0.00
MILE	23.10	794.52	7253.	0.19	38325.	1102.	11.51	0.0230	76.	65.	0.01

0DATE 5-16-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.89	6744.	4.02	1679.	333.	3.23	0.0290	76.	7.	0.32
MILE	77.70	821.30	6811.	2.90	2351.	316.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.41	6868.	3.01	2284.	280.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.29	6931.	3.01	2299.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.15	7001.	2.36	2973.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.51	7075.	2.76	2568.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.61	7153.	2.58	2777.	411.	3.01	0.0340	76.	10.	0.17
MILE	65.10	796.62	7241.	2.41	3007.	427.	3.86	0.0320	76.	10.	0.16
MILE	63.00	795.81	7332.	1.80	4070.	394.	4.97	0.0400	76.	15.	0.10
MILE	60.90	795.03	7377.	1.49	4951.	368.	5.96	0.0450	76.	19.	0.07
MILE	58.80	794.64	5378.	0.90	5981.	362.	6.22	0.0400	-1930.	22.	0.04
MILE	57.00	794.61	5389.	0.81	6630.	405.	6.15	0.0200	68.	20.	0.04
MILE	55.00	794.59	5402.	0.81	6699.	468.	6.58	0.0200	70.	21.	0.04
MILE	53.10	794.58	5404.	0.58	9272.	576.	6.10	0.0200	72.	21.	0.03
MILE	51.00	794.57	5401.	0.54	9927.	935.	6.19	0.0200	86.	25.	0.03
MILE	48.30	794.55	5541.	0.41	13634.	1651.	4.90	0.0200	86.	26.	0.02
MILE	46.20	794.54	5657.	0.35	16022.	1848.	6.82	0.0200	76.	33.	0.02
MILE	44.10	794.54	5742.	0.20	28254.	1534.	8.13	0.0300	45.	39.	0.01
MILE	43.70	794.53	5763.	0.40	14584.	1388.	8.20	0.0300	38.	42.	0.02
MILE	42.00	794.52	5892.	0.30	19379.	1354.	6.16	0.0300	83.	45.	0.01
MILE	39.10	794.51	6198.	0.34	18499.	1376.	7.90	0.0230	90.	44.	0.02
MILE	37.00	794.51	6145.	0.19	32638.	1139.	7.38	0.0280	56.	43.	0.01
MILE	36.00	794.50	6207.	0.31	20116.	917.	8.39	0.0280	43.	46.	0.01
MILE	34.60	794.50	6380.	0.21	30485.	1247.	9.69	0.0280	43.	46.	0.01
MILE	33.60	794.50	6461.	0.10	63262.	2178.	8.20	0.0290	56.	52.	0.00
MILE	31.50	794.50	6488.	0.21	30913.	1787.	10.44	0.0250	63.	56.	0.01
MILE	30.10	794.50	6699.	0.21	32589.	898.	10.00	0.0200	45.	54.	0.01
MILE	29.00	794.49	6813.	0.19	36248.	1072.	10.86	0.0200	50.	55.	0.01
MILE	27.30	794.50	6913.	0.18	37591.	1072.	11.25	0.0230	68.	57.	0.01
MILE	25.20	794.50	6947.	0.15	46519.	1070.	12.07	0.0230	76.	60.	0.00

MILE	23.10	794.50	7155.	0.19	38306.	1102.	11.50	0.0230	76.	65.	0.01

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TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.23	5661.	3.81	1484.	324.	3.00	0.0290	76.	7.	0.31
MILE	77.70	820.78	5873.	2.70	2174.	300.	3.50	0.0400	76.	10.	0.18
MILE	75.60	815.17	6354.	2.87	2213.	274.	3.97	0.0400	76.	9.	0.18
MILE	73.50	811.21	6718.	2.95	2276.	232.	3.98	0.0330	76.	12.	0.17
MILE	71.40	809.12	6930.	2.34	2963.	295.	3.74	0.0400	76.	11.	0.13
MILE	69.30	805.50	7065.	2.75	2567.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.61	7156.	2.58	2778.	411.	3.01	0.0340	76.	10.	0.17
MILE	65.10	796.63	7230.	2.40	3011.	427.	3.86	0.0320	76.	10.	0.16
MILE	63.00	795.83	7281.	1.79	4077.	395.	4.98	0.0400	76.	15.	0.10
MILE	60.90	795.06	7353.	1.48	4961.	369.	5.96	0.0450	76.	19.	0.07
MILE	58.80	794.66	5462.	0.91	5988.	362.	6.22	0.0400	-1930.	22.	0.04
MILE	57.00	794.63	5544.	0.84	6636.	405.	6.15	0.0200	68.	20.	0.04
MILE	55.00	794.60	5627.	0.84	6702.	468.	6.59	0.0200	70.	21.	0.04
MILE	53.10	794.58	5724.	0.62	9271.	576.	6.10	0.0200	72.	21.	0.03
MILE	51.00	794.56	5862.	0.59	9923.	935.	6.19	0.0200	86.	25.	0.03
MILE	48.30	794.54	6006.	0.44	13625.	1651.	4.90	0.0200	86.	26.	0.03
MILE	46.20	794.53	6036.	0.38	16015.	1847.	6.82	0.0200	76.	33.	0.02
MILE	44.10	794.53	6203.	0.22	28245.	1534.	8.13	0.0300	45.	39.	0.01
MILE	43.70	794.53	6229.	0.43	14579.	1388.	8.20	0.0300	38.	42.	0.02
MILE	42.00	794.52	6314.	0.33	19369.	1354.	6.16	0.0300	83.	45.	0.02
MILE	39.10	794.50	6427.	0.35	18494.	1376.	7.90	0.0230	90.	44.	0.02
MILE	37.00	794.50	6553.	0.20	32621.	1139.	7.38	0.0280	56.	43.	0.01
MILE	36.00	794.49	6682.	0.33	20107.	916.	8.38	0.0280	43.	45.	0.01
MILE	34.60	794.49	6920.	0.23	30473.	1247.	9.69	0.0280	43.	46.	0.01
MILE	33.60	794.49	7031.	0.11	63227.	2177.	8.20	0.0290	56.	52.	0.00
MILE	31.50	794.49	7075.	0.23	30897.	1786.	10.44	0.0250	63.	56.	0.01
MILE	30.10	794.48	7308.	0.22	32574.	898.	10.00	0.0200	45.	54.	0.01
MILE	29.00	794.48	7434.	0.21	36234.	1071.	10.86	0.0200	50.	55.	0.01
MILE	27.30	794.48	7541.	0.20	37572.	1071.	11.24	0.0230	68.	57.	0.01
MILE	25.20	794.48	7544.	0.16	46492.	1069.	12.07	0.0230	76.	60.	0.00
MILE	23.10	794.47	7763.	0.20	38277.	1100.	11.50	0.0230	76.	64.	0.01

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TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.16	5502.	3.76	1464.	323.	2.98	0.0290	76.	6.	0.31

MILE	77.70	820.53	5624.	2.69	2090.	292.	3.41	0.0400	76.	10.	0.18
MILE	75.60	814.77	5868.	2.79	2100.	264.	3.85	0.0400	76.	8.	0.17
MILE	73.50	810.91	6200.	2.83	2188.	226.	3.91	0.0330	76.	12.	0.16
MILE	71.40	808.92	6506.	2.26	2878.	291.	3.68	0.0400	76.	11.	0.13
MILE	69.30	805.40	6791.	2.70	2519.	352.	3.17	0.0340	76.	7.	0.18
MILE	67.20	800.57	7024.	2.55	2755.	410.	3.00	0.0340	76.	10.	0.17
MILE	65.10	796.62	7186.	2.39	3007.	427.	3.86	0.0320	76.	10.	0.16
MILE	63.00	795.82	7305.	1.79	4073.	394.	4.97	0.0400	76.	15.	0.10
MILE	60.90	795.03	7412.	1.50	4953.	368.	5.96	0.0450	76.	19.	0.07
MILE	58.80	794.63	5496.	0.92	5978.	361.	6.21	0.0400	-1930.	22.	0.04
MILE	57.00	794.60	5577.	0.84	6625.	405.	6.15	0.0200	68.	20.	0.04
MILE	55.00	794.57	5687.	0.85	6692.	467.	6.58	0.0200	70.	21.	0.04
MILE	53.10	794.56	5795.	0.63	9258.	575.	6.10	0.0200	72.	21.	0.03
MILE	51.00	794.54	5916.	0.60	9915.	935.	6.19	0.0200	86.	25.	0.03
MILE	48.30	794.52	6140.	0.45	13605.	1650.	4.90	0.0200	86.	26.	0.03
MILE	46.20	794.51	6513.	0.41	15996.	1846.	6.82	0.0200	76.	33.	0.02
MILE	44.10	794.51	6736.	0.24	28220.	1533.	8.13	0.0300	45.	39.	0.01
MILE	43.70	794.50	6775.	0.47	14568.	1387.	8.20	0.0300	38.	42.	0.03
MILE	42.00	794.49	6960.	0.36	19339.	1353.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.46	7471.	0.40	18463.	1374.	7.90	0.0230	90.	43.	0.02
MILE	37.00	794.45	7826.	0.24	32548.	1137.	7.37	0.0280	56.	43.	0.01
MILE	36.00	794.45	7961.	0.40	20069.	915.	8.38	0.0280	43.	45.	0.01
MILE	34.60	794.44	8154.	0.27	30428.	1245.	9.69	0.0280	43.	46.	0.01
MILE	33.60	794.44	8354.	0.13	63103.	2173.	8.19	0.0290	56.	52.	0.00
MILE	31.50	794.43	8846.	0.29	30848.	1783.	10.43	0.0250	63.	56.	0.01
MILE	30.10	794.43	9044.	0.28	32518.	896.	9.99	0.0200	45.	54.	0.01
MILE	29.00	794.43	9189.	0.25	36183.	1069.	10.85	0.0200	50.	55.	0.01
MILE	27.30	794.42	9477.	0.25	37520.	1069.	11.24	0.0230	68.	57.	0.01
MILE	25.20	794.41	9825.	0.21	46424.	1067.	12.06	0.0230	76.	60.	0.01
MILE	23.10	794.41	10071.	0.26	38220.	1098.	11.49	0.0230	76.	64.	0.01

0DATE 5-16-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.88	6678.	3.98	1677.	333.	3.23	0.0290	76.	7.	0.31
MILE	77.70	821.07	6630.	2.92	2274.	309.	3.60	0.0400	76.	10.	0.19
MILE	75.60	814.87	6275.	2.95	2126.	267.	3.88	0.0400	76.	8.	0.18
MILE	73.50	810.76	6137.	2.86	2144.	223.	3.87	0.0330	76.	12.	0.16
MILE	71.40	808.72	6209.	2.22	2795.	288.	3.61	0.0400	76.	11.	0.13
MILE	69.30	805.21	6394.	2.63	2433.	350.	3.11	0.0340	76.	7.	0.18
MILE	67.20	800.42	6660.	2.49	2674.	405.	2.95	0.0340	76.	10.	0.17
MILE	65.10	796.54	6952.	2.34	2974.	423.	3.83	0.0320	76.	10.	0.16
MILE	63.00	795.76	7168.	1.77	4053.	392.	4.96	0.0400	76.	15.	0.10
MILE	60.90	794.99	7335.	1.49	4939.	367.	5.95	0.0450	76.	18.	0.07
MILE	58.80	794.59	5501.	0.92	5963.	361.	6.21	0.0400	-1930.	22.	0.04
MILE	57.00	794.56	5636.	0.85	6607.	404.	6.14	0.0200	68.	20.	0.04

MILE	55.00	794.53	5784.	0.87	6676.	467.	6.58	0.0200	70.	21.	0.04
MILE	53.10	794.51	5945.	0.64	9230.	575.	6.09	0.0200	72.	21.	0.03
MILE	51.00	794.49	6208.	0.63	9887.	933.	6.18	0.0200	86.	25.	0.03
MILE	48.30	794.46	6798.	0.50	13530.	1646.	4.90	0.0200	86.	26.	0.03
MILE	46.20	794.45	7250.	0.45	15938.	1842.	6.81	0.0200	76.	33.	0.03
MILE	44.10	794.44	7784.	0.28	28138.	1529.	8.12	0.0300	45.	39.	0.01
MILE	43.70	794.43	7870.	0.54	14530.	1383.	8.20	0.0300	38.	41.	0.03
MILE	42.00	794.42	8210.	0.43	19244.	1349.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.39	8641.	0.47	18403.	1371.	7.89	0.0230	90.	43.	0.02
MILE	37.00	794.39	8924.	0.28	32449.	1135.	7.35	0.0280	56.	43.	0.01
MILE	36.00	794.39	8970.	0.45	20021.	913.	8.37	0.0280	43.	45.	0.02
MILE	34.60	794.39	8991.	0.30	30370.	1242.	9.68	0.0280	43.	46.	0.01
MILE	33.60	794.38	9123.	0.14	62948.	2169.	8.18	0.0290	56.	51.	0.00
MILE	31.50	794.38	9646.	0.31	30800.	1780.	10.42	0.0250	63.	56.	0.01
MILE	30.10	794.38	9666.	0.30	32468.	895.	9.98	0.0200	45.	54.	0.01
MILE	29.00	794.38	9707.	0.27	36137.	1068.	10.84	0.0200	50.	55.	0.01
MILE	27.30	794.38	9879.	0.26	37475.	1068.	11.23	0.0230	68.	57.	0.01
MILE	25.20	794.37	10182.	0.22	46380.	1065.	12.05	0.0230	76.	60.	0.01
MILE	23.10	794.38	10283.	0.27	38191.	1097.	11.49	0.0230	76.	64.	0.01

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TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.89	6722.	4.00	1679.	333.	3.23	0.0290	76.	7.	0.31
MILE	77.70	821.24	6761.	2.90	2331.	314.	3.65	0.0400	76.	11.	0.19
MILE	75.60	815.21	6722.	3.02	2226.	275.	3.98	0.0400	76.	9.	0.19
MILE	73.50	810.98	6589.	2.98	2208.	228.	3.92	0.0330	76.	12.	0.17
MILE	71.40	808.81	6482.	2.29	2834.	289.	3.64	0.0400	76.	11.	0.13
MILE	69.30	805.18	6414.	2.65	2417.	349.	3.09	0.0340	76.	6.	0.18
MILE	67.20	800.30	6454.	2.48	2607.	402.	2.90	0.0340	76.	10.	0.17
MILE	65.10	796.39	6672.	2.29	2914.	416.	3.79	0.0320	76.	9.	0.15
MILE	63.00	795.63	6950.	1.74	4005.	385.	4.93	0.0400	76.	15.	0.09
MILE	60.90	794.88	7218.	1.47	4900.	366.	5.92	0.0450	76.	18.	0.07
MILE	58.80	794.48	5457.	0.92	5920.	360.	6.19	0.0400	-1930.	21.	0.04
MILE	57.00	794.45	5639.	0.86	6560.	402.	6.11	0.0200	68.	20.	0.04
MILE	55.00	794.42	5855.	0.88	6635.	465.	6.56	0.0200	70.	21.	0.04
MILE	53.10	794.41	6076.	0.66	9167.	573.	6.07	0.0200	72.	21.	0.03
MILE	51.00	794.39	6362.	0.65	9839.	930.	6.17	0.0200	86.	25.	0.04
MILE	48.30	794.38	6759.	0.50	13440.	1642.	4.90	0.0200	86.	25.	0.03
MILE	46.20	794.38	7210.	0.45	15874.	1837.	6.80	0.0200	76.	33.	0.03
MILE	44.10	794.38	7602.	0.27	28062.	1526.	8.10	0.0300	45.	39.	0.01
MILE	43.70	794.37	7667.	0.53	14497.	1381.	8.21	0.0300	38.	41.	0.03
MILE	42.00	794.36	7942.	0.41	19176.	1347.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.33	8601.	0.47	18356.	1368.	7.89	0.0230	90.	43.	0.02
MILE	37.00	794.32	9353.	0.29	32334.	1132.	7.34	0.0280	56.	43.	0.01
MILE	36.00	794.31	9583.	0.48	19960.	911.	8.37	0.0280	43.	45.	0.02

MILE	34.60	794.31	9839.	0.32	30291.	1239.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.30	10175.	0.16	62735.	2163.	8.17	0.0290	56.	51.	0.01
MILE	31.50	794.30	11164.	0.36	30724.	1775.	10.41	0.0250	63.	55.	0.02
MILE	30.10	794.29	11501.	0.36	32371.	892.	9.96	0.0200	45.	53.	0.01
MILE	29.00	794.29	11726.	0.33	36040.	1064.	10.82	0.0200	50.	55.	0.01
MILE	27.30	794.28	12180.	0.33	37379.	1064.	11.21	0.0230	68.	57.	0.01
MILE	25.20	794.27	12777.	0.28	46268.	1062.	12.04	0.0230	76.	60.	0.01
MILE	23.10	794.26	13219.	0.35	38078.	1093.	11.47	0.0230	76.	64.	0.01

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TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6741.	4.00	1684.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.29	6803.	2.90	2347.	315.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.35	6836.	3.02	2266.	279.	4.02	0.0400	76.	9.	0.19
MILE	73.50	811.16	6820.	3.02	2261.	231.	3.97	0.0330	76.	12.	0.17
MILE	71.40	808.98	6783.	2.33	2906.	293.	3.70	0.0400	76.	11.	0.13
MILE	69.30	805.31	6727.	2.71	2479.	351.	3.14	0.0340	76.	7.	0.18
MILE	67.20	800.34	6655.	2.53	2632.	403.	2.92	0.0340	76.	10.	0.17
MILE	65.10	796.28	6666.	2.32	2870.	411.	3.75	0.0320	76.	9.	0.15
MILE	63.00	795.51	6836.	1.73	3960.	379.	4.90	0.0400	76.	15.	0.09
MILE	60.90	794.77	7005.	1.44	4864.	364.	5.90	0.0450	76.	18.	0.07
MILE	58.80	794.40	5142.	0.87	5890.	359.	6.18	0.0400	-1930.	21.	0.04
MILE	57.00	794.37	5264.	0.81	6526.	401.	6.10	0.0200	68.	20.	0.04
MILE	55.00	794.35	5423.	0.82	6607.	464.	6.55	0.0200	70.	21.	0.04
MILE	53.10	794.33	5615.	0.62	9120.	571.	6.06	0.0200	72.	21.	0.03
MILE	51.00	794.31	5948.	0.61	9796.	927.	6.16	0.0200	86.	25.	0.03
MILE	48.30	794.28	6834.	0.51	13322.	1636.	4.90	0.0200	86.	25.	0.03
MILE	46.20	794.26	7724.	0.49	15776.	1830.	6.78	0.0200	76.	32.	0.03
MILE	44.10	794.26	8539.	0.31	27918.	1520.	8.08	0.0300	45.	39.	0.01
MILE	43.70	794.25	8667.	0.60	14432.	1375.	8.21	0.0300	38.	41.	0.03
MILE	42.00	794.23	9161.	0.48	19013.	1341.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.21	9707.	0.53	18251.	1362.	7.88	0.0230	90.	43.	0.03
MILE	37.00	794.22	9633.	0.30	32173.	1128.	7.31	0.0280	56.	43.	0.01
MILE	36.00	794.22	9645.	0.49	19885.	908.	8.36	0.0280	43.	45.	0.02
MILE	34.60	794.22	9704.	0.32	30207.	1235.	9.66	0.0280	43.	46.	0.01
MILE	33.60	794.22	9721.	0.16	62521.	2158.	8.15	0.0290	56.	51.	0.01
MILE	31.50	794.23	9710.	0.32	30667.	1771.	10.40	0.0250	63.	55.	0.01
MILE	30.10	794.23	9811.	0.30	32312.	890.	9.95	0.0200	45.	53.	0.01
MILE	29.00	794.24	9826.	0.27	35989.	1062.	10.82	0.0200	50.	55.	0.01
MILE	27.30	794.24	9737.	0.26	37343.	1063.	11.21	0.0230	68.	57.	0.01
MILE	25.20	794.26	9665.	0.21	46255.	1061.	12.04	0.0230	76.	60.	0.01
MILE	23.10	794.27	9756.	0.26	38087.	1093.	11.47	0.0230	76.	64.	0.01

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TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.90	6725.	4.00	1682.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.30	6799.	2.89	2349.	315.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.40	6869.	3.01	2281.	280.	4.03	0.0400	76.	9.	0.19
MILE	73.50	811.25	6914.	3.02	2288.	233.	3.99	0.0330	76.	12.	0.17
MILE	71.40	809.09	6942.	2.35	2950.	295.	3.73	0.0400	76.	11.	0.13
MILE	69.30	805.43	6950.	2.75	2532.	352.	3.18	0.0340	76.	7.	0.18
MILE	67.20	800.46	6922.	2.57	2693.	407.	2.96	0.0340	76.	10.	0.18
MILE	65.10	796.29	6861.	2.39	2874.	411.	3.76	0.0320	76.	9.	0.16
MILE	63.00	795.47	6921.	1.75	3948.	377.	4.90	0.0400	76.	14.	0.10
MILE	60.90	794.69	7097.	1.47	4838.	363.	5.88	0.0450	76.	18.	0.07
MILE	58.80	794.28	5356.	0.92	5846.	357.	6.17	0.0400	-1930.	21.	0.04
MILE	57.00	794.25	5568.	0.86	6472.	400.	6.07	0.0200	68.	19.	0.04
MILE	55.00	794.22	5800.	0.88	6557.	462.	6.53	0.0200	70.	21.	0.04
MILE	53.10	794.20	6016.	0.67	9040.	568.	6.03	0.0200	72.	21.	0.03
MILE	51.00	794.19	6250.	0.64	9734.	924.	6.14	0.0200	86.	25.	0.03
MILE	48.30	794.19	6353.	0.48	13220.	1631.	4.91	0.0200	86.	25.	0.03
MILE	46.20	794.20	6392.	0.41	15716.	1826.	6.77	0.0200	76.	32.	0.02
MILE	44.10	794.21	6514.	0.23	27858.	1517.	8.08	0.0300	45.	39.	0.01
MILE	43.70	794.21	6533.	0.45	14408.	1373.	8.22	0.0300	38.	41.	0.02
MILE	42.00	794.21	6594.	0.35	18988.	1340.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.21	6880.	0.38	18252.	1362.	7.88	0.0230	90.	43.	0.02
MILE	37.00	794.20	7425.	0.23	32147.	1127.	7.31	0.0280	56.	43.	0.01
MILE	36.00	794.20	7718.	0.39	19869.	907.	8.36	0.0280	43.	45.	0.01
MILE	34.60	794.20	8164.	0.27	30181.	1234.	9.66	0.0280	43.	46.	0.01
MILE	33.60	794.20	8456.	0.14	62445.	2156.	8.15	0.0290	56.	51.	0.00
MILE	31.50	794.20	8879.	0.29	30635.	1769.	10.40	0.0250	63.	55.	0.01
MILE	30.10	794.19	9295.	0.29	32268.	889.	9.94	0.0200	45.	53.	0.01
MILE	29.00	794.19	9560.	0.27	35942.	1061.	10.81	0.0200	50.	54.	0.01
MILE	27.30	794.19	9939.	0.27	37288.	1061.	11.20	0.0230	68.	57.	0.01
MILE	25.20	794.18	10219.	0.22	46173.	1059.	12.03	0.0230	76.	60.	0.01
MILE	23.10	794.17	10731.	0.28	37992.	1089.	11.45	0.0230	76.	64.	0.01

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TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6757.	4.01	1686.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.32	6831.	2.90	2356.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.43	6896.	3.01	2289.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.29	6953.	3.02	2300.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.14	7005.	2.36	2969.	296.	3.75	0.0400	76.	11.	0.13

MILE	69.30	805.48	7045.	2.76	2557.	353.	3.20	0.0340	76.	7.	0.18
MILE	67.20	800.53	7065.	2.59	2732.	409.	2.98	0.0340	76.	10.	0.18
MILE	65.10	796.32	7055.	2.45	2885.	413.	3.76	0.0320	76.	9.	0.16
MILE	63.00	795.46	7107.	1.80	3942.	377.	4.89	0.0400	76.	14.	0.10
MILE	60.90	794.66	7135.	1.48	4826.	363.	5.87	0.0450	76.	18.	0.07
MILE	58.80	794.27	5092.	0.87	5843.	357.	6.17	0.0400	-1930.	21.	0.04
MILE	57.00	794.25	5072.	0.78	6473.	400.	6.07	0.0200	68.	19.	0.03
MILE	55.00	794.23	5073.	0.77	6562.	462.	6.54	0.0200	70.	21.	0.04
MILE	53.10	794.22	5097.	0.56	9050.	569.	6.03	0.0200	72.	21.	0.02
MILE	51.00	794.20	5178.	0.53	9740.	924.	6.14	0.0200	86.	25.	0.03
MILE	48.30	794.17	5669.	0.43	13200.	1630.	4.91	0.0200	86.	25.	0.03
MILE	46.20	794.16	6249.	0.40	15684.	1824.	6.76	0.0200	76.	32.	0.02
MILE	44.10	794.15	6689.	0.24	27793.	1514.	8.07	0.0300	45.	39.	0.01
MILE	43.70	794.15	6768.	0.47	14377.	1370.	8.22	0.0300	38.	41.	0.03
MILE	42.00	794.13	7147.	0.38	18888.	1336.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.10	7858.	0.43	18164.	1357.	7.87	0.0230	90.	43.	0.02
MILE	37.00	794.10	7926.	0.25	31981.	1123.	7.29	0.0280	56.	43.	0.01
MILE	36.00	794.10	7995.	0.40	19788.	904.	8.35	0.0280	43.	45.	0.02
MILE	34.60	794.10	8160.	0.27	30084.	1230.	9.64	0.0280	43.	46.	0.01
MILE	33.60	794.10	8322.	0.13	62182.	2148.	8.13	0.0290	56.	51.	0.00
MILE	31.50	794.10	8704.	0.28	30544.	1763.	10.38	0.0250	63.	55.	0.01
MILE	30.10	794.10	8971.	0.28	32169.	886.	9.92	0.0200	45.	53.	0.01
MILE	29.00	794.10	9115.	0.25	35851.	1057.	10.79	0.0200	50.	54.	0.01
MILE	27.30	794.10	9306.	0.25	37199.	1058.	11.19	0.0230	68.	57.	0.01
MILE	25.20	794.10	9544.	0.21	46082.	1056.	12.01	0.0230	76.	60.	0.01
MILE	23.10	794.11	9757.	0.26	37935.	1087.	11.44	0.0230	76.	64.	0.01

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TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.89	6730.	4.01	1680.	333.	3.23	0.0290	76.	7.	0.31
MILE	77.70	821.31	6809.	2.89	2353.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.43	6893.	3.01	2291.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.31	6966.	3.02	2305.	234.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.16	7029.	2.36	2977.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.51	7087.	2.76	2567.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.57	7139.	2.59	2754.	410.	3.00	0.0340	76.	10.	0.18
MILE	65.10	796.38	7156.	2.46	2910.	415.	3.78	0.0320	76.	9.	0.16
MILE	63.00	795.52	7158.	1.81	3964.	380.	4.91	0.0400	76.	15.	0.10
MILE	60.90	794.70	7248.	1.50	4838.	363.	5.88	0.0450	76.	18.	0.07
MILE	58.80	794.26	5452.	0.93	5838.	357.	6.17	0.0400	-1930.	21.	0.04
MILE	57.00	794.22	5621.	0.87	6462.	399.	6.07	0.0200	68.	19.	0.04
MILE	55.00	794.18	5796.	0.89	6545.	461.	6.53	0.0200	70.	21.	0.04
MILE	53.10	794.16	5983.	0.66	9014.	568.	6.02	0.0200	72.	21.	0.03
MILE	51.00	794.13	6246.	0.64	9704.	922.	6.13	0.0200	86.	25.	0.03
MILE	48.30	794.11	6543.	0.50	13126.	1627.	4.91	0.0200	86.	25.	0.03

MILE	46.20	794.10	6664.	0.43	15631.	1820.	6.75	0.0200	76.	32.	0.03
MILE	44.10	794.10	6988.	0.25	27728.	1512.	8.06	0.0300	45.	39.	0.01
MILE	43.70	794.10	7036.	0.49	14349.	1367.	8.22	0.0300	38.	41.	0.03
MILE	42.00	794.09	7182.	0.38	18833.	1334.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.07	7290.	0.40	18142.	1356.	7.86	0.0230	90.	43.	0.02
MILE	37.00	794.07	7735.	0.24	31930.	1122.	7.28	0.0280	56.	43.	0.01
MILE	36.00	794.07	7863.	0.40	19761.	903.	8.35	0.0280	43.	45.	0.01
MILE	34.60	794.06	7993.	0.27	30049.	1229.	9.64	0.0280	43.	46.	0.01
MILE	33.60	794.06	8181.	0.13	62087.	2146.	8.12	0.0290	56.	51.	0.00
MILE	31.50	794.06	8729.	0.29	30508.	1760.	10.38	0.0250	63.	55.	0.01
MILE	30.10	794.06	8789.	0.27	32129.	885.	9.92	0.0200	45.	53.	0.01
MILE	29.00	794.06	8880.	0.25	35812.	1056.	10.79	0.0200	50.	54.	0.01
MILE	27.30	794.05	9156.	0.25	37156.	1056.	11.18	0.0230	68.	57.	0.01
MILE	25.20	794.04	9510.	0.21	46018.	1054.	12.01	0.0230	76.	60.	0.01
MILE	23.10	794.04	9776.	0.26	37868.	1084.	11.43	0.0230	76.	64.	0.01

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TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.89	6727.	4.00	1680.	334.	3.23	0.0290	76.	7.	0.31
MILE	77.70	821.30	6802.	2.89	2351.	316.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.43	6878.	3.01	2289.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.31	6956.	3.02	2304.	234.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.16	7031.	2.36	2979.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.52	7103.	2.76	2572.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.59	7166.	2.59	2764.	410.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.40	7219.	2.48	2917.	416.	3.79	0.0320	76.	9.	0.16
MILE	63.00	795.50	7319.	1.85	3957.	379.	4.90	0.0400	76.	14.	0.10
MILE	60.90	794.63	7438.	1.54	4815.	363.	5.86	0.0450	76.	18.	0.07
MILE	58.80	794.18	5525.	0.95	5809.	356.	6.16	0.0400	-1930.	21.	0.04
MILE	57.00	794.15	5610.	0.87	6431.	398.	6.05	0.0200	68.	19.	0.04
MILE	55.00	794.12	5730.	0.88	6521.	460.	6.52	0.0200	70.	21.	0.04
MILE	53.10	794.11	5848.	0.65	8983.	567.	6.01	0.0200	72.	21.	0.03
MILE	51.00	794.09	5982.	0.62	9685.	921.	6.13	0.0200	86.	25.	0.03
MILE	48.30	794.08	6296.	0.48	13088.	1625.	4.91	0.0200	86.	25.	0.03
MILE	46.20	794.06	6873.	0.44	15596.	1818.	6.74	0.0200	76.	32.	0.03
MILE	44.10	794.06	7192.	0.26	27680.	1509.	8.05	0.0300	45.	39.	0.01
MILE	43.70	794.06	7242.	0.51	14327.	1366.	8.23	0.0300	38.	41.	0.03
MILE	42.00	794.05	7431.	0.40	18783.	1332.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.04	7487.	0.41	18112.	1354.	7.86	0.0230	90.	43.	0.02
MILE	37.00	794.05	7128.	0.22	31901.	1122.	7.28	0.0280	56.	43.	0.01
MILE	36.00	794.06	6934.	0.35	19754.	903.	8.35	0.0280	43.	45.	0.01
MILE	34.60	794.07	6622.	0.22	30053.	1229.	9.64	0.0280	43.	46.	0.01
MILE	33.60	794.07	6390.	0.10	62110.	2146.	8.12	0.0290	56.	51.	0.00
MILE	31.50	794.08	6024.	0.20	30527.	1761.	10.38	0.0250	63.	55.	0.01
MILE	30.10	794.09	5748.	0.18	32158.	886.	9.92	0.0200	45.	53.	0.01

MILE	29.00	794.09	5566.	0.16	35846.	1057.	10.79	0.0200	50.	54.	0.00
MILE	27.30	794.10	5271.	0.14	37203.	1058.	11.19	0.0230	68.	57.	0.00
MILE	25.20	794.11	5125.	0.11	46095.	1056.	12.02	0.0230	76.	60.	0.00
MILE	23.10	794.13	4869.	0.13	37954.	1088.	11.45	0.0230	76.	64.	0.00

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TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6748.	4.01	1684.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.31	6820.	2.90	2354.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.43	6885.	3.01	2289.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.31	6953.	3.02	2303.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.16	7024.	2.36	2977.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.51	7095.	2.76	2571.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.59	7169.	2.59	2765.	411.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.39	7244.	2.49	2915.	416.	3.79	0.0320	76.	9.	0.17
MILE	63.00	795.49	7329.	1.85	3954.	378.	4.90	0.0400	76.	14.	0.10
MILE	60.90	794.61	7432.	1.55	4810.	362.	5.86	0.0450	76.	18.	0.07
MILE	58.80	794.15	5589.	0.96	5798.	356.	6.15	0.0400	-1930.	21.	0.04
MILE	57.00	794.12	5722.	0.89	6416.	398.	6.04	0.0200	68.	19.	0.04
MILE	55.00	794.08	5840.	0.90	6507.	460.	6.52	0.0200	70.	21.	0.04
MILE	53.10	794.07	5904.	0.66	8962.	566.	6.01	0.0200	72.	21.	0.03
MILE	51.00	794.07	5885.	0.61	9670.	920.	6.12	0.0200	86.	25.	0.03
MILE	48.30	794.08	5454.	0.42	13091.	1625.	4.91	0.0200	86.	25.	0.03
MILE	46.20	794.09	4812.	0.31	15623.	1820.	6.75	0.0200	76.	32.	0.02
MILE	44.10	794.11	4400.	0.16	27736.	1512.	8.06	0.0300	45.	39.	0.01
MILE	43.70	794.11	4335.	0.30	14355.	1368.	8.22	0.0300	38.	41.	0.02
MILE	42.00	794.12	4061.	0.22	18874.	1336.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.14	3678.	0.20	18193.	1359.	7.87	0.0230	90.	43.	0.01
MILE	37.00	794.14	3857.	0.12	32044.	1125.	7.30	0.0280	56.	43.	0.00
MILE	36.00	794.14	3944.	0.20	19821.	905.	8.35	0.0280	43.	45.	0.01
MILE	34.60	794.14	4046.	0.13	30127.	1232.	9.65	0.0280	43.	46.	0.00
MILE	33.60	794.14	4078.	0.07	62301.	2152.	8.14	0.0290	56.	51.	0.00
MILE	31.50	794.15	4026.	0.13	30590.	1766.	10.39	0.0250	63.	55.	0.01
MILE	30.10	794.15	4004.	0.12	32221.	888.	9.93	0.0200	45.	53.	0.00
MILE	29.00	794.15	4034.	0.11	35900.	1059.	10.80	0.0200	50.	54.	0.00
MILE	27.30	794.15	4126.	0.11	37249.	1059.	11.20	0.0230	68.	57.	0.00
MILE	25.20	794.15	4202.	0.09	46132.	1057.	12.02	0.0230	76.	60.	0.00
MILE	23.10	794.14	4356.	0.11	37963.	1088.	11.45	0.0230	76.	64.	0.00

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TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6735.	4.00	1683.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.31	6809.	2.89	2353.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.43	6884.	3.01	2290.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.31	6955.	3.02	2304.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.16	7026.	2.36	2977.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.51	7097.	2.76	2570.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.59	7170.	2.59	2765.	410.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.38	7251.	2.49	2911.	416.	3.79	0.0320	76.	9.	0.17
MILE	63.00	795.48	7322.	1.85	3952.	378.	4.90	0.0400	76.	14.	0.10
MILE	60.90	794.64	7288.	1.51	4820.	363.	5.87	0.0450	76.	18.	0.07
MILE	58.80	794.25	5116.	0.88	5834.	357.	6.17	0.0400	-1930.	21.	0.04
MILE	57.00	794.23	4969.	0.77	6465.	399.	6.07	0.0200	68.	19.	0.03
MILE	55.00	794.22	4816.	0.73	6557.	462.	6.53	0.0200	70.	21.	0.03
MILE	53.10	794.21	4670.	0.52	9045.	569.	6.03	0.0200	72.	21.	0.02
MILE	51.00	794.20	4470.	0.46	9740.	924.	6.14	0.0200	86.	25.	0.02
MILE	48.30	794.19	4295.	0.33	13213.	1631.	4.91	0.0200	86.	25.	0.02
MILE	46.20	794.18	4178.	0.27	15699.	1825.	6.76	0.0200	76.	32.	0.02
MILE	44.10	794.17	3930.	0.14	27817.	1515.	8.07	0.0300	45.	39.	0.01
MILE	43.70	794.17	3907.	0.27	14389.	1371.	8.22	0.0300	38.	41.	0.01
MILE	42.00	794.16	3928.	0.21	18922.	1337.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.13	4264.	0.23	18189.	1359.	7.87	0.0230	90.	43.	0.01
MILE	37.00	794.13	4190.	0.13	32021.	1124.	7.29	0.0280	56.	43.	0.00
MILE	36.00	794.12	4233.	0.21	19806.	905.	8.35	0.0280	43.	45.	0.01
MILE	34.60	794.12	4381.	0.15	30101.	1231.	9.64	0.0280	43.	46.	0.01
MILE	33.60	794.11	4480.	0.07	62223.	2149.	8.13	0.0290	56.	51.	0.00
MILE	31.50	794.11	4643.	0.15	30558.	1764.	10.39	0.0250	63.	55.	0.01
MILE	30.10	794.11	4944.	0.15	32179.	886.	9.93	0.0200	45.	53.	0.00
MILE	29.00	794.10	5097.	0.14	35855.	1058.	10.79	0.0200	50.	54.	0.00
MILE	27.30	794.10	5235.	0.14	37200.	1058.	11.19	0.0230	68.	57.	0.00
MILE	25.20	794.10	5345.	0.12	46082.	1056.	12.01	0.0230	76.	60.	0.00
MILE	23.10	794.10	5523.	0.15	37925.	1087.	11.44	0.0230	76.	64.	0.00

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TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.90	6718.	3.99	1683.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.30	6793.	2.89	2350.	315.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.42	6871.	3.00	2288.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.30	6950.	3.02	2303.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.16	7027.	2.36	2977.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.52	7107.	2.76	2572.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.60	7188.	2.60	2770.	411.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.43	7243.	2.47	2931.	418.	3.80	0.0320	76.	9.	0.16

MILE	63.00	795.58	7211.	1.81	3986.	382.	4.92	0.0400	76.	15.	0.10
MILE	60.90	794.77	7201.	1.48	4864.	364.	5.90	0.0450	76.	18.	0.07
MILE	58.80	794.36	5268.	0.90	5876.	358.	6.18	0.0400	-1930.	21.	0.04
MILE	57.00	794.33	5323.	0.82	6507.	401.	6.09	0.0200	68.	20.	0.04
MILE	55.00	794.29	5372.	0.82	6586.	463.	6.54	0.0200	70.	21.	0.04
MILE	53.10	794.27	5450.	0.60	9080.	570.	6.04	0.0200	72.	21.	0.03
MILE	51.00	794.24	5597.	0.57	9757.	925.	6.15	0.0200	86.	25.	0.03
MILE	48.30	794.20	5791.	0.44	13230.	1632.	4.91	0.0200	86.	25.	0.03
MILE	46.20	794.19	5771.	0.37	15706.	1826.	6.76	0.0200	76.	32.	0.02
MILE	44.10	794.18	5962.	0.21	27819.	1515.	8.07	0.0300	45.	39.	0.01
MILE	43.70	794.17	5992.	0.42	14389.	1371.	8.22	0.0300	38.	41.	0.02
MILE	42.00	794.15	6104.	0.32	18913.	1337.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.11	6464.	0.36	18174.	1358.	7.87	0.0230	90.	43.	0.02
MILE	37.00	794.09	7096.	0.22	31964.	1123.	7.28	0.0280	56.	43.	0.01
MILE	36.00	794.08	7378.	0.37	19772.	903.	8.35	0.0280	43.	45.	0.01
MILE	34.60	794.06	7792.	0.26	30049.	1229.	9.64	0.0280	43.	46.	0.01
MILE	33.60	794.06	8145.	0.13	62075.	2145.	8.12	0.0290	56.	51.	0.00
MILE	31.50	794.04	8871.	0.29	30498.	1759.	10.38	0.0250	63.	55.	0.01
MILE	30.10	794.03	9267.	0.29	32101.	884.	9.91	0.0200	45.	53.	0.01
MILE	29.00	794.02	9536.	0.27	35776.	1055.	10.78	0.0200	50.	54.	0.01
MILE	27.30	794.01	9996.	0.27	37113.	1054.	11.17	0.0230	68.	57.	0.01
MILE	25.20	793.99	10440.	0.23	45960.	1052.	12.00	0.0230	76.	59.	0.01
MILE	23.10	793.97	10967.	0.29	37802.	1082.	11.42	0.0230	76.	64.	0.01

0DATE 5-16-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6735.	3.99	1686.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.31	6808.	2.89	2353.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.42	6879.	3.01	2288.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.30	6954.	3.02	2303.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.16	7033.	2.36	2978.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.52	7114.	2.76	2574.	354.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.60	7190.	2.59	2774.	411.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.47	7249.	2.46	2945.	420.	3.81	0.0320	76.	9.	0.16
MILE	63.00	795.59	7321.	1.83	3991.	383.	4.92	0.0400	76.	15.	0.10
MILE	60.90	794.74	7444.	1.53	4853.	364.	5.89	0.0450	76.	18.	0.07
MILE	58.80	794.30	5576.	0.95	5852.	357.	6.17	0.0400	-1930.	21.	0.04
MILE	57.00	794.26	5703.	0.88	6478.	400.	6.07	0.0200	68.	19.	0.04
MILE	55.00	794.22	5881.	0.90	6560.	462.	6.53	0.0200	70.	21.	0.04
MILE	53.10	794.20	6093.	0.67	9040.	568.	6.03	0.0200	72.	21.	0.03
MILE	51.00	794.17	6434.	0.66	9724.	923.	6.14	0.0200	86.	25.	0.04
MILE	48.30	794.13	7313.	0.56	13144.	1628.	4.91	0.0200	86.	25.	0.03
MILE	46.20	794.09	8390.	0.54	15625.	1820.	6.75	0.0200	76.	32.	0.03
MILE	44.10	794.08	9221.	0.33	27704.	1511.	8.05	0.0300	45.	39.	0.01
MILE	43.70	794.07	9353.	0.65	14335.	1366.	8.23	0.0300	38.	41.	0.04

MILE	42.00	794.04	9889.	0.53	18774.	1332.	6.16	0.0300	83.	44.	0.02
MILE	39.10	793.98	10702.	0.59	18067.	1352.	7.85	0.0230	90.	43.	0.03
MILE	37.00	793.98	10774.	0.34	31787.	1119.	7.26	0.0280	56.	43.	0.01
MILE	36.00	793.97	10784.	0.55	19688.	900.	8.34	0.0280	43.	45.	0.02
MILE	34.60	793.97	10804.	0.36	29958.	1225.	9.63	0.0280	43.	45.	0.01
MILE	33.60	793.97	10874.	0.18	61844.	2139.	8.10	0.0290	56.	51.	0.01
MILE	31.50	793.97	11145.	0.37	30427.	1755.	10.37	0.0250	63.	55.	0.02
MILE	30.10	793.97	11228.	0.35	32033.	882.	9.90	0.0200	45.	53.	0.01
MILE	29.00	793.97	11258.	0.32	35720.	1053.	10.77	0.0200	50.	54.	0.01
MILE	27.30	793.96	11283.	0.30	37067.	1053.	11.17	0.0230	68.	57.	0.01
MILE	25.20	793.96	11386.	0.25	45931.	1051.	11.99	0.0230	76.	59.	0.01
MILE	23.10	793.97	11406.	0.30	37802.	1082.	11.42	0.0230	76.	64.	0.01

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6742.	4.00	1686.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.31	6819.	2.90	2355.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.43	6894.	3.01	2291.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.31	6967.	3.02	2306.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.16	7040.	2.36	2980.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.52	7110.	2.76	2574.	354.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.60	7179.	2.59	2772.	411.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.45	7257.	2.47	2938.	419.	3.81	0.0320	76.	9.	0.16
MILE	63.00	795.55	7397.	1.86	3974.	381.	4.91	0.0400	76.	15.	0.10
MILE	60.90	794.64	7629.	1.58	4818.	363.	5.86	0.0450	76.	18.	0.08
MILE	58.80	794.13	5966.	1.03	5791.	355.	6.15	0.0400	-1930.	21.	0.04
MILE	57.00	794.09	6255.	0.98	6403.	397.	6.04	0.0200	68.	19.	0.04
MILE	55.00	794.04	6576.	1.01	6491.	459.	6.51	0.0200	70.	21.	0.05
MILE	53.10	794.02	6889.	0.77	8928.	565.	6.00	0.0200	72.	21.	0.03
MILE	51.00	793.99	7298.	0.76	9633.	917.	6.11	0.0200	86.	25.	0.04
MILE	48.30	793.98	7839.	0.60	12975.	1619.	4.91	0.0200	86.	25.	0.04
MILE	46.20	793.97	8239.	0.53	15516.	1812.	6.73	0.0200	76.	32.	0.03
MILE	44.10	793.98	8755.	0.32	27581.	1505.	8.04	0.0300	45.	39.	0.01
MILE	43.70	793.97	8825.	0.62	14284.	1362.	8.23	0.0300	38.	41.	0.03
MILE	42.00	793.97	8978.	0.48	18691.	1329.	6.16	0.0300	83.	44.	0.02
MILE	39.10	793.98	8704.	0.48	18065.	1352.	7.85	0.0230	90.	43.	0.02
MILE	37.00	794.00	8565.	0.27	31815.	1120.	7.26	0.0280	56.	43.	0.01
MILE	36.00	794.00	8477.	0.43	19711.	901.	8.34	0.0280	43.	45.	0.02
MILE	34.60	794.02	8282.	0.28	30002.	1227.	9.63	0.0280	43.	46.	0.01
MILE	33.60	794.02	8059.	0.13	61978.	2143.	8.11	0.0290	56.	51.	0.00
MILE	31.50	794.03	7493.	0.25	30486.	1759.	10.38	0.0250	63.	55.	0.01
MILE	30.10	794.04	7131.	0.22	32114.	884.	9.92	0.0200	45.	53.	0.01
MILE	29.00	794.05	6927.	0.19	35807.	1056.	10.79	0.0200	50.	54.	0.01
MILE	27.30	794.07	6603.	0.18	37169.	1056.	11.18	0.0230	68.	57.	0.01
MILE	25.20	794.08	6279.	0.14	46056.	1055.	12.01	0.0230	76.	60.	0.00

MILE	23.10	794.09	6029.	0.16	37916.	1086.	11.44	0.0230	76.	64.	0.00

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 1.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.89	6710.	4.00	1679.	333.	3.23	0.0290	76.	7.	0.31
MILE	77.70	821.30	6791.	2.89	2350.	315.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.43	6879.	3.00	2290.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.31	6961.	3.02	2305.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.16	7035.	2.36	2980.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.52	7103.	2.76	2572.	354.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.59	7169.	2.59	2766.	411.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.38	7268.	2.50	2910.	415.	3.78	0.0320	76.	9.	0.17
MILE	63.00	795.44	7463.	1.90	3935.	376.	4.89	0.0400	76.	14.	0.10
MILE	60.90	794.50	7646.	1.60	4772.	361.	5.83	0.0450	76.	18.	0.08
MILE	58.80	794.01	5753.	1.00	5747.	354.	6.14	0.0400	-1930.	21.	0.04
MILE	57.00	793.99	5832.	0.92	6360.	396.	6.01	0.0200	68.	19.	0.04
MILE	55.00	793.96	5919.	0.92	6461.	458.	6.50	0.0200	70.	20.	0.04
MILE	53.10	793.96	5954.	0.67	8892.	564.	5.99	0.0200	72.	21.	0.03
MILE	51.00	793.96	5867.	0.61	9618.	916.	6.11	0.0200	86.	25.	0.03
MILE	48.30	793.99	5400.	0.42	12988.	1620.	4.91	0.0200	86.	25.	0.03
MILE	46.20	794.00	4993.	0.32	15544.	1814.	6.73	0.0200	76.	32.	0.02
MILE	44.10	794.02	4416.	0.16	27639.	1508.	8.04	0.0300	45.	39.	0.01
MILE	43.70	794.03	4339.	0.30	14312.	1364.	8.23	0.0300	38.	41.	0.02
MILE	42.00	794.04	4127.	0.22	18780.	1332.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.05	4320.	0.24	18120.	1355.	7.86	0.0230	90.	43.	0.01
MILE	37.00	794.05	4637.	0.15	31891.	1121.	7.27	0.0280	56.	43.	0.00
MILE	36.00	794.05	4771.	0.24	19745.	902.	8.34	0.0280	43.	45.	0.01
MILE	34.60	794.05	4960.	0.17	30033.	1228.	9.64	0.0280	43.	46.	0.01
MILE	33.60	794.05	5130.	0.08	62049.	2145.	8.12	0.0290	56.	51.	0.00
MILE	31.50	794.05	5516.	0.18	30500.	1760.	10.38	0.0250	63.	55.	0.01
MILE	30.10	794.05	5731.	0.18	32118.	884.	9.92	0.0200	45.	53.	0.01
MILE	29.00	794.05	5899.	0.16	35802.	1056.	10.79	0.0200	50.	54.	0.00
MILE	27.30	794.05	6230.	0.17	37150.	1056.	11.18	0.0230	68.	57.	0.00
MILE	25.20	794.05	6616.	0.14	46021.	1054.	12.01	0.0230	76.	60.	0.00
MILE	23.10	794.04	6867.	0.18	37868.	1084.	11.43	0.0230	76.	64.	0.01

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 2.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.90	6723.	4.00	1683.	334.	3.24	0.0290	76.	7.	0.31

MILE	77.70	821.30	6796.	2.89	2350.	315.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.42	6865.	3.00	2286.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.30	6938.	3.01	2301.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.15	7012.	2.36	2975.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.51	7088.	2.76	2569.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.58	7170.	2.60	2763.	410.	3.00	0.0340	76.	10.	0.18
MILE	65.10	796.34	7267.	2.51	2896.	414.	3.77	0.0320	76.	9.	0.17
MILE	63.00	795.43	7336.	1.87	3931.	375.	4.89	0.0400	76.	14.	0.10
MILE	60.90	794.57	7276.	1.52	4796.	362.	5.85	0.0450	76.	18.	0.07
MILE	58.80	794.17	5098.	0.88	5805.	356.	6.16	0.0400	-1930.	21.	0.04
MILE	57.00	794.15	4935.	0.77	6432.	398.	6.05	0.0200	68.	19.	0.03
MILE	55.00	794.14	4744.	0.73	6527.	461.	6.52	0.0200	70.	21.	0.03
MILE	53.10	794.12	4599.	0.51	8993.	567.	6.02	0.0200	72.	21.	0.02
MILE	51.00	794.10	4516.	0.47	9688.	921.	6.13	0.0200	86.	25.	0.03
MILE	48.30	794.07	4734.	0.36	13076.	1624.	4.91	0.0200	86.	25.	0.02
MILE	46.20	794.06	4606.	0.30	15592.	1818.	6.74	0.0200	76.	32.	0.02
MILE	44.10	794.05	4688.	0.17	27663.	1509.	8.05	0.0300	45.	39.	0.01
MILE	43.70	794.04	4699.	0.33	14320.	1365.	8.23	0.0300	38.	41.	0.02
MILE	42.00	794.03	4699.	0.25	18764.	1331.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.04	4106.	0.23	18114.	1354.	7.86	0.0230	90.	43.	0.01
MILE	37.00	794.07	3224.	0.10	31925.	1122.	7.28	0.0280	56.	43.	0.00
MILE	36.00	794.07	2916.	0.15	19767.	903.	8.35	0.0280	43.	45.	0.01
MILE	34.60	794.08	2531.	0.08	30068.	1230.	9.64	0.0280	43.	46.	0.00
MILE	33.60	794.09	2130.	0.03	62150.	2148.	8.12	0.0290	56.	51.	0.00
MILE	31.50	794.10	1172.	0.04	30549.	1763.	10.39	0.0250	63.	55.	0.00
MILE	30.10	794.11	812.	0.03	32184.	886.	9.93	0.0200	45.	53.	0.00
MILE	29.00	794.12	548.	0.02	35871.	1058.	10.80	0.0200	50.	54.	0.00
MILE	27.30	794.13	-20.	0.00	37232.	1059.	11.19	0.0230	68.	57.	0.00
MILE	25.20	794.15	-641.	-0.01	46139.	1058.	12.02	0.0230	76.	60.	0.00
MILE	23.10	794.18	-1067.	-0.03	38001.	1090.	11.45	0.0230	76.	64.	0.00

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 3.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.90	6709.	3.99	1683.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.29	6781.	2.89	2348.	315.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.41	6855.	3.00	2284.	280.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.29	6931.	3.01	2299.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.15	7009.	2.36	2972.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.51	7093.	2.76	2569.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.59	7181.	2.60	2766.	411.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.39	7244.	2.48	2915.	416.	3.79	0.0320	76.	9.	0.17
MILE	63.00	795.51	7239.	1.83	3962.	379.	4.90	0.0400	76.	15.	0.10
MILE	60.90	794.66	7311.	1.51	4828.	363.	5.87	0.0450	76.	18.	0.07
MILE	58.80	794.22	5453.	0.94	5825.	357.	6.16	0.0400	-1930.	21.	0.04
MILE	57.00	794.19	5546.	0.86	6449.	399.	6.06	0.0200	68.	19.	0.04

MILE	55.00	794.16	5616.	0.86	6538.	461.	6.53	0.0200	70.	21.	0.04
MILE	53.10	794.15	5610.	0.62	9012.	568.	6.02	0.0200	72.	21.	0.03
MILE	51.00	794.16	5370.	0.55	9716.	922.	6.13	0.0200	86.	25.	0.03
MILE	48.30	794.19	4039.	0.31	13212.	1631.	4.91	0.0200	86.	25.	0.02
MILE	46.20	794.20	2861.	0.18	15715.	1826.	6.77	0.0200	76.	32.	0.01
MILE	44.10	794.22	1645.	0.06	27868.	1518.	8.08	0.0300	45.	39.	0.00
MILE	43.70	794.22	1454.	0.10	14415.	1373.	8.22	0.0300	38.	41.	0.01
MILE	42.00	794.24	713.	0.04	19021.	1341.	6.16	0.0300	83.	44.	0.00
MILE	39.10	794.24	192.	0.01	18278.	1364.	7.88	0.0230	90.	43.	0.00
MILE	37.00	794.22	613.	0.02	32173.	1128.	7.31	0.0280	56.	43.	0.00
MILE	36.00	794.22	827.	0.04	19882.	908.	8.36	0.0280	43.	45.	0.00
MILE	34.60	794.21	1102.	0.04	30196.	1235.	9.66	0.0280	43.	46.	0.00
MILE	33.60	794.21	1227.	0.02	62479.	2156.	8.15	0.0290	56.	51.	0.00
MILE	31.50	794.20	1265.	0.04	30638.	1769.	10.40	0.0250	63.	55.	0.00
MILE	30.10	794.19	1421.	0.04	32269.	889.	9.94	0.0200	45.	53.	0.00
MILE	29.00	794.19	1581.	0.04	35940.	1061.	10.81	0.0200	50.	54.	0.00
MILE	27.30	794.18	1903.	0.05	37278.	1060.	11.20	0.0230	68.	57.	0.00
MILE	25.20	794.16	2193.	0.05	46145.	1058.	12.02	0.0230	76.	60.	0.00
MILE	23.10	794.13	2534.	0.07	37954.	1088.	11.45	0.0230	76.	64.	0.00

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 4.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.93	6737.	3.99	1690.	334.	3.25	0.0290	76.	7.	0.31
MILE	77.70	821.31	6808.	2.89	2353.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.42	6873.	3.01	2286.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.29	6943.	3.02	2300.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.15	7020.	2.36	2974.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.51	7099.	2.76	2571.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.59	7175.	2.59	2767.	411.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.41	7249.	2.48	2924.	417.	3.79	0.0320	76.	9.	0.17
MILE	63.00	795.55	7259.	1.83	3974.	381.	4.91	0.0400	76.	15.	0.10
MILE	60.90	794.77	7076.	1.46	4862.	364.	5.89	0.0450	76.	18.	0.07
MILE	58.80	794.43	4698.	0.80	5901.	359.	6.19	0.0400	-1930.	21.	0.03
MILE	57.00	794.41	4420.	0.68	6544.	402.	6.11	0.0200	68.	20.	0.03
MILE	55.00	794.40	4124.	0.62	6628.	465.	6.56	0.0200	70.	21.	0.03
MILE	53.10	794.40	3846.	0.42	9160.	572.	6.07	0.0200	72.	21.	0.02
MILE	51.00	794.38	3589.	0.37	9831.	930.	6.17	0.0200	86.	25.	0.02
MILE	48.30	794.33	3995.	0.30	13376.	1639.	4.90	0.0200	86.	25.	0.02
MILE	46.20	794.31	4179.	0.26	15814.	1833.	6.78	0.0200	76.	33.	0.02
MILE	44.10	794.28	4346.	0.16	27949.	1521.	8.09	0.0300	45.	39.	0.01
MILE	43.70	794.28	4375.	0.30	14445.	1376.	8.21	0.0300	38.	41.	0.02
MILE	42.00	794.25	4503.	0.24	19034.	1341.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.23	4211.	0.23	18272.	1363.	7.88	0.0230	90.	43.	0.01
MILE	37.00	794.25	2942.	0.09	32227.	1129.	7.32	0.0280	56.	43.	0.00
MILE	36.00	794.26	2466.	0.12	19916.	909.	8.36	0.0280	43.	45.	0.00

MILE	34.60	794.26	1863.	0.06	30246.	1237.	9.66	0.0280	43.	46.	0.00
MILE	33.60	794.26	1300.	0.02	62623.	2160.	8.16	0.0290	56.	51.	0.00
MILE	31.50	794.27	60.	0.00	30702.	1773.	10.41	0.0250	63.	55.	0.00
MILE	30.10	794.28	-467.	-0.01	32361.	892.	9.96	0.0200	45.	53.	0.00
MILE	29.00	794.28	-836.	-0.02	36037.	1064.	10.82	0.0200	50.	55.	0.00
MILE	27.30	794.29	-1567.	-0.04	37388.	1064.	11.22	0.0230	68.	57.	0.00
MILE	25.20	794.31	-2293.	-0.05	46311.	1063.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.34	-2934.	-0.08	38153.	1096.	11.48	0.0230	76.	64.	0.00

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TIME 5.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.92	6729.	3.99	1687.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.31	6808.	2.89	2353.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.43	6888.	3.01	2290.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.31	6964.	3.02	2304.	234.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.16	7039.	2.36	2979.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.52	7116.	2.76	2574.	354.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.61	7194.	2.59	2776.	411.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.51	7223.	2.44	2964.	422.	3.83	0.0320	76.	10.	0.16
MILE	63.00	795.70	7143.	1.77	4029.	388.	4.95	0.0400	76.	15.	0.10
MILE	60.90	794.91	7238.	1.47	4911.	366.	5.93	0.0450	76.	18.	0.07
MILE	58.80	794.48	5543.	0.94	5920.	360.	6.20	0.0400	-1930.	21.	0.04
MILE	57.00	794.44	5747.	0.88	6555.	402.	6.11	0.0200	68.	20.	0.04
MILE	55.00	794.40	5903.	0.89	6628.	465.	6.56	0.0200	70.	21.	0.04
MILE	53.10	794.38	6010.	0.66	9150.	572.	6.07	0.0200	72.	21.	0.03
MILE	51.00	794.37	5979.	0.61	9825.	929.	6.16	0.0200	86.	25.	0.03
MILE	48.30	794.39	4767.	0.35	13453.	1642.	4.90	0.0200	86.	25.	0.02
MILE	46.20	794.41	3344.	0.21	15905.	1839.	6.80	0.0200	76.	33.	0.01
MILE	44.10	794.43	2246.	0.08	28125.	1529.	8.11	0.0300	45.	39.	0.00
MILE	43.70	794.43	2063.	0.14	14529.	1383.	8.20	0.0300	38.	41.	0.01
MILE	42.00	794.46	1246.	0.06	19293.	1351.	6.16	0.0300	83.	44.	0.00
MILE	39.10	794.47	304.	0.02	18470.	1375.	7.90	0.0230	90.	43.	0.00
MILE	37.00	794.46	725.	0.02	32557.	1137.	7.37	0.0280	56.	43.	0.00
MILE	36.00	794.46	883.	0.04	20076.	915.	8.38	0.0280	43.	45.	0.00
MILE	34.60	794.45	1007.	0.03	30436.	1245.	9.69	0.0280	43.	46.	0.00
MILE	33.60	794.45	1020.	0.02	63125.	2174.	8.19	0.0290	56.	52.	0.00
MILE	31.50	794.44	884.	0.03	30857.	1783.	10.43	0.0250	63.	56.	0.00
MILE	30.10	794.44	794.	0.02	32524.	897.	9.99	0.0200	45.	54.	0.00
MILE	29.00	794.43	804.	0.02	36186.	1070.	10.85	0.0200	50.	55.	0.00
MILE	27.30	794.43	900.	0.02	37523.	1069.	11.24	0.0230	68.	57.	0.00
MILE	25.20	794.40	944.	0.02	46413.	1067.	12.06	0.0230	76.	60.	0.00
MILE	23.10	794.38	950.	0.02	38191.	1097.	11.49	0.0230	76.	64.	0.00

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TIME 6.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6730.	4.00	1684.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.31	6810.	2.89	2353.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.44	6893.	3.01	2292.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.32	6975.	3.02	2307.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.17	7055.	2.36	2983.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.53	7130.	2.77	2578.	354.	3.22	0.0340	76.	7.	0.18
MILE	67.20	800.62	7194.	2.59	2780.	411.	3.02	0.0340	76.	10.	0.18
MILE	65.10	796.53	7258.	2.44	2971.	422.	3.83	0.0320	76.	10.	0.16
MILE	63.00	795.69	7317.	1.82	4028.	388.	4.95	0.0400	76.	15.	0.10
MILE	60.90	794.93	7186.	1.46	4917.	366.	5.93	0.0450	76.	18.	0.07
MILE	58.80	794.60	4764.	0.80	5968.	361.	6.21	0.0400	-1930.	22.	0.03
MILE	57.00	794.60	4469.	0.67	6622.	404.	6.14	0.0200	68.	20.	0.03
MILE	55.00	794.59	4185.	0.62	6699.	468.	6.58	0.0200	70.	21.	0.03
MILE	53.10	794.60	3882.	0.42	9283.	576.	6.11	0.0200	72.	21.	0.02
MILE	51.00	794.60	3490.	0.35	9943.	936.	6.20	0.0200	86.	25.	0.02
MILE	48.30	794.56	3633.	0.27	13648.	1652.	4.90	0.0200	86.	26.	0.02
MILE	46.20	794.54	3923.	0.24	16024.	1848.	6.82	0.0200	76.	33.	0.01
MILE	44.10	794.53	3823.	0.14	28242.	1534.	8.13	0.0300	45.	39.	0.01
MILE	43.70	794.52	3822.	0.26	14578.	1388.	8.20	0.0300	38.	42.	0.01
MILE	42.00	794.50	3948.	0.20	19344.	1353.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.45	4615.	0.25	18449.	1373.	7.90	0.0230	90.	43.	0.01
MILE	37.00	794.43	4446.	0.14	32512.	1136.	7.36	0.0280	56.	43.	0.00
MILE	36.00	794.42	4343.	0.22	20051.	914.	8.38	0.0280	43.	45.	0.01
MILE	34.60	794.41	4216.	0.14	30399.	1244.	9.68	0.0280	43.	46.	0.00
MILE	33.60	794.41	4200.	0.07	63018.	2171.	8.19	0.0290	56.	52.	0.00
MILE	31.50	794.40	4376.	0.14	30819.	1781.	10.43	0.0250	63.	56.	0.01
MILE	30.10	794.40	4371.	0.13	32486.	895.	9.98	0.0200	45.	54.	0.00
MILE	29.00	794.40	4388.	0.12	36149.	1068.	10.84	0.0200	50.	55.	0.00
MILE	27.30	794.39	4483.	0.12	37483.	1068.	11.23	0.0230	68.	57.	0.00
MILE	25.20	794.39	4710.	0.10	46394.	1066.	12.05	0.0230	76.	60.	0.00
MILE	23.10	794.39	4674.	0.12	38201.	1097.	11.49	0.0230	76.	64.	0.00

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TIME 7.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.90	6734.	4.00	1682.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.31	6814.	2.90	2354.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.44	6896.	3.01	2292.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.32	6975.	3.02	2308.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.17	7053.	2.36	2984.	296.	3.76	0.0400	76.	11.	0.13

MILE	69.30	805.53	7132.	2.77	2579.	354.	3.22	0.0340	76.	7.	0.18
MILE	67.20	800.63	7214.	2.59	2788.	412.	3.02	0.0340	76.	10.	0.18
MILE	65.10	796.63	7241.	2.40	3011.	427.	3.86	0.0320	76.	10.	0.16
MILE	63.00	795.86	7125.	1.74	4088.	396.	4.98	0.0400	76.	15.	0.10
MILE	60.90	795.13	7148.	1.43	4985.	372.	5.98	0.0450	76.	19.	0.07
MILE	58.80	794.73	5417.	0.90	6015.	363.	6.23	0.0400	-1930.	22.	0.04
MILE	57.00	794.69	5586.	0.84	6663.	406.	6.16	0.0200	68.	20.	0.04
MILE	55.00	794.65	5699.	0.85	6721.	469.	6.59	0.0200	70.	21.	0.04
MILE	53.10	794.61	5878.	0.63	9289.	576.	6.11	0.0200	72.	21.	0.03
MILE	51.00	794.56	6252.	0.63	9923.	935.	6.19	0.0200	86.	25.	0.03
MILE	48.30	794.52	6613.	0.49	13600.	1649.	4.90	0.0200	86.	26.	0.03
MILE	46.20	794.51	6375.	0.40	15993.	1845.	6.82	0.0200	76.	33.	0.02
MILE	44.10	794.50	6625.	0.23	28208.	1532.	8.13	0.0300	45.	39.	0.01
MILE	43.70	794.49	6660.	0.46	14562.	1386.	8.20	0.0300	38.	41.	0.02
MILE	42.00	794.48	6737.	0.35	19322.	1352.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.46	6738.	0.37	18456.	1374.	7.90	0.0230	90.	43.	0.02
MILE	37.00	794.45	7204.	0.22	32537.	1137.	7.37	0.0280	56.	43.	0.01
MILE	36.00	794.44	7360.	0.37	20061.	915.	8.38	0.0280	43.	45.	0.01
MILE	34.60	794.42	7542.	0.25	30407.	1244.	9.68	0.0280	43.	46.	0.01
MILE	33.60	794.42	7757.	0.12	63039.	2172.	8.19	0.0290	56.	52.	0.00
MILE	31.50	794.41	8341.	0.27	30828.	1782.	10.43	0.0250	63.	56.	0.01
MILE	30.10	794.40	8510.	0.26	32485.	895.	9.98	0.0200	45.	54.	0.01
MILE	29.00	794.39	8630.	0.24	36144.	1068.	10.84	0.0200	50.	55.	0.01
MILE	27.30	794.38	8864.	0.24	37477.	1068.	11.23	0.0230	68.	57.	0.01
MILE	25.20	794.36	9094.	0.20	46365.	1065.	12.05	0.0230	76.	60.	0.01
MILE	23.10	794.35	9229.	0.24	38163.	1096.	11.48	0.0230	76.	64.	0.01

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TIME 8.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.88	6716.	4.00	1677.	333.	3.23	0.0290	76.	7.	0.31
MILE	77.70	821.30	6796.	2.89	2350.	315.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.43	6884.	3.01	2290.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.32	6972.	3.02	2308.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.18	7057.	2.36	2985.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.54	7137.	2.76	2581.	354.	3.22	0.0340	76.	7.	0.18
MILE	67.20	800.64	7207.	2.58	2792.	412.	3.02	0.0340	76.	10.	0.17
MILE	65.10	796.66	7268.	2.40	3022.	428.	3.87	0.0320	76.	10.	0.16
MILE	63.00	795.83	7403.	1.82	4078.	395.	4.98	0.0400	76.	15.	0.10
MILE	60.90	795.01	7595.	1.54	4944.	367.	5.95	0.0450	76.	18.	0.07
MILE	58.80	794.58	5697.	0.96	5960.	361.	6.21	0.0400	-1930.	22.	0.04
MILE	57.00	794.55	5804.	0.88	6604.	404.	6.14	0.0200	68.	20.	0.04
MILE	55.00	794.52	5991.	0.90	6674.	467.	6.58	0.0200	70.	21.	0.04
MILE	53.10	794.51	6181.	0.67	9231.	575.	6.09	0.0200	72.	21.	0.03
MILE	51.00	794.50	6398.	0.65	9894.	933.	6.18	0.0200	86.	25.	0.04
MILE	48.30	794.48	6959.	0.51	13548.	1647.	4.90	0.0200	86.	26.	0.03

MILE	46.20	794.45	8022.	0.50	15942.	1842.	6.81	0.0200	76.	33.	0.03
MILE	44.10	794.44	8616.	0.31	28143.	1529.	8.12	0.0300	45.	39.	0.01
MILE	43.70	794.44	8704.	0.60	14532.	1384.	8.20	0.0300	38.	41.	0.03
MILE	42.00	794.42	9040.	0.47	19244.	1349.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.37	9756.	0.53	18388.	1370.	7.89	0.0230	90.	43.	0.03
MILE	37.00	794.36	9973.	0.31	32400.	1133.	7.35	0.0280	56.	43.	0.01
MILE	36.00	794.36	10044.	0.50	19995.	912.	8.37	0.0280	43.	45.	0.02
MILE	34.60	794.36	10118.	0.33	30340.	1241.	9.68	0.0280	43.	46.	0.01
MILE	33.60	794.36	10165.	0.16	62871.	2167.	8.18	0.0290	56.	51.	0.01
MILE	31.50	794.35	10275.	0.33	30774.	1778.	10.42	0.0250	63.	56.	0.01
MILE	30.10	794.35	10411.	0.32	32434.	894.	9.97	0.0200	45.	54.	0.01
MILE	29.00	794.35	10472.	0.29	36102.	1067.	10.83	0.0200	50.	55.	0.01
MILE	27.30	794.35	10511.	0.28	37445.	1067.	11.22	0.0230	68.	57.	0.01
MILE	25.20	794.36	10563.	0.23	46361.	1065.	12.05	0.0230	76.	60.	0.01
MILE	23.10	794.35	10697.	0.28	38163.	1096.	11.48	0.0230	76.	64.	0.01

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TIME 9.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.89	6730.	4.01	1678.	333.	3.23	0.0290	76.	7.	0.32
MILE	77.70	821.30	6808.	2.90	2351.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.43	6884.	3.01	2290.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.31	6962.	3.02	2306.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.17	7039.	2.36	2983.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.53	7114.	2.76	2577.	354.	3.22	0.0340	76.	7.	0.18
MILE	67.20	800.63	7190.	2.58	2787.	412.	3.02	0.0340	76.	10.	0.17
MILE	65.10	796.62	7281.	2.42	3008.	427.	3.86	0.0320	76.	10.	0.16
MILE	63.00	795.79	7405.	1.82	4062.	393.	4.97	0.0400	76.	15.	0.10
MILE	60.90	794.95	7570.	1.54	4926.	366.	5.94	0.0450	76.	18.	0.07
MILE	58.80	794.50	5844.	0.99	5928.	360.	6.20	0.0400	-1930.	21.	0.04
MILE	57.00	794.46	6073.	0.93	6563.	403.	6.12	0.0200	68.	20.	0.04
MILE	55.00	794.42	6301.	0.95	6634.	465.	6.56	0.0200	70.	21.	0.04
MILE	53.10	794.40	6520.	0.71	9160.	572.	6.07	0.0200	72.	21.	0.03
MILE	51.00	794.37	6847.	0.70	9827.	929.	6.16	0.0200	86.	25.	0.04
MILE	48.30	794.35	7417.	0.55	13402.	1640.	4.90	0.0200	86.	25.	0.03
MILE	46.20	794.35	7709.	0.49	15850.	1836.	6.79	0.0200	76.	33.	0.03
MILE	44.10	794.35	8148.	0.29	28029.	1524.	8.10	0.0300	45.	39.	0.01
MILE	43.70	794.35	8217.	0.57	14483.	1379.	8.21	0.0300	38.	41.	0.03
MILE	42.00	794.34	8453.	0.44	19149.	1346.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.34	8593.	0.47	18360.	1368.	7.89	0.0230	90.	43.	0.02
MILE	37.00	794.35	8581.	0.26	32390.	1133.	7.34	0.0280	56.	43.	0.01
MILE	36.00	794.35	8642.	0.43	19994.	912.	8.37	0.0280	43.	45.	0.02
MILE	34.60	794.35	8773.	0.29	30339.	1241.	9.68	0.0280	43.	46.	0.01
MILE	33.60	794.36	8796.	0.14	62876.	2167.	8.18	0.0290	56.	51.	0.00
MILE	31.50	794.37	8638.	0.28	30788.	1779.	10.42	0.0250	63.	56.	0.01
MILE	30.10	794.37	8655.	0.27	32452.	894.	9.97	0.0200	45.	54.	0.01

MILE	29.00	794.37	8667.	0.24	36123.	1067.	10.84	0.0200	50.	55.	0.01
MILE	27.30	794.38	8642.	0.23	37474.	1068.	11.23	0.0230	68.	57.	0.01
MILE	25.20	794.38	8582.	0.18	46389.	1066.	12.05	0.0230	76.	60.	0.00
MILE	23.10	794.39	8581.	0.22	38201.	1097.	11.49	0.0230	76.	64.	0.01

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 10.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.89	6737.	4.01	1678.	333.	3.23	0.0290	76.	7.	0.32
MILE	77.70	821.31	6812.	2.90	2352.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.43	6883.	3.01	2289.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.31	6955.	3.02	2304.	234.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.16	7026.	2.36	2979.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.52	7099.	2.76	2573.	354.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.62	7176.	2.58	2780.	411.	3.02	0.0340	76.	10.	0.17
MILE	65.10	796.57	7278.	2.44	2987.	424.	3.84	0.0320	76.	10.	0.16
MILE	63.00	795.71	7451.	1.85	4033.	389.	4.95	0.0400	76.	15.	0.10
MILE	60.90	794.85	7630.	1.56	4889.	365.	5.91	0.0450	76.	18.	0.08
MILE	58.80	794.40	5750.	0.98	5891.	359.	6.19	0.0400	-1930.	21.	0.04
MILE	57.00	794.37	5830.	0.89	6526.	401.	6.10	0.0200	68.	20.	0.04
MILE	55.00	794.35	5928.	0.90	6606.	464.	6.55	0.0200	70.	21.	0.04
MILE	53.10	794.34	6016.	0.66	9124.	571.	6.06	0.0200	72.	21.	0.03
MILE	51.00	794.33	6081.	0.62	9808.	928.	6.16	0.0200	86.	25.	0.03
MILE	48.30	794.34	6073.	0.45	13386.	1639.	4.90	0.0200	86.	25.	0.03
MILE	46.20	794.34	6059.	0.38	15841.	1835.	6.79	0.0200	76.	33.	0.02
MILE	44.10	794.35	6025.	0.21	28025.	1524.	8.10	0.0300	45.	39.	0.01
MILE	43.70	794.35	6028.	0.42	14482.	1379.	8.21	0.0300	38.	41.	0.02
MILE	42.00	794.35	6093.	0.32	19156.	1346.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.34	6431.	0.35	18357.	1368.	7.89	0.0230	90.	43.	0.02
MILE	37.00	794.33	6815.	0.21	32348.	1132.	7.34	0.0280	56.	43.	0.01
MILE	36.00	794.33	6979.	0.35	19971.	911.	8.37	0.0280	43.	45.	0.01
MILE	34.60	794.33	7219.	0.24	30310.	1240.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.33	7437.	0.12	62790.	2165.	8.17	0.0290	56.	51.	0.00
MILE	31.50	794.32	7940.	0.26	30746.	1776.	10.42	0.0250	63.	56.	0.01
MILE	30.10	794.32	8278.	0.26	32403.	893.	9.97	0.0200	45.	54.	0.01
MILE	29.00	794.32	8500.	0.24	36073.	1065.	10.83	0.0200	50.	55.	0.01
MILE	27.30	794.32	8843.	0.24	37413.	1065.	11.22	0.0230	68.	57.	0.01
MILE	25.20	794.32	9098.	0.20	46316.	1063.	12.04	0.0230	76.	60.	0.01
MILE	23.10	794.31	9412.	0.25	38125.	1094.	11.47	0.0230	76.	64.	0.01

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 11.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.89	6730.	4.01	1679.	333.	3.23	0.0290	76.	7.	0.31
MILE	77.70	821.30	6803.	2.89	2351.	316.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.42	6876.	3.00	2288.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.30	6948.	3.02	2303.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.16	7020.	2.36	2977.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.51	7093.	2.76	2571.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.61	7171.	2.58	2775.	411.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.53	7268.	2.45	2971.	422.	3.83	0.0320	76.	10.	0.16
MILE	63.00	795.68	7365.	1.83	4023.	387.	4.94	0.0400	76.	15.	0.10
MILE	60.90	794.86	7405.	1.51	4894.	365.	5.92	0.0450	76.	18.	0.07
MILE	58.80	794.45	5398.	0.91	5911.	359.	6.19	0.0400	-1930.	21.	0.04
MILE	57.00	794.43	5392.	0.82	6550.	402.	6.11	0.0200	68.	20.	0.04
MILE	55.00	794.40	5395.	0.81	6627.	465.	6.56	0.0200	70.	21.	0.04
MILE	53.10	794.38	5433.	0.59	9152.	572.	6.07	0.0200	72.	21.	0.03
MILE	51.00	794.36	5539.	0.56	9822.	929.	6.16	0.0200	86.	25.	0.03
MILE	48.30	794.33	5893.	0.44	13380.	1639.	4.90	0.0200	86.	25.	0.03
MILE	46.20	794.32	6267.	0.40	15823.	1834.	6.79	0.0200	76.	33.	0.02
MILE	44.10	794.31	6566.	0.23	27981.	1522.	8.09	0.0300	45.	39.	0.01
MILE	43.70	794.31	6613.	0.46	14461.	1377.	8.21	0.0300	38.	41.	0.02
MILE	42.00	794.29	6786.	0.36	19088.	1343.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.28	6881.	0.38	18312.	1366.	7.88	0.0230	90.	43.	0.02
MILE	37.00	794.29	6809.	0.21	32280.	1131.	7.33	0.0280	56.	43.	0.01
MILE	36.00	794.29	6763.	0.34	19940.	910.	8.37	0.0280	43.	45.	0.01
MILE	34.60	794.29	6693.	0.22	30276.	1238.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.29	6666.	0.11	62702.	2162.	8.16	0.0290	56.	51.	0.00
MILE	31.50	794.29	6689.	0.22	30722.	1774.	10.41	0.0250	63.	55.	0.01
MILE	30.10	794.30	6592.	0.20	32379.	892.	9.96	0.0200	45.	53.	0.01
MILE	29.00	794.30	6535.	0.18	36055.	1065.	10.83	0.0200	50.	55.	0.01
MILE	27.30	794.31	6482.	0.17	37405.	1065.	11.22	0.0230	68.	57.	0.01
MILE	25.20	794.31	6598.	0.14	46309.	1063.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.32	6562.	0.17	38134.	1095.	11.48	0.0230	76.	64.	0.01

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 12.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.90	6726.	4.00	1681.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.30	6798.	2.89	2350.	315.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.42	6870.	3.00	2287.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.30	6944.	3.02	2302.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.15	7019.	2.36	2976.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.51	7098.	2.76	2571.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.61	7178.	2.59	2776.	411.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.54	7253.	2.44	2974.	423.	3.83	0.0320	76.	10.	0.16

MILE	63.00	795.69	7325.	1.82	4027.	388.	4.94	0.0400	76.	15.	0.10
MILE	60.90	794.86	7452.	1.52	4894.	365.	5.92	0.0450	76.	18.	0.07
MILE	58.80	794.42	5634.	0.96	5899.	359.	6.19	0.0400	-1930.	21.	0.04
MILE	57.00	794.39	5780.	0.88	6533.	402.	6.10	0.0200	68.	20.	0.04
MILE	55.00	794.36	5926.	0.90	6610.	464.	6.55	0.0200	70.	21.	0.04
MILE	53.10	794.34	6032.	0.66	9126.	571.	6.06	0.0200	72.	21.	0.03
MILE	51.00	794.33	6099.	0.62	9805.	928.	6.16	0.0200	86.	25.	0.03
MILE	48.30	794.33	5982.	0.45	13374.	1639.	4.90	0.0200	86.	25.	0.03
MILE	46.20	794.32	5792.	0.37	15828.	1834.	6.79	0.0200	76.	33.	0.02
MILE	44.10	794.33	5679.	0.20	28002.	1523.	8.10	0.0300	45.	39.	0.01
MILE	43.70	794.33	5664.	0.39	14472.	1378.	8.21	0.0300	38.	41.	0.02
MILE	42.00	794.33	5594.	0.29	19133.	1345.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.33	5431.	0.30	18349.	1368.	7.89	0.0230	90.	43.	0.01
MILE	37.00	794.33	5540.	0.17	32348.	1132.	7.34	0.0280	56.	43.	0.01
MILE	36.00	794.33	5548.	0.28	19973.	911.	8.37	0.0280	43.	45.	0.01
MILE	34.60	794.33	5519.	0.18	30313.	1240.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.33	5524.	0.09	62798.	2165.	8.17	0.0290	56.	51.	0.00
MILE	31.50	794.33	5610.	0.18	30753.	1777.	10.42	0.0250	63.	56.	0.01
MILE	30.10	794.33	5558.	0.17	32413.	893.	9.97	0.0200	45.	54.	0.01
MILE	29.00	794.33	5574.	0.15	36083.	1066.	10.83	0.0200	50.	55.	0.00
MILE	27.30	794.33	5676.	0.15	37424.	1066.	11.22	0.0230	68.	57.	0.00
MILE	25.20	794.32	5774.	0.12	46323.	1064.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.32	5871.	0.15	38134.	1095.	11.48	0.0230	76.	64.	0.00

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 13.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.90	6727.	4.00	1682.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.30	6801.	2.89	2351.	316.	3.67	0.0400	76.	11.	0.19
MILE	75.60	815.42	6874.	3.01	2287.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.30	6948.	3.02	2302.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.16	7024.	2.36	2977.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.52	7099.	2.76	2572.	353.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.61	7173.	2.58	2775.	411.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.52	7257.	2.45	2967.	422.	3.83	0.0320	76.	10.	0.16
MILE	63.00	795.66	7353.	1.83	4018.	387.	4.94	0.0400	76.	15.	0.10
MILE	60.90	794.85	7399.	1.51	4889.	365.	5.91	0.0450	76.	18.	0.07
MILE	58.80	794.44	5382.	0.91	5905.	359.	6.19	0.0400	-1930.	21.	0.04
MILE	57.00	794.41	5370.	0.82	6543.	402.	6.11	0.0200	68.	20.	0.04
MILE	55.00	794.39	5360.	0.81	6623.	464.	6.56	0.0200	70.	21.	0.04
MILE	53.10	794.38	5345.	0.58	9151.	572.	6.07	0.0200	72.	21.	0.03
MILE	51.00	794.37	5298.	0.54	9828.	929.	6.16	0.0200	86.	25.	0.03
MILE	48.30	794.36	5242.	0.39	13416.	1641.	4.90	0.0200	86.	25.	0.02
MILE	46.20	794.36	5309.	0.33	15858.	1836.	6.79	0.0200	76.	33.	0.02
MILE	44.10	794.35	5306.	0.19	28034.	1525.	8.10	0.0300	45.	39.	0.01
MILE	43.70	794.35	5314.	0.37	14485.	1380.	8.21	0.0300	38.	41.	0.02

MILE	42.00	794.34	5396.	0.28	19151.	1346.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.33	5668.	0.31	18349.	1368.	7.89	0.0230	90.	43.	0.01
MILE	37.00	794.32	5818.	0.18	32333.	1132.	7.34	0.0280	56.	43.	0.01
MILE	36.00	794.32	5874.	0.29	19963.	911.	8.37	0.0280	43.	45.	0.01
MILE	34.60	794.31	5945.	0.20	30299.	1239.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.31	6020.	0.10	62758.	2164.	8.17	0.0290	56.	51.	0.00
MILE	31.50	794.31	6243.	0.20	30737.	1775.	10.41	0.0250	63.	56.	0.01
MILE	30.10	794.31	6391.	0.20	32388.	892.	9.96	0.0200	45.	54.	0.01
MILE	29.00	794.30	6467.	0.18	36058.	1065.	10.83	0.0200	50.	55.	0.01
MILE	27.30	794.30	6572.	0.18	37402.	1065.	11.22	0.0230	68.	57.	0.01
MILE	25.20	794.30	6794.	0.15	46304.	1063.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.30	6921.	0.18	38115.	1094.	11.47	0.0230	76.	64.	0.01

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TIME 14.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.90	6731.	4.00	1683.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.30	6807.	2.89	2352.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.43	6881.	3.01	2289.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.30	6954.	3.02	2303.	234.	4.00	0.0330	76.	12.	0.17
MILE	71.40	809.16	7027.	2.36	2978.	296.	3.75	0.0400	76.	11.	0.13
MILE	69.30	805.52	7102.	2.76	2572.	354.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.61	7179.	2.59	2776.	411.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.53	7250.	2.44	2972.	423.	3.83	0.0320	76.	10.	0.16
MILE	63.00	795.70	7285.	1.81	4029.	388.	4.95	0.0400	76.	15.	0.10
MILE	60.90	794.90	7315.	1.49	4907.	366.	5.93	0.0450	76.	18.	0.07
MILE	58.80	794.49	5380.	0.91	5926.	360.	6.20	0.0400	-1930.	21.	0.04
MILE	57.00	794.46	5444.	0.83	6564.	403.	6.12	0.0200	68.	20.	0.04
MILE	55.00	794.43	5513.	0.83	6637.	465.	6.56	0.0200	70.	21.	0.04
MILE	53.10	794.41	5593.	0.61	9166.	572.	6.07	0.0200	72.	21.	0.03
MILE	51.00	794.38	5720.	0.58	9833.	930.	6.17	0.0200	86.	25.	0.03
MILE	48.30	794.36	5963.	0.44	13411.	1640.	4.90	0.0200	86.	25.	0.03
MILE	46.20	794.35	6031.	0.38	15849.	1836.	6.79	0.0200	76.	33.	0.02
MILE	44.10	794.34	6209.	0.22	28019.	1524.	8.10	0.0300	45.	39.	0.01
MILE	43.70	794.34	6241.	0.43	14478.	1379.	8.21	0.0300	38.	41.	0.02
MILE	42.00	794.33	6372.	0.33	19129.	1345.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.30	6561.	0.36	18330.	1367.	7.88	0.0230	90.	43.	0.02
MILE	37.00	794.30	6687.	0.21	32304.	1131.	7.33	0.0280	56.	43.	0.01
MILE	36.00	794.30	6785.	0.34	19947.	910.	8.37	0.0280	43.	45.	0.01
MILE	34.60	794.29	6972.	0.23	30274.	1238.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.29	7104.	0.11	62690.	2162.	8.16	0.0290	56.	51.	0.00
MILE	31.50	794.29	7309.	0.24	30717.	1774.	10.41	0.0250	63.	55.	0.01
MILE	30.10	794.28	7460.	0.23	32363.	892.	9.96	0.0200	45.	53.	0.01
MILE	29.00	794.28	7567.	0.21	36032.	1064.	10.82	0.0200	50.	55.	0.01
MILE	27.30	794.28	7721.	0.21	37374.	1064.	11.21	0.0230	68.	57.	0.01
MILE	25.20	794.27	7796.	0.17	46270.	1062.	12.04	0.0230	76.	60.	0.00

MILE	23.10	794.27	8021.	0.21	38087.	1093.	11.47	0.0230	76.	64.	0.01

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 15.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.92	6768.	4.01	1688.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.32	6840.	2.90	2359.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.44	6903.	3.01	2292.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.31	6968.	3.02	2305.	234.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.16	7038.	2.36	2980.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.52	7112.	2.76	2574.	354.	3.21	0.0340	76.	7.	0.18
MILE	67.20	800.61	7184.	2.59	2778.	411.	3.02	0.0340	76.	10.	0.18
MILE	65.10	796.55	7251.	2.44	2977.	423.	3.84	0.0320	76.	10.	0.16
MILE	63.00	795.70	7332.	1.82	4031.	389.	4.95	0.0400	76.	15.	0.10
MILE	60.90	794.88	7445.	1.52	4900.	366.	5.92	0.0450	76.	18.	0.07
MILE	58.80	794.45	5564.	0.94	5910.	359.	6.19	0.0400	-1930.	21.	0.04
MILE	57.00	794.42	5664.	0.87	6546.	402.	6.11	0.0200	68.	20.	0.04
MILE	55.00	794.39	5790.	0.87	6622.	464.	6.56	0.0200	70.	21.	0.04
MILE	53.10	794.37	5926.	0.65	9144.	572.	6.06	0.0200	72.	21.	0.03
MILE	51.00	794.35	6101.	0.62	9817.	929.	6.16	0.0200	86.	25.	0.03
MILE	48.30	794.33	6373.	0.48	13380.	1639.	4.90	0.0200	86.	25.	0.03
MILE	46.20	794.32	6752.	0.43	15824.	1834.	6.79	0.0200	76.	33.	0.03
MILE	44.10	794.32	7020.	0.25	27987.	1523.	8.09	0.0300	45.	39.	0.01
MILE	43.70	794.31	7063.	0.49	14464.	1378.	8.21	0.0300	38.	41.	0.03
MILE	42.00	794.30	7234.	0.38	19095.	1344.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.27	7569.	0.41	18306.	1365.	7.88	0.0230	90.	43.	0.02
MILE	37.00	794.27	7781.	0.24	32250.	1130.	7.32	0.0280	56.	43.	0.01
MILE	36.00	794.26	7895.	0.40	19920.	909.	8.36	0.0280	43.	45.	0.01
MILE	34.60	794.26	8066.	0.27	30244.	1237.	9.66	0.0280	43.	46.	0.01
MILE	33.60	794.26	8171.	0.13	62612.	2160.	8.16	0.0290	56.	51.	0.00
MILE	31.50	794.25	8343.	0.27	30688.	1772.	10.41	0.0250	63.	55.	0.01
MILE	30.10	794.25	8568.	0.27	32332.	891.	9.95	0.0200	45.	53.	0.01
MILE	29.00	794.25	8681.	0.24	36004.	1063.	10.82	0.0200	50.	55.	0.01
MILE	27.30	794.25	8792.	0.24	37346.	1063.	11.21	0.0230	68.	57.	0.01
MILE	25.20	794.25	8919.	0.19	46240.	1061.	12.03	0.0230	76.	60.	0.01
MILE	23.10	794.24	9094.	0.24	38058.	1092.	11.46	0.0230	76.	64.	0.01

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 16.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6746.	4.01	1684.	334.	3.24	0.0290	76.	7.	0.31

MILE	77.70	821.32	6825.	2.90	2357.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.45	6907.	3.01	2295.	281.	4.05	0.0400	76.	9.	0.19
MILE	73.50	811.32	6983.	3.02	2309.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.17	7054.	2.36	2984.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.53	7122.	2.76	2577.	354.	3.22	0.0340	76.	7.	0.18
MILE	67.20	800.61	7188.	2.59	2779.	411.	3.02	0.0340	76.	10.	0.18
MILE	65.10	796.54	7262.	2.44	2972.	423.	3.83	0.0320	76.	10.	0.16
MILE	63.00	795.68	7363.	1.83	4023.	387.	4.94	0.0400	76.	15.	0.10
MILE	60.90	794.84	7481.	1.53	4887.	365.	5.91	0.0450	76.	18.	0.07
MILE	58.80	794.40	5620.	0.95	5892.	359.	6.19	0.0400	-1930.	21.	0.04
MILE	57.00	794.37	5745.	0.88	6525.	401.	6.10	0.0200	68.	20.	0.04
MILE	55.00	794.34	5887.	0.89	6602.	464.	6.55	0.0200	70.	21.	0.04
MILE	53.10	794.32	6025.	0.66	9112.	571.	6.05	0.0200	72.	21.	0.03
MILE	51.00	794.30	6214.	0.63	9790.	927.	6.15	0.0200	86.	25.	0.03
MILE	48.30	794.28	6605.	0.50	13318.	1636.	4.91	0.0200	86.	25.	0.03
MILE	46.20	794.27	6955.	0.44	15779.	1831.	6.78	0.0200	76.	32.	0.03
MILE	44.10	794.27	7315.	0.26	27928.	1520.	8.09	0.0300	45.	39.	0.01
MILE	43.70	794.26	7374.	0.51	14437.	1375.	8.21	0.0300	38.	41.	0.03
MILE	42.00	794.25	7606.	0.40	19036.	1342.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.23	7914.	0.43	18272.	1363.	7.88	0.0230	90.	43.	0.02
MILE	37.00	794.23	8020.	0.25	32196.	1129.	7.32	0.0280	56.	43.	0.01
MILE	36.00	794.23	8067.	0.41	19896.	908.	8.36	0.0280	43.	45.	0.02
MILE	34.60	794.23	8144.	0.27	30219.	1236.	9.66	0.0280	43.	46.	0.01
MILE	33.60	794.23	8218.	0.13	62548.	2158.	8.15	0.0290	56.	51.	0.00
MILE	31.50	794.23	8377.	0.27	30668.	1771.	10.40	0.0250	63.	55.	0.01
MILE	30.10	794.23	8403.	0.26	32312.	890.	9.95	0.0200	45.	53.	0.01
MILE	29.00	794.23	8443.	0.23	35988.	1062.	10.82	0.0200	50.	55.	0.01
MILE	27.30	794.24	8537.	0.23	37336.	1063.	11.21	0.0230	68.	57.	0.01
MILE	25.20	794.24	8621.	0.19	46229.	1061.	12.03	0.0230	76.	60.	0.00
MILE	23.10	794.24	8712.	0.23	38058.	1092.	11.46	0.0230	76.	64.	0.01

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 17.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.90	6745.	4.01	1683.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.32	6822.	2.90	2356.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.44	6900.	3.01	2294.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.32	6977.	3.02	2308.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.17	7052.	2.36	2984.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.53	7126.	2.76	2578.	354.	3.22	0.0340	76.	7.	0.18
MILE	67.20	800.62	7197.	2.59	2780.	411.	3.02	0.0340	76.	10.	0.18
MILE	65.10	796.52	7274.	2.45	2965.	422.	3.83	0.0320	76.	10.	0.16
MILE	63.00	795.65	7385.	1.84	4011.	386.	4.94	0.0400	76.	15.	0.10
MILE	60.90	794.79	7516.	1.54	4871.	365.	5.90	0.0450	76.	18.	0.07
MILE	58.80	794.35	5657.	0.96	5871.	358.	6.18	0.0400	-1930.	21.	0.04
MILE	57.00	794.31	5771.	0.89	6501.	401.	6.09	0.0200	68.	20.	0.04

MILE	55.00	794.28	5901.	0.90	6582.	463.	6.54	0.0200	70.	21.	0.04
MILE	53.10	794.27	6031.	0.66	9080.	570.	6.04	0.0200	72.	21.	0.03
MILE	51.00	794.25	6189.	0.63	9765.	925.	6.15	0.0200	86.	25.	0.03
MILE	48.30	794.24	6375.	0.48	13274.	1634.	4.91	0.0200	86.	25.	0.03
MILE	46.20	794.23	6532.	0.41	15749.	1829.	6.77	0.0200	76.	32.	0.02
MILE	44.10	794.24	6696.	0.24	27893.	1519.	8.08	0.0300	45.	39.	0.01
MILE	43.70	794.23	6721.	0.47	14423.	1374.	8.22	0.0300	38.	41.	0.03
MILE	42.00	794.23	6798.	0.36	19012.	1341.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.23	6777.	0.37	18269.	1363.	7.88	0.0230	90.	43.	0.02
MILE	37.00	794.24	6772.	0.21	32199.	1129.	7.32	0.0280	56.	43.	0.01
MILE	36.00	794.24	6750.	0.34	19900.	908.	8.36	0.0280	43.	45.	0.01
MILE	34.60	794.24	6691.	0.22	30226.	1236.	9.66	0.0280	43.	46.	0.01
MILE	33.60	794.24	6644.	0.11	62570.	2159.	8.15	0.0290	56.	51.	0.00
MILE	31.50	794.25	6577.	0.21	30679.	1772.	10.41	0.0250	63.	55.	0.01
MILE	30.10	794.25	6491.	0.20	32333.	891.	9.95	0.0200	45.	53.	0.01
MILE	29.00	794.26	6446.	0.18	36011.	1063.	10.82	0.0200	50.	55.	0.01
MILE	27.30	794.26	6389.	0.17	37357.	1063.	11.21	0.0230	68.	57.	0.01
MILE	25.20	794.26	6404.	0.14	46259.	1061.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.27	6352.	0.17	38087.	1093.	11.47	0.0230	76.	64.	0.00

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 18.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6745.	4.01	1683.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.31	6820.	2.90	2355.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.44	6895.	3.01	2292.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.32	6970.	3.02	2307.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.17	7045.	2.36	2982.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.53	7120.	2.76	2577.	354.	3.22	0.0340	76.	7.	0.18
MILE	67.20	800.61	7196.	2.59	2779.	411.	3.02	0.0340	76.	10.	0.18
MILE	65.10	796.50	7281.	2.46	2956.	421.	3.82	0.0320	76.	9.	0.16
MILE	63.00	795.62	7387.	1.85	4001.	385.	4.93	0.0400	76.	15.	0.10
MILE	60.90	794.77	7479.	1.54	4862.	364.	5.90	0.0450	76.	18.	0.07
MILE	58.80	794.33	5545.	0.95	5865.	358.	6.18	0.0400	-1930.	21.	0.04
MILE	57.00	794.30	5599.	0.86	6496.	400.	6.08	0.0200	68.	20.	0.04
MILE	55.00	794.28	5657.	0.86	6580.	463.	6.54	0.0200	70.	21.	0.04
MILE	53.10	794.27	5691.	0.63	9080.	570.	6.04	0.0200	72.	21.	0.03
MILE	51.00	794.26	5677.	0.58	9768.	926.	6.15	0.0200	86.	25.	0.03
MILE	48.30	794.25	5516.	0.41	13292.	1635.	4.91	0.0200	86.	25.	0.03
MILE	46.20	794.26	5365.	0.34	15768.	1830.	6.78	0.0200	76.	32.	0.02
MILE	44.10	794.26	5170.	0.19	27923.	1520.	8.09	0.0300	45.	39.	0.01
MILE	43.70	794.26	5143.	0.36	14437.	1375.	8.21	0.0300	38.	41.	0.02
MILE	42.00	794.26	5037.	0.26	19053.	1342.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.27	4874.	0.27	18302.	1365.	7.88	0.0230	90.	43.	0.01
MILE	37.00	794.27	4827.	0.15	32257.	1130.	7.33	0.0280	56.	43.	0.00
MILE	36.00	794.27	4791.	0.24	19930.	910.	8.36	0.0280	43.	45.	0.01

MILE	34.60	794.28	4715.	0.16	30265.	1238.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.28	4651.	0.07	62675.	2162.	8.16	0.0290	56.	51.	0.00
MILE	31.50	794.28	4546.	0.15	30714.	1774.	10.41	0.0250	63.	55.	0.01
MILE	30.10	794.29	4466.	0.14	32368.	892.	9.96	0.0200	45.	53.	0.00
MILE	29.00	794.29	4437.	0.12	36042.	1064.	10.83	0.0200	50.	55.	0.00
MILE	27.30	794.29	4413.	0.12	37393.	1065.	11.22	0.0230	68.	57.	0.00
MILE	25.20	794.30	4418.	0.10	46296.	1063.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.30	4394.	0.12	38115.	1094.	11.47	0.0230	76.	64.	0.00

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 19.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6745.	4.00	1684.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.31	6819.	2.90	2355.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.44	6892.	3.01	2292.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.31	6966.	3.02	2306.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.17	7041.	2.36	2981.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.52	7117.	2.76	2576.	354.	3.22	0.0340	76.	7.	0.18
MILE	67.20	800.61	7196.	2.59	2778.	411.	3.01	0.0340	76.	10.	0.18
MILE	65.10	796.49	7277.	2.46	2954.	421.	3.82	0.0320	76.	9.	0.16
MILE	63.00	795.63	7338.	1.83	4003.	385.	4.93	0.0400	76.	15.	0.10
MILE	60.90	794.80	7353.	1.51	4875.	365.	5.90	0.0450	76.	18.	0.07
MILE	58.80	794.39	5334.	0.91	5889.	359.	6.18	0.0400	-1930.	21.	0.04
MILE	57.00	794.37	5312.	0.81	6525.	401.	6.10	0.0200	68.	20.	0.04
MILE	55.00	794.35	5272.	0.80	6607.	464.	6.55	0.0200	70.	21.	0.04
MILE	53.10	794.34	5214.	0.57	9125.	571.	6.06	0.0200	72.	21.	0.03
MILE	51.00	794.33	5099.	0.52	9805.	928.	6.16	0.0200	86.	25.	0.03
MILE	48.30	794.32	4839.	0.36	13369.	1638.	4.90	0.0200	86.	25.	0.02
MILE	46.20	794.32	4485.	0.28	15826.	1834.	6.79	0.0200	76.	33.	0.02
MILE	44.10	794.32	4209.	0.15	27995.	1523.	8.10	0.0300	45.	39.	0.01
MILE	43.70	794.32	4170.	0.29	14469.	1378.	8.21	0.0300	38.	41.	0.02
MILE	42.00	794.32	4028.	0.21	19121.	1345.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.32	3761.	0.21	18343.	1367.	7.89	0.0230	90.	43.	0.01
MILE	37.00	794.32	3541.	0.11	32341.	1132.	7.34	0.0280	56.	43.	0.00
MILE	36.00	794.32	3485.	0.17	19970.	911.	8.37	0.0280	43.	45.	0.01
MILE	34.60	794.33	3433.	0.11	30310.	1240.	9.67	0.0280	43.	46.	0.00
MILE	33.60	794.33	3345.	0.05	62792.	2165.	8.17	0.0290	56.	51.	0.00
MILE	31.50	794.33	3076.	0.10	30755.	1777.	10.42	0.0250	63.	56.	0.00
MILE	30.10	794.33	2993.	0.09	32415.	893.	9.97	0.0200	45.	54.	0.00
MILE	29.00	794.33	2953.	0.08	36085.	1066.	10.83	0.0200	50.	55.	0.00
MILE	27.30	794.33	2869.	0.08	37429.	1066.	11.22	0.0230	68.	57.	0.00
MILE	25.20	794.34	2788.	0.06	46340.	1064.	12.05	0.0230	76.	60.	0.00
MILE	23.10	794.34	2757.	0.07	38153.	1096.	11.48	0.0230	76.	64.	0.00

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 20.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6745.	4.00	1685.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.31	6819.	2.90	2355.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.44	6893.	3.01	2292.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.31	6967.	3.02	2306.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.17	7044.	2.36	2981.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.52	7122.	2.76	2576.	354.	3.22	0.0340	76.	7.	0.18
MILE	67.20	800.61	7202.	2.59	2780.	411.	3.02	0.0340	76.	10.	0.18
MILE	65.10	796.52	7269.	2.45	2965.	422.	3.83	0.0320	76.	10.	0.16
MILE	63.00	795.67	7284.	1.81	4021.	387.	4.94	0.0400	76.	15.	0.10
MILE	60.90	794.88	7275.	1.48	4901.	366.	5.92	0.0450	76.	18.	0.07
MILE	58.80	794.49	5254.	0.89	5923.	360.	6.20	0.0400	-1930.	21.	0.04
MILE	57.00	794.46	5235.	0.80	6564.	403.	6.12	0.0200	68.	20.	0.03
MILE	55.00	794.44	5203.	0.78	6640.	465.	6.56	0.0200	70.	21.	0.04
MILE	53.10	794.42	5158.	0.56	9177.	573.	6.07	0.0200	72.	21.	0.02
MILE	51.00	794.41	5042.	0.51	9848.	931.	6.17	0.0200	86.	25.	0.03
MILE	48.30	794.40	4672.	0.35	13465.	1643.	4.90	0.0200	86.	25.	0.02
MILE	46.20	794.40	4299.	0.27	15896.	1839.	6.80	0.0200	76.	33.	0.02
MILE	44.10	794.40	3947.	0.14	28088.	1527.	8.11	0.0300	45.	39.	0.01
MILE	43.70	794.40	3897.	0.27	14510.	1382.	8.20	0.0300	38.	41.	0.01
MILE	42.00	794.39	3720.	0.19	19214.	1348.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.38	3571.	0.19	18395.	1370.	7.89	0.0230	90.	43.	0.01
MILE	37.00	794.38	3584.	0.11	32423.	1134.	7.35	0.0280	56.	43.	0.00
MILE	36.00	794.37	3625.	0.18	20009.	913.	8.37	0.0280	43.	45.	0.01
MILE	34.60	794.37	3697.	0.12	30352.	1242.	9.68	0.0280	43.	46.	0.00
MILE	33.60	794.37	3704.	0.06	62899.	2168.	8.18	0.0290	56.	51.	0.00
MILE	31.50	794.36	3630.	0.12	30786.	1779.	10.42	0.0250	63.	56.	0.00
MILE	30.10	794.36	3725.	0.11	32443.	894.	9.97	0.0200	45.	54.	0.00
MILE	29.00	794.35	3786.	0.10	36108.	1067.	10.84	0.0200	50.	55.	0.00
MILE	27.30	794.35	3839.	0.10	37450.	1067.	11.23	0.0230	68.	57.	0.00
MILE	25.20	794.35	3864.	0.08	46350.	1064.	12.05	0.0230	76.	60.	0.00
MILE	23.10	794.34	3950.	0.10	38153.	1096.	11.48	0.0230	76.	64.	0.00

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 21.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6745.	4.00	1685.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.31	6821.	2.90	2356.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.44	6897.	3.01	2292.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.32	6974.	3.02	2307.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.17	7052.	2.36	2983.	296.	3.76	0.0400	76.	11.	0.13

MILE	69.30	805.53	7130.	2.77	2578.	354.	3.22	0.0340	76.	7.	0.18
MILE	67.20	800.62	7207.	2.59	2783.	412.	3.02	0.0340	76.	10.	0.18
MILE	65.10	796.56	7266.	2.44	2981.	424.	3.84	0.0320	76.	10.	0.16
MILE	63.00	795.73	7274.	1.80	4042.	390.	4.95	0.0400	76.	15.	0.10
MILE	60.90	794.95	7257.	1.47	4925.	366.	5.94	0.0450	76.	18.	0.07
MILE	58.80	794.57	5232.	0.88	5954.	361.	6.21	0.0400	-1930.	21.	0.04
MILE	57.00	794.54	5225.	0.79	6599.	404.	6.13	0.0200	68.	20.	0.03
MILE	55.00	794.51	5217.	0.78	6670.	466.	6.57	0.0200	70.	21.	0.04
MILE	53.10	794.50	5211.	0.57	9222.	574.	6.09	0.0200	72.	21.	0.02
MILE	51.00	794.48	5204.	0.53	9882.	933.	6.18	0.0200	86.	25.	0.03
MILE	48.30	794.45	5264.	0.39	13524.	1646.	4.90	0.0200	86.	26.	0.02
MILE	46.20	794.44	5282.	0.33	15934.	1841.	6.81	0.0200	76.	33.	0.02
MILE	44.10	794.43	5307.	0.19	28130.	1529.	8.11	0.0300	45.	39.	0.01
MILE	43.70	794.43	5318.	0.37	14528.	1383.	8.20	0.0300	38.	41.	0.02
MILE	42.00	794.41	5401.	0.28	19240.	1349.	6.16	0.0300	83.	44.	0.01
MILE	39.10	794.38	5718.	0.31	18396.	1370.	7.89	0.0230	90.	43.	0.01
MILE	37.00	794.37	5933.	0.18	32411.	1134.	7.35	0.0280	56.	43.	0.01
MILE	36.00	794.36	6033.	0.30	19999.	912.	8.37	0.0280	43.	45.	0.01
MILE	34.60	794.35	6195.	0.20	30337.	1241.	9.68	0.0280	43.	46.	0.01
MILE	33.60	794.35	6344.	0.10	62853.	2167.	8.17	0.0290	56.	51.	0.00
MILE	31.50	794.34	6676.	0.22	30764.	1777.	10.42	0.0250	63.	56.	0.01
MILE	30.10	794.33	6851.	0.21	32416.	893.	9.97	0.0200	45.	54.	0.01
MILE	29.00	794.33	6978.	0.19	36081.	1066.	10.83	0.0200	50.	55.	0.01
MILE	27.30	794.32	7203.	0.19	37415.	1065.	11.22	0.0230	68.	57.	0.01
MILE	25.20	794.31	7424.	0.16	46309.	1063.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.30	7647.	0.20	38115.	1094.	11.47	0.0230	76.	64.	0.01

0DATE 5-17-03 (May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 22.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.91	6745.	4.00	1684.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.32	6823.	2.90	2356.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.44	6902.	3.01	2293.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.32	6981.	3.02	2309.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.18	7059.	2.36	2985.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.53	7136.	2.77	2580.	354.	3.22	0.0340	76.	7.	0.18
MILE	67.20	800.63	7211.	2.59	2787.	412.	3.02	0.0340	76.	10.	0.18
MILE	65.10	796.60	7267.	2.42	2997.	425.	3.85	0.0320	76.	10.	0.16
MILE	63.00	795.77	7299.	1.80	4057.	392.	4.96	0.0400	76.	15.	0.10
MILE	60.90	794.98	7369.	1.49	4935.	367.	5.95	0.0450	76.	18.	0.07
MILE	58.80	794.57	5487.	0.92	5955.	361.	6.21	0.0400	-1930.	21.	0.04
MILE	57.00	794.54	5592.	0.85	6597.	404.	6.13	0.0200	68.	20.	0.04
MILE	55.00	794.50	5718.	0.86	6665.	466.	6.57	0.0200	70.	21.	0.04
MILE	53.10	794.48	5871.	0.64	9210.	574.	6.08	0.0200	72.	21.	0.03
MILE	51.00	794.45	6123.	0.62	9867.	932.	6.18	0.0200	86.	25.	0.03
MILE	48.30	794.42	6630.	0.49	13479.	1644.	4.90	0.0200	86.	25.	0.03

MILE	46.20	794.40	7080.	0.45	15896.	1839.	6.80	0.0200	76.	33.	0.03
MILE	44.10	794.39	7537.	0.27	28076.	1526.	8.11	0.0300	45.	39.	0.01
MILE	43.70	794.38	7607.	0.52	14503.	1381.	8.21	0.0300	38.	41.	0.03
MILE	42.00	794.36	7866.	0.41	19178.	1347.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.34	8141.	0.44	18357.	1368.	7.89	0.0230	90.	43.	0.02
MILE	37.00	794.34	8211.	0.25	32358.	1132.	7.34	0.0280	56.	43.	0.01
MILE	36.00	794.33	8226.	0.41	19975.	911.	8.37	0.0280	43.	45.	0.02
MILE	34.60	794.33	8236.	0.27	30312.	1240.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.33	8259.	0.13	62793.	2165.	8.17	0.0290	56.	51.	0.00
MILE	31.50	794.32	8359.	0.27	30750.	1776.	10.42	0.0250	63.	56.	0.01
MILE	30.10	794.32	8365.	0.26	32406.	893.	9.97	0.0200	45.	54.	0.01
MILE	29.00	794.32	8359.	0.23	36076.	1066.	10.83	0.0200	50.	55.	0.01
MILE	27.30	794.32	8335.	0.22	37418.	1066.	11.22	0.0230	68.	57.	0.01
MILE	25.20	794.32	8371.	0.18	46318.	1063.	12.04	0.0230	76.	60.	0.00
MILE	23.10	794.32	8332.	0.22	38134.	1095.	11.48	0.0230	76.	64.	0.01

0DATE 5-17-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 23.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.90	6745.	4.01	1683.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.32	6824.	2.90	2356.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.44	6904.	3.01	2294.	281.	4.05	0.0400	76.	9.	0.19
MILE	73.50	811.33	6983.	3.02	2309.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.18	7060.	2.36	2986.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.53	7135.	2.77	2580.	354.	3.22	0.0340	76.	7.	0.18
MILE	67.20	800.63	7206.	2.58	2788.	412.	3.02	0.0340	76.	10.	0.18
MILE	65.10	796.60	7278.	2.43	2998.	425.	3.85	0.0320	76.	10.	0.16
MILE	63.00	795.75	7390.	1.82	4050.	391.	4.96	0.0400	76.	15.	0.10
MILE	60.90	794.92	7561.	1.54	4912.	366.	5.93	0.0450	76.	18.	0.07
MILE	58.80	794.47	5767.	0.97	5916.	359.	6.19	0.0400	-1930.	21.	0.04
MILE	57.00	794.43	5944.	0.91	6551.	402.	6.11	0.0200	68.	20.	0.04
MILE	55.00	794.40	6150.	0.93	6625.	465.	6.56	0.0200	70.	21.	0.04
MILE	53.10	794.38	6345.	0.69	9149.	572.	6.06	0.0200	72.	21.	0.03
MILE	51.00	794.36	6568.	0.67	9823.	929.	6.16	0.0200	86.	25.	0.04
MILE	48.30	794.35	6820.	0.51	13404.	1640.	4.90	0.0200	86.	25.	0.03
MILE	46.20	794.35	7126.	0.45	15848.	1835.	6.79	0.0200	76.	33.	0.03
MILE	44.10	794.35	7362.	0.26	28028.	1524.	8.10	0.0300	45.	39.	0.01
MILE	43.70	794.35	7397.	0.51	14482.	1379.	8.21	0.0300	38.	41.	0.03
MILE	42.00	794.34	7508.	0.39	19148.	1346.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.33	7694.	0.42	18352.	1368.	7.89	0.0230	90.	43.	0.02
MILE	37.00	794.33	7937.	0.25	32346.	1132.	7.34	0.0280	56.	43.	0.01
MILE	36.00	794.33	8003.	0.40	19971.	911.	8.37	0.0280	43.	45.	0.02
MILE	34.60	794.33	8048.	0.27	30313.	1240.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.33	8092.	0.13	62801.	2165.	8.17	0.0290	56.	51.	0.00
MILE	31.50	794.33	8216.	0.27	30753.	1777.	10.42	0.0250	63.	56.	0.01
MILE	30.10	794.33	8222.	0.25	32413.	893.	9.97	0.0200	45.	54.	0.01

MILE	29.00	794.33	8254.	0.23	36084.	1066.	10.83	0.0200	50.	55.	0.01
MILE	27.30	794.33	8338.	0.22	37430.	1066.	11.22	0.0230	68.	57.	0.01
MILE	25.20	794.33	8410.	0.18	46334.	1064.	12.05	0.0230	76.	60.	0.00
MILE	23.10	794.33	8493.	0.22	38144.	1095.	11.48	0.0230	76.	64.	0.01

0DATE 5-18-03 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

TIME 0.0000 ELEVATION DISCHARGE VELOCITY AREA WIDTH R(2/3) MANN N LOCAL INFLOW DEPTH FROUDE

MILE	79.80	825.90	6745.	4.01	1681.	334.	3.24	0.0290	76.	7.	0.31
MILE	77.70	821.31	6823.	2.90	2355.	316.	3.68	0.0400	76.	11.	0.19
MILE	75.60	815.44	6901.	3.01	2294.	281.	4.04	0.0400	76.	9.	0.19
MILE	73.50	811.32	6978.	3.02	2309.	235.	4.01	0.0330	76.	12.	0.17
MILE	71.40	809.18	7053.	2.36	2985.	296.	3.76	0.0400	76.	11.	0.13
MILE	69.30	805.53	7125.	2.76	2578.	354.	3.22	0.0340	76.	7.	0.18
MILE	67.20	800.62	7198.	2.59	2784.	412.	3.02	0.0340	76.	10.	0.18
MILE	65.10	796.56	7289.	2.44	2983.	424.	3.84	0.0320	76.	10.	0.16
MILE	63.00	795.70	7423.	1.84	4030.	388.	4.95	0.0400	76.	15.	0.10
MILE	60.90	794.85	7539.	1.54	4892.	365.	5.92	0.0450	76.	18.	0.07
MILE	58.80	794.42	5625.	0.95	5898.	359.	6.19	0.0400	-1930.	21.	0.04
MILE	57.00	794.39	5698.	0.87	6534.	402.	6.10	0.0200	68.	20.	0.04
MILE	55.00	794.36	5780.	0.87	6612.	464.	6.55	0.0200	70.	21.	0.04
MILE	53.10	794.35	5853.	0.64	9131.	571.	6.06	0.0200	72.	21.	0.03
MILE	51.00	794.34	5945.	0.61	9809.	928.	6.16	0.0200	86.	25.	0.03
MILE	48.30	794.32	6167.	0.46	13373.	1639.	4.90	0.0200	86.	25.	0.03
MILE	46.20	794.32	6320.	0.40	15827.	1834.	6.79	0.0200	76.	33.	0.02
MILE	44.10	794.32	6456.	0.23	27998.	1523.	8.10	0.0300	45.	39.	0.01
MILE	43.70	794.32	6483.	0.45	14469.	1378.	8.21	0.0300	38.	41.	0.02
MILE	42.00	794.32	6602.	0.35	19120.	1345.	6.16	0.0300	83.	44.	0.02
MILE	39.10	794.31	6766.	0.37	18337.	1367.	7.89	0.0230	90.	43.	0.02
MILE	37.00	794.32	6718.	0.21	32333.	1132.	7.34	0.0280	56.	43.	0.01
MILE	36.00	794.32	6718.	0.34	19966.	911.	8.37	0.0280	43.	45.	0.01
MILE	34.60	794.32	6733.	0.22	30307.	1240.	9.67	0.0280	43.	46.	0.01
MILE	33.60	794.32	6733.	0.11	62787.	2165.	8.17	0.0290	56.	51.	0.00
MILE	31.50	794.33	6716.	0.22	30754.	1777.	10.42	0.0250	63.	56.	0.01
MILE	30.10	794.33	6742.	0.21	32414.	893.	9.97	0.0200	45.	54.	0.01
MILE	29.00	794.33	6750.	0.19	36086.	1066.	10.83	0.0200	50.	55.	0.01
MILE	27.30	794.34	6737.	0.18	37434.	1066.	11.22	0.0230	68.	57.	0.01
MILE	25.20	794.34	6788.	0.15	46346.	1064.	12.05	0.0230	76.	60.	0.00
MILE	23.10	794.35	6774.	0.18	38163.	1096.	11.48	0.0230	76.	64.	0.01

1 May 2003 Flood - Melton Hill - Local Inflow Hydrographs

THE COMPUTATION STARTED ON 4-29-03 AT TIME 0.00 AND TERMINATED ON 5-18-03 AT TIME 0.00

THE MAXIMUM ELEVATIONS, DISCHARGES, VELOCITIES ARE:

	EL(FT)	DAY	TIME	Q(CFS)	DAY	TIME	V(FPS)	DAY	TIME
MILE 79.80	828.29	12	16.00	12063.	12	14.01	7.04	8	12.01
MILE 77.70	824.40	12	17.20	12040.	12	16.07	3.62	12	13.72
MILE 75.60	818.83	12	18.38	12078.	12	17.35	3.71	12	14.72
MILE 73.50	814.23	12	19.11	12106.	12	18.41	3.80	12	16.28
MILE 71.40	811.66	12	19.65	12153.	12	19.13	3.03	12	18.48
MILE 69.30	807.62	12	22.90	12207.	12	19.77	3.44	12	18.70
MILE 67.20	802.81	12	23.96	12273.	12	23.00	3.12	12	17.56
MILE 65.10	798.72	13	1.81	12332.	13	0.17	3.24	12	18.40
MILE 63.00	797.30	14	6.78	12386.	13	1.93	2.70	12	23.92
MILE 60.90	795.99	15	20.66	12458.	13	1.92	2.48	12	23.73
MILE 58.80	795.44	15	20.51	10538.	13	3.26	1.85	13	3.30
MILE 57.00	795.36	15	20.45	10610.	13	3.14	1.69	13	3.18
MILE 55.00	795.25	15	20.35	10690.	13	3.09	1.69	13	3.11
MILE 53.10	795.18	15	20.68	10871.	14	7.73	1.24	13	3.18
MILE 51.00	795.11	15	20.61	11508.	15	7.08	1.17	14	7.62
MILE 48.30	795.04	15	20.40	12701.	15	6.86	0.94	15	6.87
MILE 46.20	795.01	15	21.45	13730.	15	6.59	0.86	15	6.60
MILE 44.10	795.00	15	21.32	14692.	15	6.63	0.52	15	6.89
MILE 43.70	794.99	15	21.27	14864.	15	6.83	1.03	15	6.86
MILE 42.00	794.97	15	21.18	15562.	15	6.79	0.82	15	6.80
MILE 39.10	794.91	15	21.01	16590.	15	6.63	0.91	15	6.63
MILE 37.00	794.89	15	20.86	17084.	15	6.46	0.53	15	6.46
MILE 36.00	794.87	15	20.85	17321.	15	6.41	0.87	15	6.42
MILE 34.60	794.85	15	20.74	17678.	15	6.33	0.59	15	6.33
MILE 33.60	794.84	15	22.53	17969.	15	6.31	0.29	15	6.31
MILE 31.50	794.84	15	22.38	18528.	15	6.20	0.60	15	6.20
MILE 30.10	794.84	15	22.36	18734.	15	6.17	0.58	15	6.18
MILE 29.00	794.84	15	22.36	18931.	15	6.04	0.53	15	6.04
MILE 27.30	794.84	15	22.19	19255.	15	6.03	0.52	15	6.03
MILE 25.20	794.84	15	22.27	19708.	15	5.91	0.43	15	5.91
MILE 23.10	794.84	15	22.00	20041.	15	5.88	0.53	15	5.88

31 LOCATIONS LISTED
1 DISCHARGES AT DOWNSTREAM END OF CHANNEL 1; RM = 23.10

DATE	TIME	DISCHARGE
4-29-03	0.0	5337.
	1.0	5560.
	2.0	6178.
	3.0	5576.
	4.0	3642.
	5.0	3652.
	6.0	4320.

	7.0	5486.
	8.0	6430.
	9.0	6412.
	10.0	5750.
	11.0	5091.
	12.0	4715.
	13.0	4815.
	14.0	5226.
	15.0	5583.
	16.0	5693.
	17.0	5562.
	18.0	5325.
	19.0	5161.
	20.0	5149.
	21.0	5254.
	22.0	5382.
	23.0	5450.
	24.0	5429.
4-30-03	1.0	5359.
	2.0	5294.
	3.0	5273.
	4.0	5296.
	5.0	5339.
	6.0	5369.
	7.0	5371.
	8.0	5352.
	9.0	5329.
	10.0	5317.
	11.0	5320.
	12.0	5333.
	13.0	5345.
	14.0	5349.
	15.0	5344.
	16.0	5337.
	17.0	5331.
	18.0	5331.
	19.0	5334.
	20.0	5338.
	21.0	5341.
	22.0	5340.
	23.0	5338.
	24.0	5336.
5-01-03	1.0	5335.
	2.0	5336.
	3.0	5337.
	4.0	5338.
	5.0	5338.
	6.0	5338.
	7.0	5337.
	8.0	5336.
	9.0	5336.

	10.0	5337.
	11.0	5337.
	12.0	5337.
	13.0	5337.
	14.0	5337.
	15.0	5337.
	16.0	5337.
	17.0	5337.
	18.0	5337.
	19.0	5337.
	20.0	5337.
	21.0	5337.
	22.0	5337.
	23.0	5337.
	24.0	5337.
5-02-03	1.0	5337.
	2.0	5337.
	3.0	5337.
	4.0	5337.
	5.0	5337.
	6.0	5337.
	7.0	5337.
	8.0	5337.
	9.0	5337.
	10.0	5337.
	11.0	5337.
	12.0	5337.
	13.0	5337.
	14.0	5337.
	15.0	5337.
	16.0	5337.
	17.0	5337.
	18.0	5337.
	19.0	5337.
	20.0	5337.
	21.0	5337.
	22.0	5337.
	23.0	5337.
	24.0	5337.
5-03-03	1.0	5337.
	2.0	3814.
	3.0	410.
	4.0	9020.
	5.0	2435.
	6.0	7324.
	7.0	3795.
	8.0	8232.
	9.0	8435.
	10.0	10267.
	11.0	9120.
	12.0	8875.

	13.0	7439.
	14.0	7792.
	15.0	7875.
	16.0	8723.
	17.0	8697.
	18.0	8216.
	19.0	8210.
	20.0	8063.
	21.0	7447.
	22.0	-266.
	23.0	162.
	24.0	-2285.
5-04-03	1.0	-2996.
	2.0	-878.
	3.0	2567.
	4.0	3745.
	5.0	3786.
	6.0	1127.
	7.0	-1054.
	8.0	-2448.
	9.0	-2542.
	10.0	408.
	11.0	1731.
	12.0	11576.
	13.0	6782.
	14.0	10669.
	15.0	4492.
	16.0	7353.
	17.0	7380.
	18.0	8871.
	19.0	10467.
	20.0	10063.
	21.0	9552.
	22.0	-76.
	23.0	3747.
	24.0	-2617.
5-05-03	1.0	3501.
	2.0	523.
	3.0	1943.
	4.0	826.
	5.0	414.
	6.0	9274.
	7.0	10151.
	8.0	9159.
	9.0	11997.
	10.0	9891.
	11.0	9950.
	12.0	7815.
	13.0	8536.
	14.0	8179.
	15.0	11048.

	16.0	9269.
	17.0	7987.
	18.0	8615.
	19.0	3557.
	20.0	-892.
	21.0	2514.
	22.0	4799.
	23.0	9358.
	24.0	12846.
5-06-03	1.0	1137.
	2.0	-715.
	3.0	-4651.
	4.0	-2077.
	5.0	5328.
	6.0	14599.
	7.0	12648.
	8.0	13229.
	9.0	9293.
	10.0	5322.
	11.0	5452.
	12.0	5635.
	13.0	6270.
	14.0	9802.
	15.0	10220.
	16.0	10661.
	17.0	10392.
	18.0	8702.
	19.0	7930.
	20.0	8184.
	21.0	9053.
	22.0	9994.
	23.0	10821.
	24.0	10820.
5-07-03	1.0	11473.
	2.0	12202.
	3.0	12237.
	4.0	9353.
	5.0	7818.
	6.0	8624.
	7.0	10489.
	8.0	12804.
	9.0	14160.
	10.0	13329.
	11.0	12887.
	12.0	11970.
	13.0	10678.
	14.0	10492.
	15.0	12309.
	16.0	13286.
	17.0	12958.
	18.0	13015.

	19.0	12088.
	20.0	11285.
	21.0	3341.
	22.0	458.
	23.0	2028.
	24.0	-1632.
5-08-03	1.0	2012.
	2.0	2114.
	3.0	1218.
	4.0	1710.
	5.0	742.
	6.0	-1773.
	7.0	-739.
	8.0	-348.
	9.0	922.
	10.0	2612.
	11.0	1580.
	12.0	43.
	13.0	-1642.
	14.0	-2429.
	15.0	-1675.
	16.0	11559.
	17.0	8895.
	18.0	1225.
	19.0	7016.
	20.0	-4921.
	21.0	-4302.
	22.0	-6860.
	23.0	-3999.
	24.0	736.
5-09-03	1.0	4265.
	2.0	5128.
	3.0	2272.
	4.0	-998.
	5.0	-5062.
	6.0	-4405.
	7.0	-2807.
	8.0	455.
	9.0	4274.
	10.0	5639.
	11.0	3804.
	12.0	-571.
	13.0	-3638.
	14.0	5179.
	15.0	4426.
	16.0	14919.
	17.0	10048.
	18.0	11047.
	19.0	8119.
	20.0	8679.
	21.0	11651.

	22.0	1029.
	23.0	6534.
	24.0	6961.
5-10-03	1.0	4261.
	2.0	-1036.
	3.0	-4231.
	4.0	-9489.
	5.0	-5688.
	6.0	-23.
	7.0	5821.
	8.0	7227.
	9.0	4916.
	10.0	1275.
	11.0	-4073.
	12.0	-4199.
	13.0	-2248.
	14.0	9891.
	15.0	10240.
	16.0	14184.
	17.0	6749.
	18.0	5999.
	19.0	2631.
	20.0	6607.
	21.0	12664.
	22.0	13367.
	23.0	5335.
	24.0	594.
5-11-03	1.0	-4365.
	2.0	-8082.
	3.0	-4911.
	4.0	-184.
	5.0	3870.
	6.0	8832.
	7.0	5402.
	8.0	-797.
	9.0	-7287.
	10.0	-9534.
	11.0	-4495.
	12.0	2114.
	13.0	10066.
	14.0	8097.
	15.0	4985.
	16.0	3883.
	17.0	2485.
	18.0	1892.
	19.0	6831.
	20.0	8513.
	21.0	10707.
	22.0	8920.
	23.0	5040.
	24.0	-2916.

5-12-03	1.0	-1736.
	2.0	-5238.
	3.0	-978.
	4.0	947.
	5.0	4061.
	6.0	3845.
	7.0	1879.
	8.0	-249.
	9.0	9755.
	10.0	12015.
	11.0	11590.
	12.0	13798.
	13.0	11521.
	14.0	8778.
	15.0	10319.
	16.0	9481.
	17.0	12574.
	18.0	12711.
	19.0	11623.
	20.0	10141.
	21.0	10703.
	22.0	9827.
	23.0	10567.
	24.0	10877.
5-13-03	1.0	11472.
	2.0	11598.
	3.0	11427.
	4.0	11305.
	5.0	11118.
	6.0	11454.
	7.0	11713.
	8.0	11482.
	9.0	11641.
	10.0	12001.
	11.0	12928.
	12.0	10617.
	13.0	11887.
	14.0	11622.
	15.0	11719.
	16.0	10762.
	17.0	11158.
	18.0	11179.
	19.0	11234.
	20.0	11491.
	21.0	11452.
	22.0	11775.
	23.0	11205.
	24.0	11162.
5-14-03	1.0	330.
	2.0	1127.
	3.0	-1798.

	4.0	-1359.
	5.0	9294.
	6.0	15719.
	7.0	14611.
	8.0	16481.
	9.0	11785.
	10.0	9277.
	11.0	8336.
	12.0	8756.
	13.0	10406.
	14.0	12604.
	15.0	13217.
	16.0	13348.
	17.0	11125.
	18.0	10569.
	19.0	10137.
	20.0	10130.
	21.0	11078.
	22.0	11512.
	23.0	11620.
	24.0	11498.
5-15-03	1.0	192.
	2.0	-3208.
	3.0	1004.
	4.0	703.
	5.0	14895.
	6.0	19834.
	7.0	10122.
	8.0	11851.
	9.0	5702.
	10.0	7506.
	11.0	8951.
	12.0	12138.
	13.0	13927.
	14.0	12461.
	15.0	12739.
	16.0	10482.
	17.0	8665.
	18.0	-6717.
	19.0	-1653.
	20.0	1190.
	21.0	9519.
	22.0	11360.
	23.0	13590.
	24.0	10643.
5-16-03	1.0	6395.
	2.0	6128.
	3.0	4307.
	4.0	7274.
	5.0	8702.
	6.0	9306.

	7.0	10008.
	8.0	7635.
	9.0	7253.
	10.0	7155.
	11.0	7763.
	12.0	10071.
	13.0	10283.
	14.0	13219.
	15.0	9756.
	16.0	10731.
	17.0	9757.
	18.0	9776.
	19.0	4869.
	20.0	4356.
	21.0	5523.
	22.0	10967.
	23.0	11406.
	24.0	6029.
5-17-03	1.0	6867.
	2.0	-1067.
	3.0	2534.
	4.0	-2934.
	5.0	950.
	6.0	4674.
	7.0	9229.
	8.0	10697.
	9.0	8581.
	10.0	9412.
	11.0	6562.
	12.0	5871.
	13.0	6921.
	14.0	8021.
	15.0	9094.
	16.0	8712.
	17.0	6352.
	18.0	4394.
	19.0	2757.
	20.0	3950.
	21.0	7647.
	22.0	8332.
	23.0	8493.
	24.0	6774.

RUN BEGINS ON AUG 6, 2009, 7:36:18.79 AM
RUN ENDS ON AUG 6, 2009, 7:36:28.96 AM

Melton Hill_Calibrate_May2003-61 sections.prt

CRM 79.8 (Below Norris)
457 457

826.10 826.16 826.21 826.11 825.99 825.94 825.94 825.94 825.95 825.95
825.95 825.95 825.95 825.95 825.96 825.95 825.95 825.95 825.95 825.95
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825.92 825.93 825.94 825.94 825.93 825.92 825.91 823.21 822.20 822.49
822.67 822.75 822.78 822.76 822.74 822.72 822.69 822.68 824.78 822.43
822.24 822.47 822.62 822.65 822.60 822.57 822.58 822.60 822.60 822.55
822.52 824.67 822.04 822.17 822.42 822.59 822.64 822.61 822.61 822.63
822.64 822.65 822.65 825.15 822.14 822.34 822.61 822.76 822.80 822.76
822.73 822.72 822.71 822.68 822.65 822.61 822.58 822.55 822.54 825.30
825.02 824.97 825.00 824.99 822.09 821.96 822.28 822.58 822.75 822.75
822.73 822.71 822.68 822.65 822.67 824.95 822.07 822.21 822.55 822.74
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825.15 822.26 822.17 822.36 822.52 822.63 822.66 822.68 822.69 822.67
822.64 822.61 824.93 822.02 822.22 822.63 822.80 822.72 822.60 825.24
825.03 825.00 825.08 822.25 822.15 822.37 822.54 822.63 822.63 822.65
822.68 822.68 822.64 822.59 824.87 821.96 822.11 822.51 822.70 822.64
822.53 822.47 822.48 822.57 825.38 825.09 825.04 825.05 822.15 822.06
822.29 822.49 822.61 822.63 822.66 822.68 822.66 822.63 825.33 825.04
825.00 825.02 825.04 824.99 824.95 826.53 828.07 828.28 828.29 828.27
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828.18 828.16 828.15 828.13 828.12 828.06 828.05 828.04 828.02 828.00
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820.60 821.28 821.28 821.33 821.32 821.29 821.27 821.27 821.27 821.27
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821.24	821.25	821.26	821.28	821.30	821.32	821.33	821.33	821.34	821.34
821.34	821.34	821.34	821.34	821.35	821.36	821.37	819.55	817.99	817.34
817.28	817.29	817.30	817.31	817.29	817.28	817.26	817.25	818.98	818.29
817.41	817.14	817.11	817.14	817.16	817.15	817.15	817.18	817.25	817.29
817.30	818.99	818.18	817.37	817.19	817.19	817.26	817.30	817.30	817.28
817.27	817.26	817.25	819.33	818.31	817.35	817.15	817.14	817.17	817.18
817.16	817.14	817.12	817.11	817.10	817.09	817.08	817.07	817.06	819.44
820.33	820.39	820.40	820.40	818.63	817.34	816.97	816.90	816.95	817.00
817.02	817.01	817.01	817.00	817.00	818.96	818.02	817.11	816.89	816.91
816.98	817.00	816.99	816.96	816.96	816.97	816.97	819.55	820.33	820.36
820.39	818.57	817.30	816.99	816.91	816.92	816.95	816.96	816.97	816.97
816.98	816.99	818.98	818.01	817.07	816.86	816.91	817.00	817.03	819.36
820.27	820.33	820.36	818.57	817.30	816.97	816.91	816.93	816.96	816.96
816.96	816.97	816.99	817.00	818.96	818.01	817.08	816.86	816.90	816.98
817.01	816.98	816.95	816.94	819.39	820.29	820.36	820.38	818.58	817.29
816.96	816.89	816.92	816.95	816.95	816.96	816.98	817.00	819.41	820.29
820.34	820.36	820.38	820.38	820.38	821.79	823.59	824.19	824.35	824.40
824.40	824.38	824.38	824.38	824.37	824.36	824.35	824.33	824.31	824.30
824.28	824.26	824.24	824.21	824.19	824.14	824.11	824.09	824.07	824.05
824.03	824.09	824.11	824.10	824.07	824.05	824.03	824.01	824.01	824.00
823.99	823.97	823.95	823.93	823.91	823.90	823.87	823.85	823.83	823.81
823.79	823.77	823.76	823.75	823.73	823.71	823.73	823.71	823.68	823.63
823.61	823.60	823.59	823.57	823.56	823.54	823.53	823.51	823.49	823.48
823.46	823.43	823.41	823.39	823.39	823.39	823.38	823.37	823.37	823.39
823.36	823.35	822.75	821.08	820.51	820.35	820.31	820.33	820.75	821.16
821.27	821.29	821.31	821.31	821.29	821.30	821.30	821.28	821.30	820.78
820.53	821.07	821.24	821.29	821.30	821.32	821.31	821.30	821.31	821.31
821.30	821.31	821.31	821.30	821.30	821.29	821.31	821.31	821.31	821.31
821.30	821.30	821.31	821.30	821.30	821.30	821.30	821.32	821.32	821.32
821.31	821.31	821.31	821.31	821.32	821.32	821.31			

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2279. 4121. 2789. 2274. 2193. 2205. 2258. 2280. 2272. 2262.
2255. 2249. 2241. 4555. 2845. 2243. 2166. 2164. 2190. 2199.
2186. 2172. 2165. 2161. 2158. 2152. 2144. 2138. 2140. 4781.
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2067. 2077. 2091. 2104. 4181. 2679. 2094. 1989. 2032. 2094.
2109. 2092. 2068. 2061. 4734. 5513. 5482. 5507. 3017. 2202.
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11728. 11688. 11650. 11607. 11571. 11456. 11425. 11391. 11353. 11314.
11281. 11412. 11437. 11400. 11342. 11307. 11280. 11252. 11243. 11233.
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10538. 10521. 10499. 10474. 10448. 10420. 10401. 10369. 10338. 10314.
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10115. 10085. 8847. 5890. 5486. 5377. 5349. 5395. 6103. 6704.
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5624. 6630. 6761. 6803. 6799. 6831. 6809. 6802. 6820. 6809.
6793. 6808. 6819. 6791. 6796. 6781. 6808. 6808. 6810. 6814.
6796. 6808. 6812. 6803. 6798. 6801. 6807. 6840. 6825. 6822.
6820. 6819. 6819. 6821. 6823. 6824. 6823.
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457 457
793.95 793.84 793.77 793.79 793.79 793.81 793.89 793.90 793.87 793.85
793.81 793.81 793.82 793.84 793.85 793.86 793.84 793.83 793.83 793.83
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793.89 794.06 793.85 793.88 793.92 793.91 793.87 793.71 793.67 793.60
793.60 793.57 793.54 793.47 793.42 793.35 793.33 793.28 793.24 793.22
793.47 793.64 793.67 793.84 793.87 793.85 793.83 793.89 794.03 794.20
794.32 794.41 794.41 794.42 794.19 794.17 794.16 794.20 794.21 794.06
794.03 793.91 793.86 793.81 794.10 794.14 794.20 794.22 794.22 794.39
794.42 794.55 794.30 794.16 794.20 794.09 794.02 793.97 793.96 793.93

793.86	793.77	793.72	793.80	793.78	793.92	794.20	794.20	794.12	794.06
793.95	794.26	794.61	794.73	794.81	794.67	794.50	794.47	794.53	794.57
794.71	794.71	794.69	794.71	794.64	794.57	794.53	794.47	794.47	794.46
794.42	794.35	794.27	794.16	794.06	793.96	793.84	793.76	793.79	793.84
793.78	793.65	793.51	793.38	793.33	793.28	793.21	793.17	793.12	793.00
792.87	792.78	792.69	792.61	792.55	792.77	793.09	793.01	793.08	793.10
793.11	793.26	793.30	793.35	793.52	793.60	793.59	793.59	793.57	793.64
793.80	793.92	794.03	794.12	793.74	793.61	794.01	793.89	794.07	794.35
794.45	794.53	794.36	794.25	794.24	794.42	794.58	794.75	794.81	794.76
794.71	794.60	794.54	794.63	794.84	795.01	794.65	794.44	794.20	794.13
794.20	794.14	794.08	793.83	794.05	793.99	793.73	793.81	794.11	794.39
794.58	794.54	794.29	794.14	794.11	794.25	794.39	794.56	794.60	794.54
794.16	793.97	793.90	794.05	794.17	794.08	793.92	793.57	793.40	793.60
793.93	794.09	794.23	794.20	794.04	793.96	793.82	793.86	794.21	794.50
794.63	794.50	794.26	794.04	794.05	794.22	794.21	794.17	794.23	794.10
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794.11	794.26	794.40	794.06	793.78	793.76	793.65	793.59	793.69	793.75
793.80	793.80	793.76	793.79	793.84	793.86	793.88	793.90	793.90	793.91
793.90	793.91	793.92	793.93	793.93	793.92	793.92	793.91	793.90	793.87
793.88	793.89	793.86	793.86	793.87	793.89	793.88	793.88	793.87	793.87
793.86	793.86	793.87	794.13	794.39	794.51	794.71	794.59	794.42	794.36
794.31	794.31	794.40	794.44	794.46	794.43	794.38	794.33	794.30	794.31
794.33	794.33	794.34	794.32	794.29	794.27	794.26	794.55	794.95	794.91
794.97	794.79	794.55	794.64	794.71	794.77	794.84	794.78	794.73	794.63
794.63	794.60	794.61	794.67	795.18	795.31	795.06	794.89	794.75	794.70
794.66	794.79	794.81	794.84	794.78	794.69	794.66	794.61	794.64	794.66
794.63	794.59	794.48	794.40	794.28	794.27	794.26	794.18	794.15	794.25
794.36	794.30	794.13	794.01	794.17	794.22	794.43	794.48	794.60	794.73
794.58	794.50	794.40	794.45	794.42	794.44	794.49	794.45	794.40	794.35
794.33	794.39	794.49	794.57	794.57	794.47	794.42			

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5073.	4998.	4934.	4915.	4924.	4957.	4990.	4995.	4984.	4965.
4952.	4952.	4961.	4971.	4976.	4974.	4968.	4963.	4962.	4964.
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4187.	4725.	4651.	4593.	4807.	5051.	5013.	4837.	4546.	4504.
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5192.	5272.	5129.	5124.	4015.	5137.	4429.	5285.	4680.	4829.
4788.	4798.	5783.	5432.	5136.	5449.	5210.	5203.	4937.	5125.
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6262.	5043.	5344.	5356.	5928.	6336.	6733.	6446.	6570.	6305.
5561.	4896.	4060.	3327.	3281.	3009.	2860.	2736.	2476.	2396.
2528.	2836.	3061.	2996.	2662.	2447.	2385.	2334.	2071.	2220.
2681.	2933.	3015.	3029.	3075.	3307.	3307.	3073.	2939.	3053.

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79. 1093. 1646. 1292. 828. 782. 1061. 727. 1007. 1091.
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4004. 3717. 2627. 1303. -512. 906. 585. 1124. 1000. 862.
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10522. 10488. 10460. 10426. 10413. 10390. 10340. 10304. 10272. 10260.
10100. 10119. 10084. 10056. 10017. 10053. 10070. 10054. 10045. 10013.
10003. 9952. 9929. 9255. 9458. 9345. 9357. 9960. 10079. 9891.
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8899. 8937. 8800. 8690. 7060. 7783. 7124. 6363. 5292. 4891.
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5268. 5576. 5966. 5753. 5098. 5453. 4698. 5543. 4764. 5417.
5697. 5844. 5750. 5398. 5634. 5382. 5380. 5564. 5620. 5657.
5545. 5334. 5254. 5232. 5487. 5767. 5625.

CRM 23.1 (Above Melton Hill)

457 457
793.72 793.72 793.72 793.72 793.72 793.72 793.72 793.72 793.72 793.72
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793.67 793.82 793.76 793.85 793.71 793.68 793.62 793.60 793.54 793.50
793.44 793.40 793.34 793.30 793.26 793.21 793.16 793.13 793.30 793.31
793.38 793.49 793.60 793.64 793.68 793.75 793.85 793.93 794.01 794.10
794.16 794.25 794.09 794.20 794.09 794.18 794.05 794.01 793.96 793.90
793.85 793.78 793.96 793.86 793.99 793.93 794.10 794.16 794.23 794.29
794.13 794.14 794.17 794.06 794.00 793.92 793.93 793.85 793.80 793.68
793.67 793.66 793.60 793.69 793.84 793.83 793.83 793.83 793.81 794.08
794.15 794.27 794.31 794.36 794.30 794.36 794.31 794.34 794.41 794.46
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793.18 793.24 793.35 793.41 793.46 793.50 793.54 793.62 793.69 793.74
793.79 793.84 793.59 793.67 793.89 793.76 793.96 794.03 794.24 794.29

794.28 794.31 794.36 794.42 794.46 794.51 794.54 794.59 794.65 794.65
794.66 794.70 794.76 794.80 794.57 794.60 794.42 794.47 794.31 794.20
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794.23 794.25 794.31 794.31 794.31 794.35 794.37 794.41 794.24 794.26
794.12 794.16 794.03 793.97 793.83 793.72 793.69 793.81 793.84 793.85
793.91 793.95 793.98 794.04 793.96 794.00 794.09 794.20 794.26 794.25
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793.87 793.91 794.06 794.01 794.08 794.07 794.13 794.16 794.18 794.18
794.21 793.93 793.83 793.83 793.73 793.63 793.56 793.45 793.39 793.25
793.20 793.20 793.23 793.21 793.24 793.25 793.27 793.27 793.28 793.29
793.30 793.31 793.31 793.31 793.32 793.32 793.31 793.28 793.33 793.30
793.30 793.29 793.32 793.31 793.31 793.31 793.31 793.31 793.30 793.31
793.31 793.60 793.67 793.84 794.00 793.97 793.91 793.96 793.88 793.91
793.92 793.95 793.95 793.95 793.92 793.90 793.87 793.89 793.88 793.88
793.88 793.87 793.86 793.85 793.84 794.12 794.28 794.27 794.41 794.31
794.23 794.39 794.32 794.41 794.36 794.39 794.34 794.31 794.31 794.26
794.27 794.29 794.69 794.68 794.69 794.69 794.84 794.77 794.73 794.73
794.68 794.68 794.61 794.59 794.58 794.54 794.55 794.52 794.50 794.47
794.41 794.38 794.26 794.27 794.17 794.11 794.04 794.13 794.14 794.10
793.97 793.97 794.09 794.04 794.18 794.13 794.34 794.38 794.39 794.35
794.35 794.39 794.31 794.32 794.32 794.30 794.27 794.24 794.24 794.27
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10482. 8665. -6717. -1653. 1190. 9519. 11360. 13590. 10643. 6395.
6128. 4307. 7274. 8702. 9306. 10008. 7635. 7253. 7155. 7763.
10071. 10283. 13219. 9756. 10731. 9757. 9776. 4869. 4356. 5523.
10967. 11406. 6029. 6867. -1067. 2534. -2934. 950. 4674. 9229.
10697. 8581. 9412. 6562. 5871. 6921. 8021. 9094. 8712. 6352.
4394. 2757. 3950. 7647. 8332. 8493. 6774.

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Appendix H - Calibrated Steady-State HEC-RAS Model
with files:

MH031809FEMA.f02
MH031809FEMA.g11
MH031809FEMA.p34
MH031809FEMA.prj

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Appendix I - Convey and SOCH Geometry Files

with files:

MeltonHill20090624.geo
Melton Hill CONVEY.out
Melton Hill CONVEY.prt
Melton Hill CONVEY.dat
Melton Hill CONVEY 20090710.xls
Melton Hill Merge 20090710.xls
Melton Hill Rev4.geo

1. Purpose

The purpose of this appendix is to describe cross-section modifications required for calibration of the Melton Hill Reservoir SOCH model presented in the calculation entitled "SOCH Model Calibration, Melton Hill" CDQ000020080038 (parent calculation).

2. References

2.1 The references of the parent calculation are applicable to this appendix.

3. Assumptions and Methodology

3.1 Assumptions

3.1.1 The assumptions of the parent calculation are applicable to this appendix.

3.2 Unverified Assumptions - None

3.3 Methodology

During the second step of the calibration phase, HEC-RAS steady-state profiles (Section 6.2 of the parent calculation), the cross-sections were evaluated to ensure that the water surface calculated at the 600,000 cfs flow did not extend above the top elevation of each cross-section. While HEC-RAS will automatically extend the sections vertically and continue to run, SOCH will stop running if this occurs. Twelve cross-sections were found to be too low to contain the 600,000 cfs flow.

The DRG maps (Reference 2.6 of the parent calculation) were examined to determine how best to extend the sections. If the slope appeared to be constant, then the slope was extended up at the same slope. If the slope flattened out or needed to be cut off for ineffective flow, the slope was extended vertically.

Also, two modifications were made to the cross-sections at River Miles 77.7 and 79.8 in the SOCH geometry file. The original SOCH geometry file (Attachment 7 of parent calculation) had weighted width terms that were less at elevation 960 than at elevation 950. This occurred because only 21 elevation entries are available for each cross-section in the SOCH geometry file. To get maximum channel definition, elevation intervals of five feet were used in the lower part of the two cross-sections. The elevation interval changed to ten feet in the upper part of the cross-sections. Due to the maximum number of elevation entries available and the effort to get maximum definition in the channel, weighted width values were only computed to 955 (Reference 2.6), which resulted in a significantly smaller weighted width value at 960 than at 950. To correct this, a weighted width value was linearly extrapolated at elevation 960 for each cross-section based on the rate of change between the weighted width values at elevations 940 and 950.

4. Design Input

Sect.	Input Parameter	Source	Location	Description
4.0	Initial HEC-RAS Geometry	Reference 2.6	Attachment 1 of parent calculation	Initial HEC-RAS geometry was provided in the "SOCH Geometry Verification for Melton Hill Reservoir" calculation and used in the HEC-RAS steady-state model.

5. Special Requirements/Limiting Conditions

N/A

6. Calculations

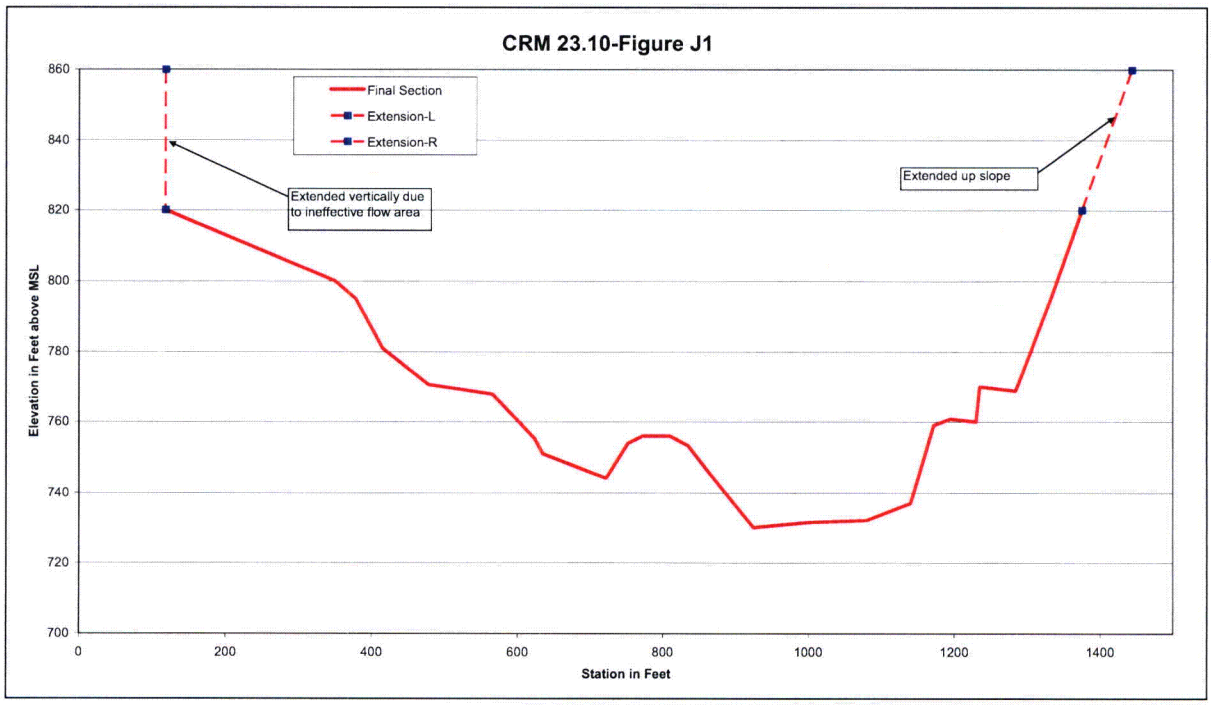
During the second step of the calibration phase, HEC-RAS steady-state profiles (Section 6.2 of the parent calculation), the cross-sections were evaluated to ensure that the water surface calculated at the 600,000 cfs flow did not extend above the top elevation of each cross-section. While HEC-RAS will automatically extend the sections vertically and continue to run, SOCH will stop running if this occurs. Twelve cross-sections were found to be too low to contain the 600,000 cfs flow.

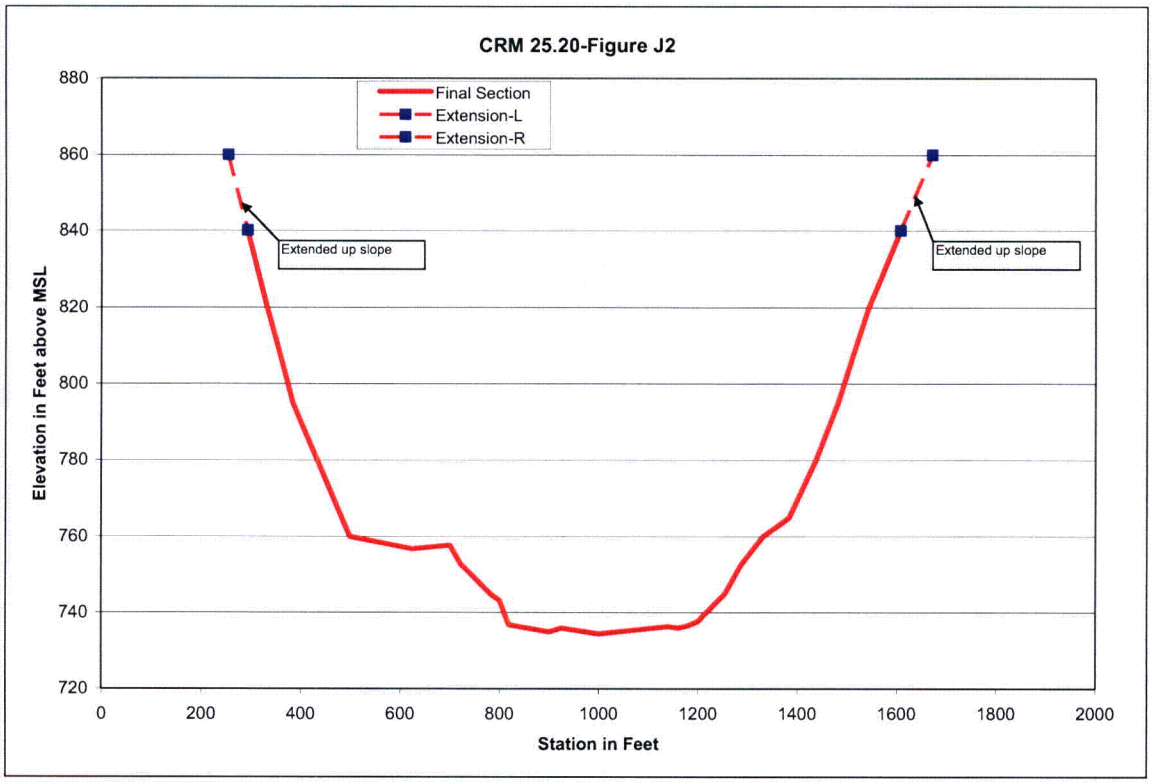
The DRG maps (Reference 2.6 of the parent calculation) were examined to determine how best to extend the sections. If the slope appeared to be constant, then the slope was extended up at the same slope. If the slope flattened out or needed to be cut off for ineffective flow, the slope was extended vertically. Table J1 lists the sections that were changed and describes the changes that were made. Figures J1 through J12 show the modified sections. The "Final Section" plots and the ineffective flow areas were taken directly from Reference 2.6 of the parent calculation. The modifications to the sections are denoted by the "dashed" line style

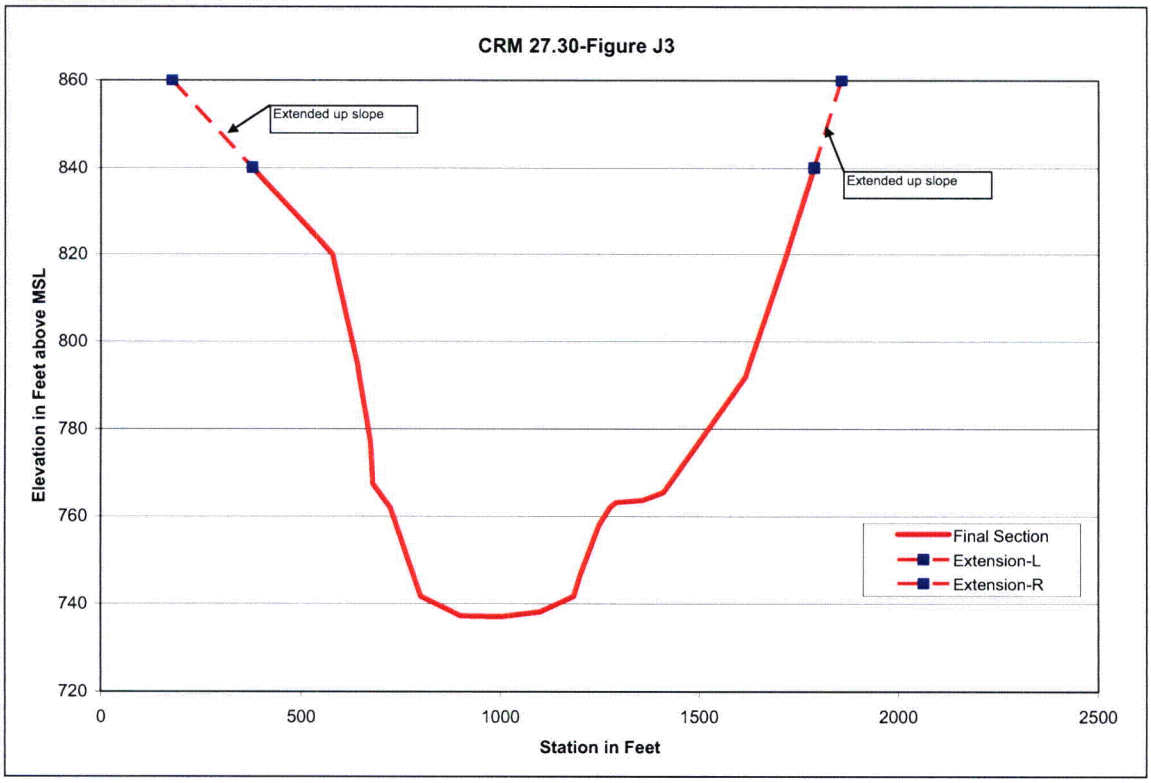
Also, two modifications were made to the cross-sections at River Miles 77.7 and 79.8 in the SOCH geometry file. The original SOCH geometry file (Attachment 7 of parent calculation) had weighted width terms that were less at elevation 960 than at elevation 950. This occurred because only 21 elevation entries are available for each cross-section in the SOCH geometry file. To get maximum channel definition, elevation intervals of five feet were used in the lower part of the two cross-sections. The elevation interval changed to ten feet in the upper part of the cross-sections. Due to the maximum number of elevation entries available and the effort to get maximum definition in the channel, weighted width values were only computed to 955 (Reference 2.6), which resulted in a significantly smaller weighted width value at 960 than at 950. To correct this, a weighted width value was linearly extrapolated at elevation 960 for each cross-section based on the rate of change between the weighted width values at elevations 940 and 950.

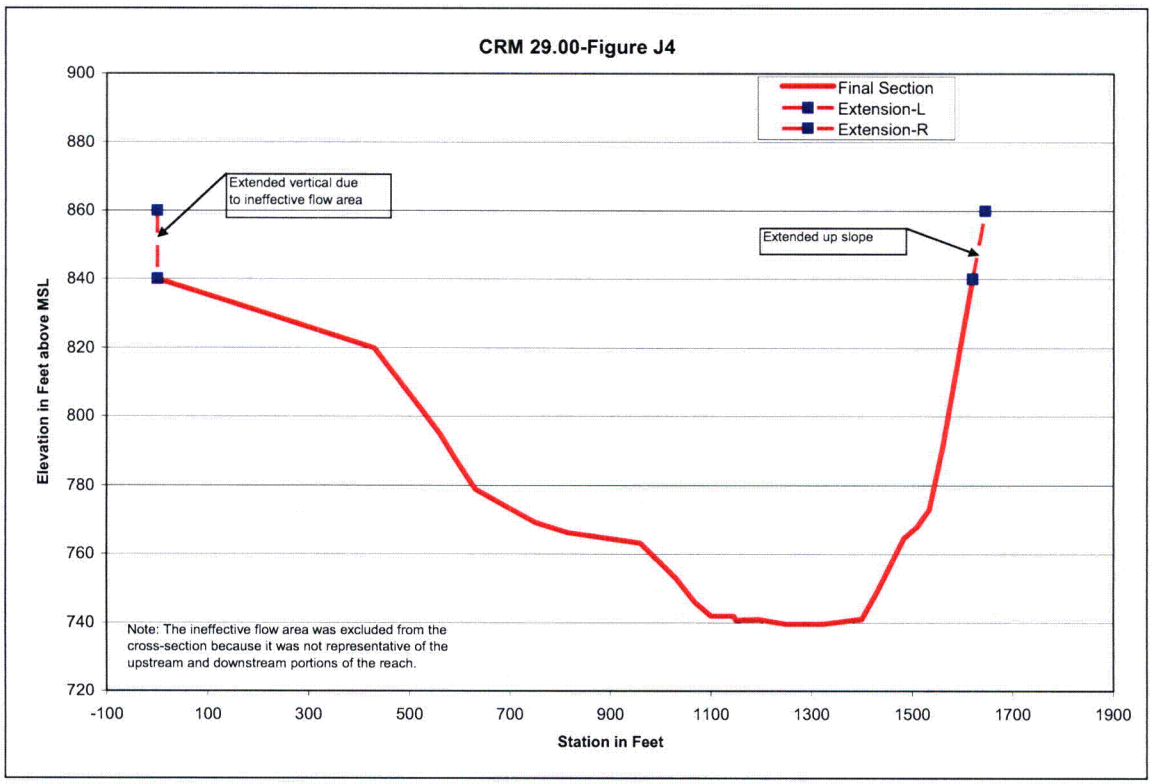
Table J1. Cross-Section Modifications

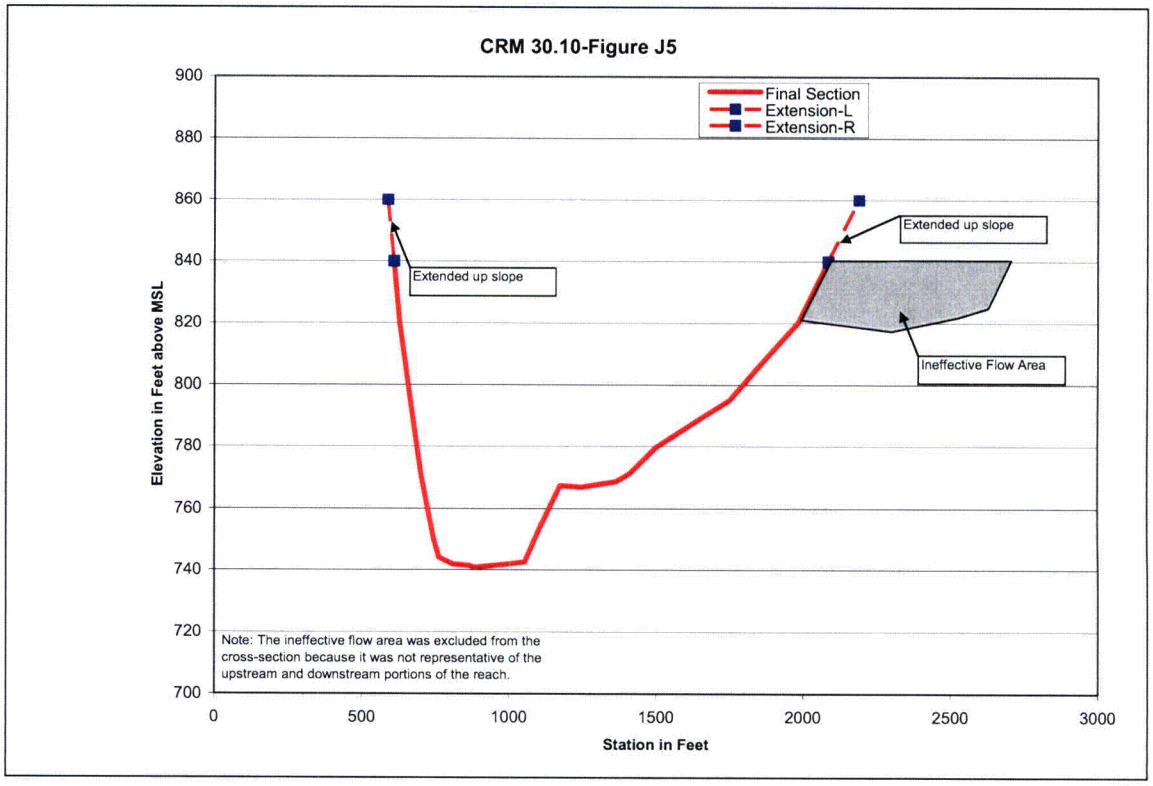
Clinch River Mile	Left Side Extension	Right Side Extension
43.7	Up slope to 860	Up slope to 860
39.1	Up slope to 860	Up slope to 860
37.0	Vertically to 860 due to ineffective flow	Up slope to 860
36.0	Up slope to 860	Up slope to 860
34.6	Up slope to 860	Up slope to 860
33.6	Up slope to 860	Up slope to 860
31.5	Up slope to 860	Up slope to 860
30.1	Up slope to 860	Up slope to 860
29.0	Vertically to 860 due to ineffective flow	Up slope to 860
27.3	Up slope to 860	Up slope to 860
25.2	Up slope to 860	Up slope to 860
23.1	Vertically to 860 due to ineffective flow	Up slope to 860

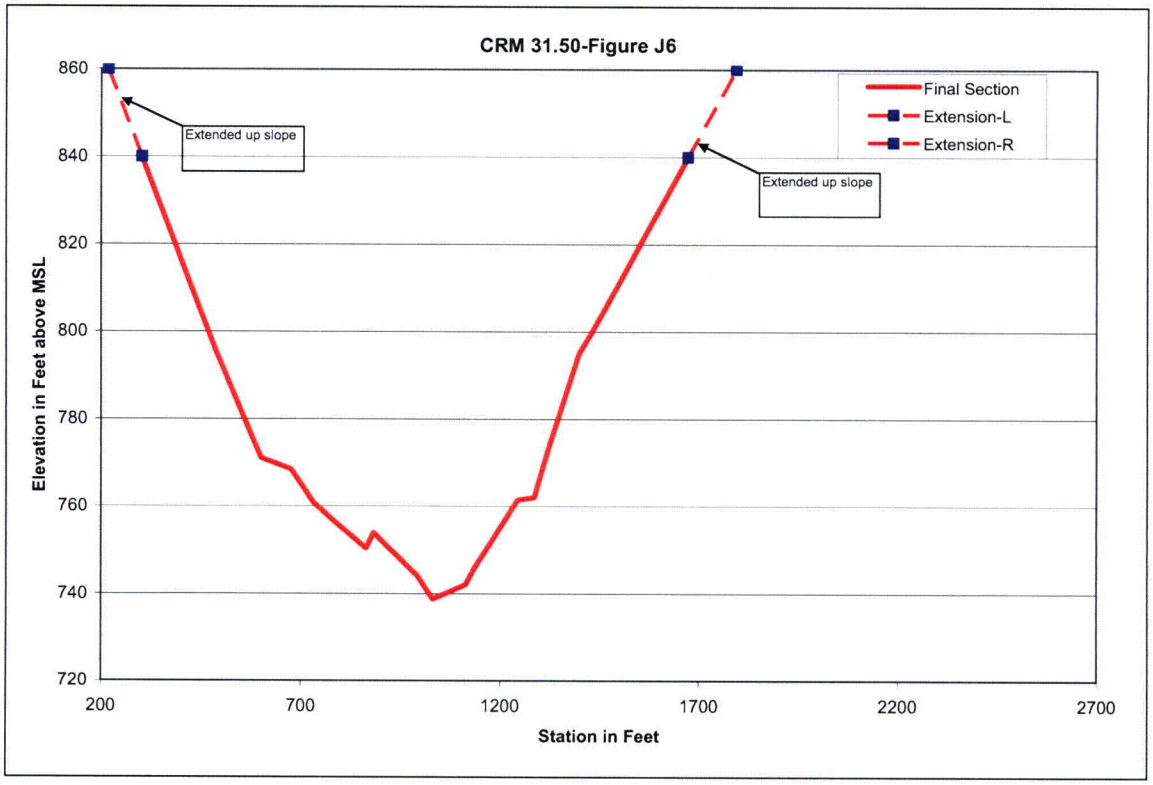

CRM 23.10-Figure J1
Final Section
Extension-L
Extension-R
Extended vertically due to ineffective flow area
Extended up slope
Elevation in Feet above MSL
Station in Feet
860
840
820
800
780
760
740
720
700
0
200
400
600
800
1000
1200
1400

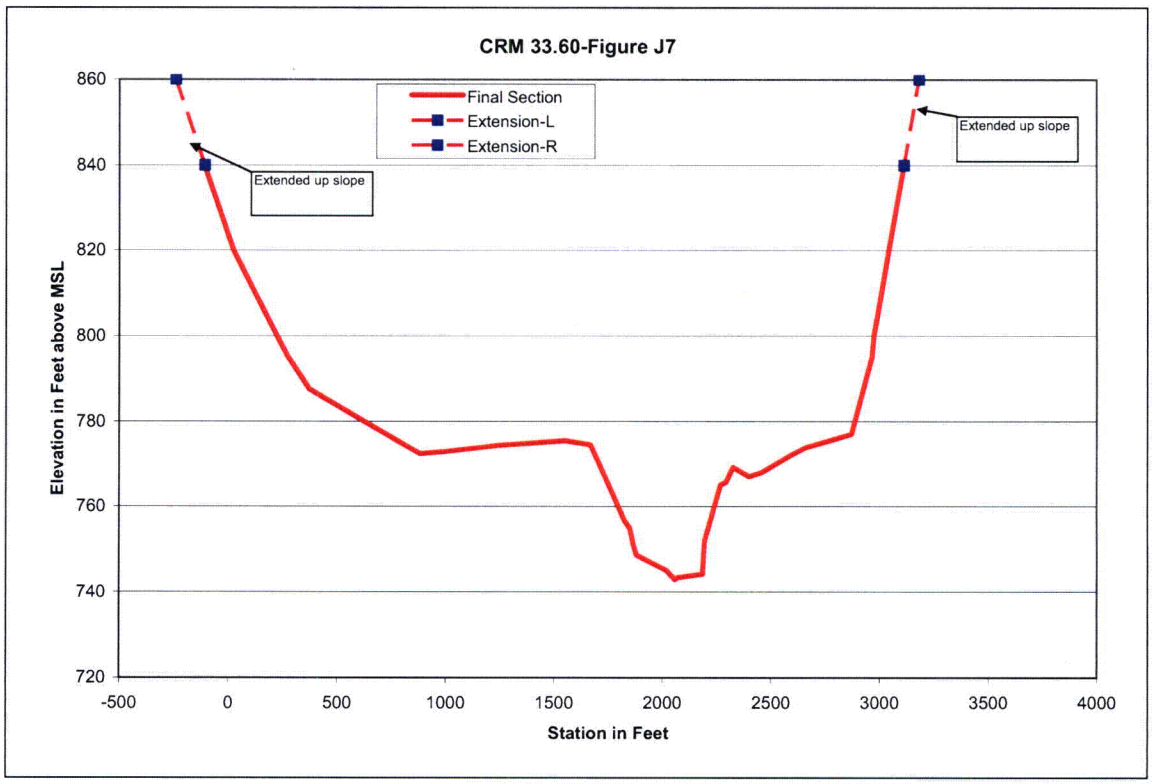

CRM 25.20-Figure J2
Final Section
Extension-L
Extension-R
Extended up slope
Extended up slope
Elevation in Feet above MSL
Station in Feet
880
860
840
820
800
780
760
740
720
0
200
400
600
800
1000
1200
1400
1600
1800
2000

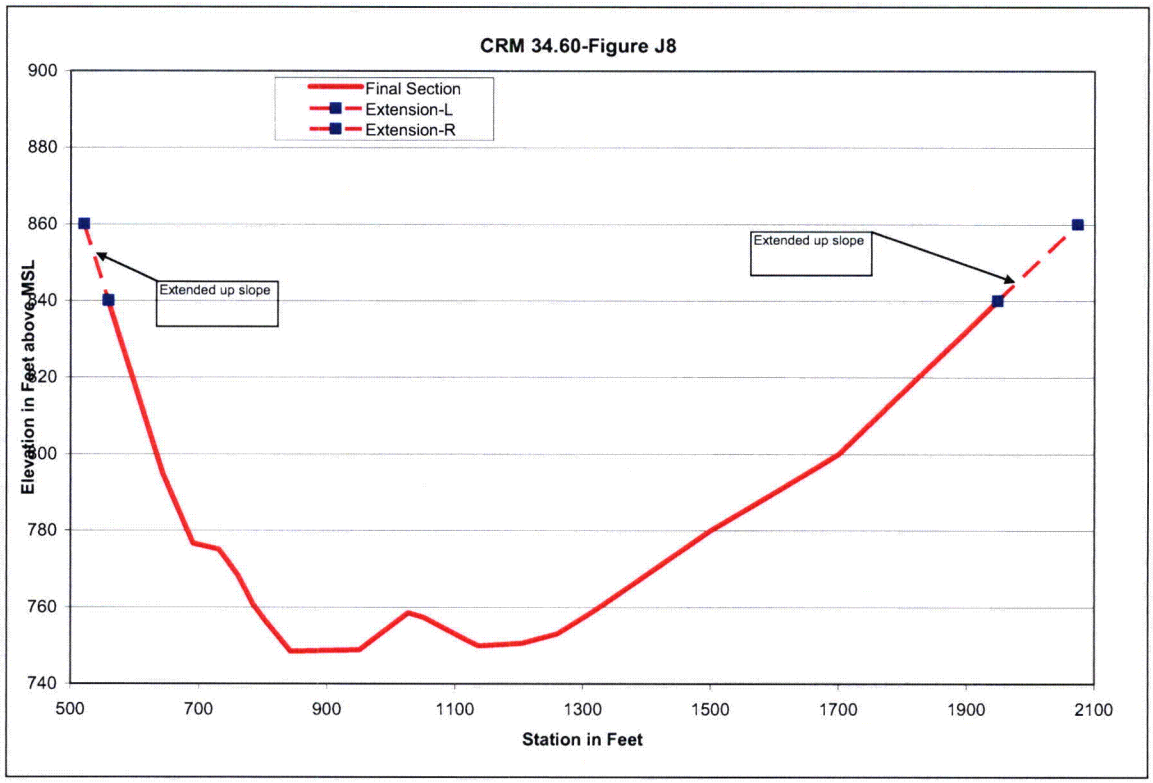

CRM 27.30-Figure J3
Extended up slope
Extended up slope
Final Section
Extension-L
Extension-R
Elevation in Feet above MSL
Station in Feet
860
840
820
800
780
760
740
720
0
500
1000
1500
2000
2500

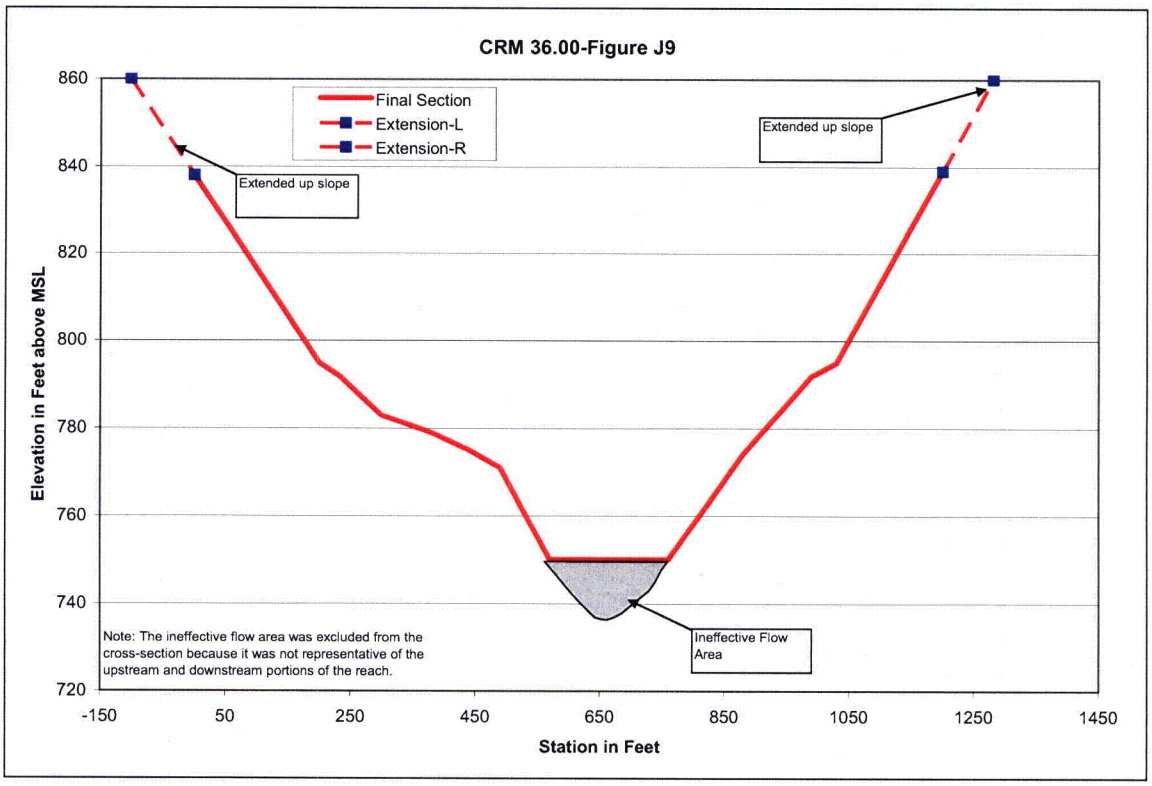

CRM 29.00-Figure J4
Final Section
Extension-L
Extension-R
Extended vertical due to ineffective flow area
Extended up slope
Note: The ineffective flow area was excluded from the cross-section because it was not representative of the upstream and downstream portions of the reach.
Elevation in Feet above MSL
Station in Feet
900
880
860
840
820
800
780
760
740
720
-100
100
300
500
700
900
1100
1300
1500
1700
1900

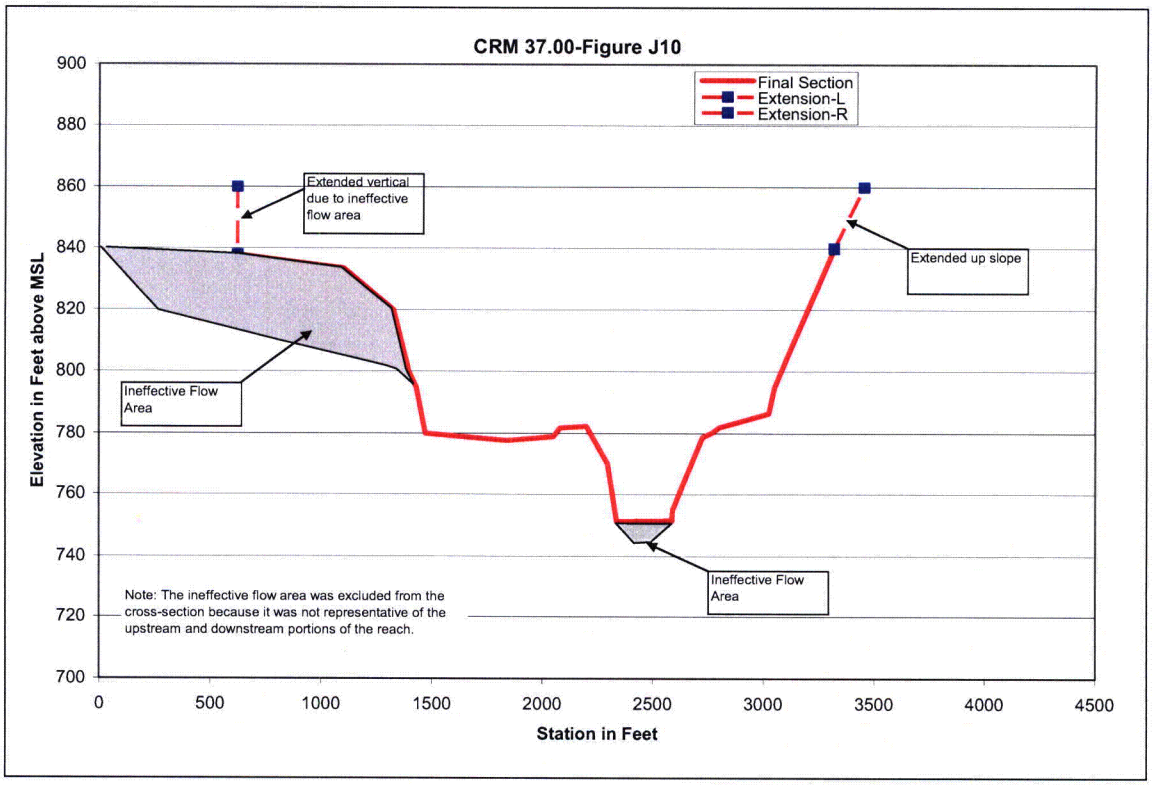

CRM 30.10-Figure J5
Final Section
Extension-L
Extension-R
Extended up slope
Extended up slope
Ineffective Flow Area
Note: The ineffective flow area was excluded from the cross-section because it was not representative of the upstream and downstream portions of the reach.
Elevation in Feet above MSL
Station in Feet
900
880
860
840
820
800
780
760
740
720
700
0
500
1000
1500
2000
2500
3000

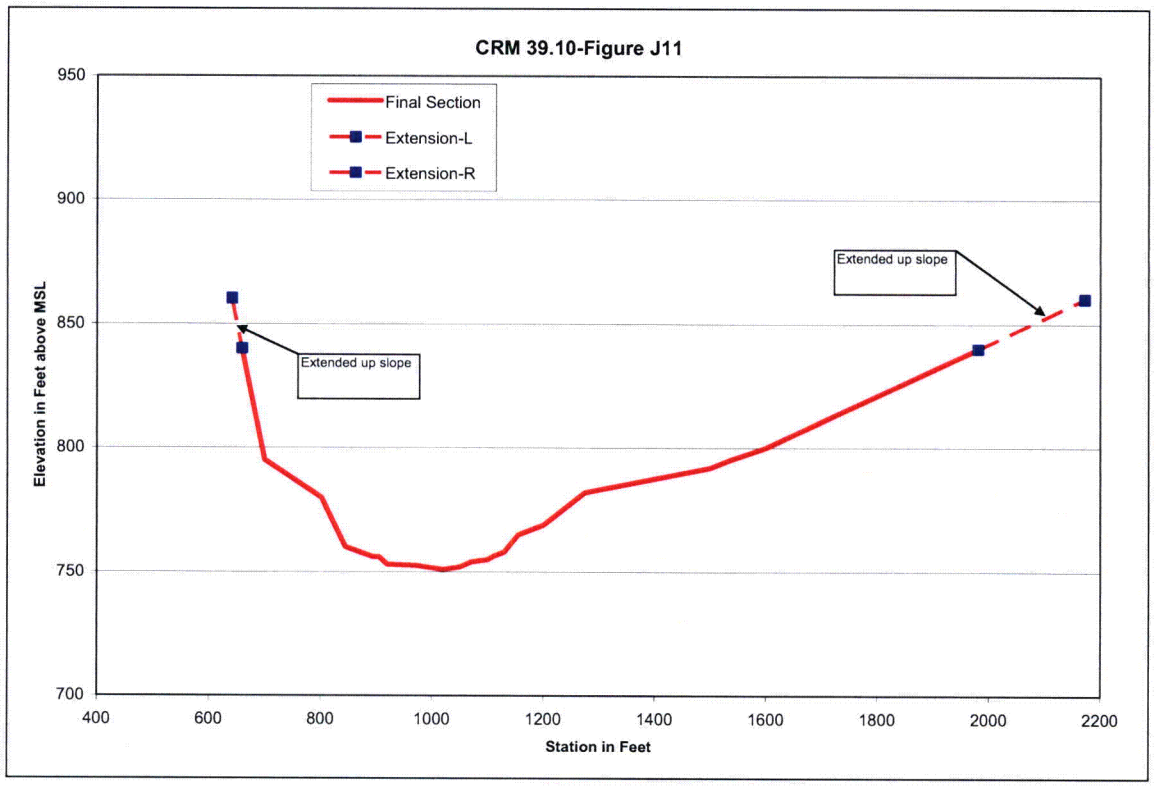

CRM 31.50-Figure J6
Final Section
Extension-L
Extension-R
Extended up slope
Extended up slope
Elevation in Feet above MSL
Station in Feet
860
840
820
800
780
760
740
720
200
700
1200
1700
2200
2700

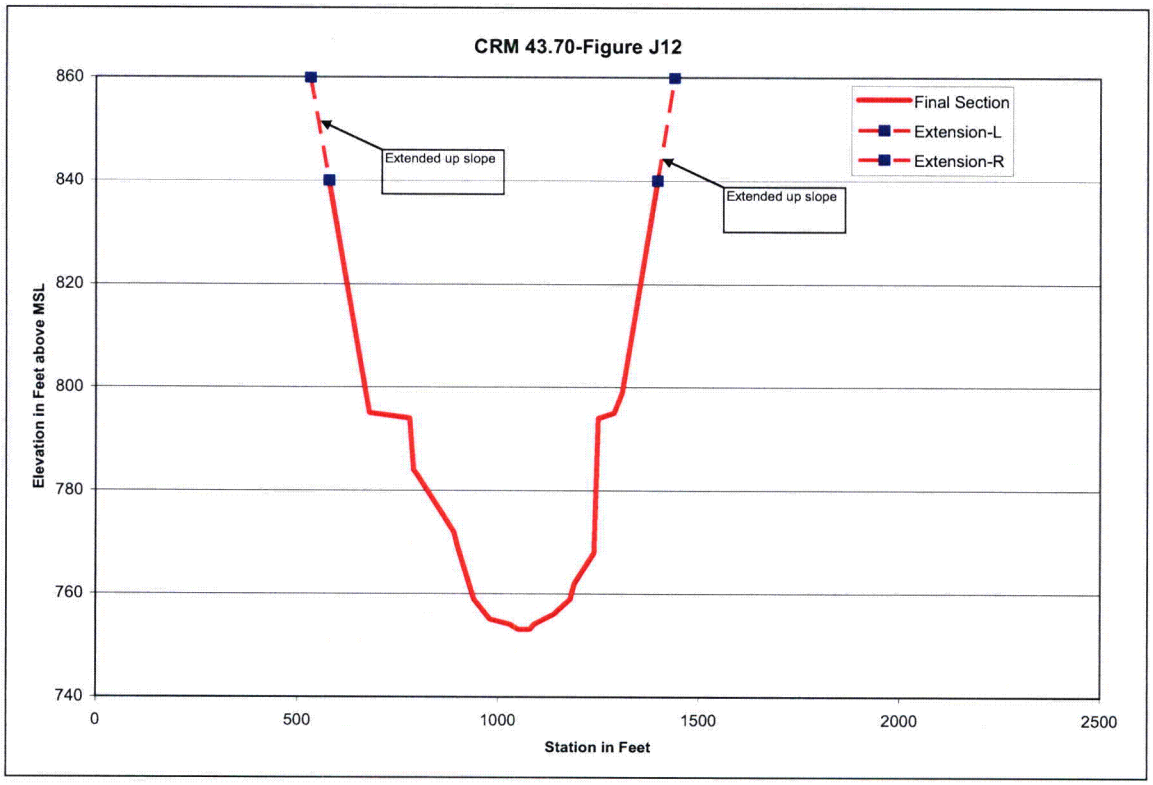

CRM 33.60-Figure J7
Final Section
Extension-L
Extension-R
Extended up slope
Extended up slope
Elevation in Feet above MSL
Station in Feet
860
840
820
800
780
760
740
720
-500
0
500
1000
1500
2000
2500
3000
3500
4000


CRM 34.60-Figure J8
Final Section
Extension-L
Extension-R
Extended up slope
Extended up slope
Elevation in Feet above MSL
Station in Feet
900
880
860
840
820
800
780
760
740
500
700
900
1100
1300
1500
1700
1900
2100


CRM 36.00-Figure J9
Final Section
Extension-L
Extension-R
Extended up slope
Extended up slope
Ineffective Flow Area
Note: The ineffective flow area was excluded from the cross-section because it was not representative of the upstream and downstream portions of the reach.
Elevation in Feet above MSL
Station in Feet
860
840
820
800
780
760
740
720
-150
50
250
450
650
850
1050
1250
1450


CRM 37.00-Figure J10
Final Section
Extension-L
Extension-R
Extended vertical due to ineffective flow area
Extended up slope
Ineffective Flow Area
Ineffective Flow Area
Note: The ineffective flow area was excluded from the cross-section because it was not representative of the upstream and downstream portions of the reach.
Elevation in Feet above MSL
Station in Feet
900
880
860
840
820
800
780
760
740
720
700
0
500
1000
1500
2000
2500
3000
3500
4000
4500


CRM 39.10-Figure J11
Final Section
Extension-L
Extension-R
Extended up slope
Extended up slope
Elevation in Feet above MSL
Station in Feet
950
900
850
800
750
700
400
600
800
1000
1200
1400
1600
1800
2000
2200


CRM 43.70-Figure J12
Final Section
Extension-L
Extension-R
Extended up slope
Extended up slope
Elevation in Feet above MSL
Station in Feet
860
840
820
800
780
760
740
0
500
1000
1500
2000
2500

7. Results/Conclusions

The cross-sections modified as shown in Figures J1 through J12 were extended vertically to allow 600,000 cfs flow to be contained within each cross-section. The cross-sections at River Miles 79.8 and 77.7 were modified so that each cross-section's weighted width values increases from elevation 950 to elevation 960, which more closely resemble actual reservoir conditions. The modified cross-sections are adequate for use in the parent calculation for SOCH model calibration.

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Appendix K - Dam Rating Curve Extrapolation
with file:

Dam Rating Curve Extrapolation.xls

Original HEC-RAS Geometry

```
Geom Title=Melton Hill wCOE data
Program Version=3.13
Viewing Rectangle= 0 , 1 , 1 , 0

River Reach=RIVER-1        ,Reach-1
Reach XY= 2
        .5        .95        .5        .05
Rch Text X Y=0.5,0.725
Reverse River Text= 0

Type RM Length L Ch R = 1 ,79.8    ,9300,9300,9300
BEGIN DESCRIPTION:
Section is from data 600 feet downstream of dam
END DESCRIPTION:
Node Last Edited Time=May/11/2009 14:38:53
#Sta/Elev= 18
   220    980    300    960    480    900    670    880    781    840
   840    830    860  823.5    880    821    920  818.8   1020  818.7
  1127    822   1140  823.5   1160    830   1200    850   1350    880
  1400    900   1470    960   1490    980
#Mann= 3 , 0 , 0
   220    .14      0    860   .036      0   1140    .14      0
Bank Sta=860,1140
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,77.7    ,11100,11100,11100
Node Last Edited Time=May/11/2009 14:39:34
#Sta/Elev= 15
   550    980    650    900    800    840    830    820    900  813.9
   968  811.8   1040  810.7   1100  815.3   1140  817.8   1160    820
  1230    840   1500    860   1600    880   1850    900   2140    980
#Mann= 3 , 0 , 0
   550    .09      0    830   .035      0   1160    .07      0
Bank Sta=830,1160
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,75.6    ,10300.02,10300.02,10300.02
Node Last Edited Time=May/11/2009 14:39:54
#Sta/Elev= 18
     0    980    400    900    580    880    750    860    900    840
  1020    820   1070  810.7   1080  806.5   1200  806.5   1250  807.3
  1320  806.7   1330    812   1347  819.9   1400    840   1440    860
  1500    880   1600    900   1800    980
#Mann= 3 , 0 , 0
```

```
    0    .08     0   1070   .033     0   1330    .07     0
Bank Sta=1070,1330
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,73.5    ,10800,10800,10800
Node Last Edited Time=May/11/2009 14:40:17
#Sta/Elev= 19
   334    920    447    900    553    880    623    860    721   829.7
   827   819.7    880    809    890   804.5    960   799.2   1040   802.6
  1080   803.2   1100   804.6   1120   804.8   1190   816.1   1204    820
  1260    840    1316    860   1466    900    1531    920
#Mann= 3 , 0 , 0
   334     .1     0    880   .028     0   1204     .1     0
Bank Sta=880,1204
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,71.4    ,10900,10900,10900
Node Last Edited Time=May/11/2009 14:40:52
#Sta/Elev= 16
   580    920    650    880    800    820    801   805.9    820   803.9
   880   803.8    950   799.8   1040   797.8   1120    804   1180   802.5
  1200   805.9   1250    820   1740   839.9   2000    860   2200    880
  2400    920
#Mann= 3 , 0 , 0
   580     .1     0    801   .025     0   1740    .06     0
Bank Sta=801,1740
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,69.3    ,10800,10800,10800
BEGIN DESCRIPTION:
Right bank n value changed because of open fields
END DESCRIPTION:
Node Last Edited Time=May/11/2009 14:41:08
#Sta/Elev= 19
   308    920    390    880    454    860    511    840    700    820
   780    804    790    801    840   799.3    920   798.7    970   798.7
  1020   799.2   1080   799.7   1210    801   1220   803.7   1300    820
  1413   840.2   1461    860   1500    880   1550    920
#Mann= 3 , 0 , 0
   308    .13     0    780   .035     0   1220    .06     0
Bank Sta=780,1220
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,67.2    ,10700,10700,10700
Node Last Edited Time=May/11/2009 14:41:35
#Sta/Elev= 18
```

```
   80   920   280   860   450   830   650   820   740   798
  860  790.7   970  796.6  1032  796.7  1160  795.3  1259  797.8
 1260   800   1350   810   1400   815   1630  815.3  1700   820
 1800   850   1850   860   1950   920
#Mann= 3 , 0 , 0
   80   .07    0   740   .02    0   1260   .07    0
Bank Sta=740,1260
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,65.1    ,11400,11400,9500
Node Last Edited Time=May/11/2009 14:41:47
#Sta/Elev= 17
  600   910   648   860   750  802.1   800  796.6   850  789.3
 1000  788.6  1110   787  1180   789   1193   792   1200  799.8
 1220   810   1250   815  1550   815   1580   820   1747  839.3
 1860   860   2400   910
#Mann= 3 , 0 , 0
  600   .08    0   800   .03    0   1220   .08    0
Bank Sta=800,1220
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,63      ,10600,10600,9200
BEGIN DESCRIPTION:
Cut off at RR on Right
END DESCRIPTION:
Node Last Edited Time=May/11/2009 14:41:59
#Sta/Elev= 20
  272   910   333   860   379   820   733  816.7   750   810
  778   800   792   796   850  791.5   874  783.7  1000   781
 1100   782  1140   784  1152   792   1190   805   1300  813.9
 1800  823.8  1858   840  2500   840   3149   840   3150   910
#Mann= 3 , 0 , 0
  272   .06    0   778   .03    0   1190   .06    0
Bank Sta=778,1190
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,60.9    ,11300,11300,11300
BEGIN DESCRIPTION:
Cut off at RR on right
END DESCRIPTION:
Node Last Edited Time=May/11/2009 14:42:14
#Sta/Elev= 18
  400   910   523   860   819  794.1   820  791.7   833  785.48
 858.9   781   920  780.6  962.1   777   1027   777   1050  776.52
1089.4 777.88  1112  780.5  1152   792   1160   800   1520   820
 1899   840   2549   840   2550   910
```

```
#Mann= 3 , 0 , 0
   400    .12      0    820    .03      0   1160    .06      0
Bank Sta=820,1160
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,58.8    ,10700,10000,9200
Node Last Edited Time=May/11/2009 14:42:49
#Sta/Elev= 20
   547    880    547    860    550    860    700    820    760   799.4
   772    794    810    791    830    784    870  773.08    940  774.11
  1000  774.67   1048  774.57   1112  775.32  1115.3    781   1120    789
  1146    792   1150    800   1158   807.4   1725    811   2446    880
#Mann= 3 , 0 , 0
   547     .1      0    760   .025      0   1150    .12      0
Bank Sta=760,1150
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,57.0    ,10800,10800,10800
Node Last Edited Time=May/11/2009 14:43:10
#Sta/Elev= 19
  -135    880     35    860    211    840    471    820    740    803
   768   790.7    854   781.4    885   776.5    925   776.1    947   775.6
   973   775.1   1024   775.1   1066   775.9   1144   774.8   1192    796
  1240   804.4   1632    820   2023    860   2132    880
#Mann= 3 , 0 , 0
  -135    .08      0    740   .025      0   1192    .09      0
Bank Sta=740,1192
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,55.0    ,10600,10600,10600
Node Last Edited Time=May/11/2009 14:43:25
#Sta/Elev= 20
   600    860    678    820    736   807.8    757   803.8    820   799.5
 832.8    775    880    774    900   774.3    950   773.7   1000   773.7
  1050   773.5   1120    774  1146.3    782  1165.4    792   1178   791.3
  1230    798   1248    800   1700    820   2000    840   2400    860
#Mann= 3 , 0 , 0
   600    .08      0    820   .024      0   1230    .12      0
Bank Sta=820,1230
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,53.1    ,10500,10500,10500
Node Last Edited Time=May/11/2009 14:49:42
#Sta/Elev= 23
   -72    860    100    840    400    800    766    800    779    795
   828    785    900    781    944  776.36    990  774.68   1037  774.22
```

```
   1060    774   1112  773.28   1134  773.66   1159  773.49   1250  775.17
   1276    778   1280   781.5   1389   793.4   1395    795   1401    800
   1512    820   1542    840   1583    860
#Mann= 3 , 0 , 0
   -72    .09     0    779   .021     0   1395    .09     0
Bank Sta=779,1395
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,51.0    ,14200,14200,14200
Node Last Edited Time=May/11/2009 15:24:10
#Sta/Elev= 20
   979    860   1215    840   1500    799   1778    795   1785    785
   1822  774.4   1850  772.65   1900  771.63   1980  770.69   2020  770.23
   2127  769.29   2170  769.48   2197    778   2202  784.6   2293    795
   2400    795   2420    800   2552    820   2591    840   2625    860
#Mann= 4 ,-1 , 0
   979    .1     0   1500   .045     0   1778    .02     0
   2293   .02     0
Bank Sta=1778,2293
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,48.3    ,10500,10500,10500
Node Last Edited Time=May/11/2009 14:44:35
#Sta/Elev= 20
   -153    860    -84    840     64  800.3     80  793.5    300  793.4
    549    793    693    780    767  774.43    809  773.87    837  778.16
    916  774.61    981    775   1026  769.76   1070  768.92   1172  770.13
   1190    779   1383    795   1514    820   1598    840   1678    860
#Mann= 3 , 0 , 0
   -153    .1     0     80   .02     0   1383    .1     0
Bank Sta=80,1383
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,46.2    ,9900,9900,9900
BEGIN DESCRIPTION:
Left bank n value changed because of open industrial area
END DESCRIPTION:
Node Last Edited Time=May/11/2009 14:44:52
#Sta/Elev= 19
    159    860    243    840    393    820    641    800    699    795
    795    780    830  767.7    850  766.8    891  762.6   1000  761.8
   1065  762.6   1150  768.4   1170  770.8   1249  783.3   1510  786.4
   1600    795   1628    800   1885    840   2050    860
#Mann= 3 , 0 , 0
    159   .08     0    699   .02     0   1600    .11     0
Bank Sta=699,1600
```

Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,44.1 ,2000,2110,2200
BEGIN DESCRIPTION:
Downstream Reach Length changed becuase of added section
END DESCRIPTION:
Node Last Edited Time=May/11/2009 14:45:08
#Sta/Elev= 24

335	860	684	840	974	820	2000	800	2185	795
2331	768.6	2380	770	2540	760	2560	757.8	2620	757.2
2660	759.9	2700	782.5	2728	786.2	2806	785	2900	770
2932	759.9	2970	755.2	3050	756.3	3115	759.9	3271	780
3396	795	3405	827.7	3584	840	3754	860		

#Mann= 3 , 0 , 0

335	.12	0	2185	.022	0	3396	.12	0

Bank Sta=2185,3396
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,43.7 ,9100,8980,8800
BEGIN DESCRIPTION:
Added Section
END DESCRIPTION:
Node Last Edited Time=May/11/2009 14:45:22
#Sta/Elev= 21

578	840	680	795	780	794	790	784	800	783
890	772	900	769	940	759	980	755	1030	754
1050	753	1080	753	1090	754	1140	756	1180	759
1190	762	1240	768	1250	794	1290	795	1310	799
1397	840								

#Mann= 3 , 0 , 0

578	.1	0	680	.022	0	1290	.1	0

Bank Sta=680,1290
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,42 ,14800,14800,14800
Node Last Edited Time=May/11/2009 14:45:38
#Sta/Elev= 21

616	860	759	840	1182	820	1548	800	1600	794.7
1752	785.9	1852	768.8	1896	756.7	1984	753.5	2024	751.4
2048	750	2082	753.3	2100	753.9	2143	759	2271	785.4
2900	795	3100	800.6	3370	820	3650	820	4039	840
4128	860								

#Mann= 3 , 0 , 0

616	.1	0	1600	.022	0	2900	.1	0

Bank Sta=1600,2900
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,39.1 ,9600,10700,10700
BEGIN DESCRIPTION:
Right bank n value changed because of open fields
END DESCRIPTION:
Node Last Edited Time=May/11/2009 14:45:50
#Sta/Elev= 21

659	840	700	795	802	779.9	845	760	895	756
905	756.1	920	753	970	752.6	1020	751	1050	752
1070	754	1100	755	1110	756.3	1130	758	1155	765
1200	768.8	1275	782	1500	791.9	1535	795	1600	800
1981	840								

#Mann= 3 , 0 , 0

659	.1	0	700	.022	0	1535	.06	0

Bank Sta=700,1535
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,37.0 ,5300,5300,5300
BEGIN DESCRIPTION:
Underwater portion from mile 37.1 (Line A on map). Modified Reach Length because new section was added downstream
END DESCRIPTION:
Node Last Edited Time=May/11/2009 14:46:17
#Sta/Elev= 20

622	837.8	1100	833.5	1327	820	1395	800	1430	795
1470	780	1839	777.7	2050	779	2079	781.9	2199	782.4
2295	770	2336	751.3	2586	751.5	2590	754.9	2725	778.8
2770	780.3	2800	782	3024	786.6	3050	795	3320	840

#Mann= 3 , 0 , 0

622	.1	0	1430	.022	0	3050	.12	0

Bank Sta=1430,3050
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,36.0 ,7300,7400,7500
BEGIN DESCRIPTION:
Added Section
END DESCRIPTION:
Node Last Edited Time=May/11/2009 14:46:38
#Sta/Elev= 13

0	838	200	795	233	792	300	783	380	779
440	775	490	771	570	751	760	749	880	774
990	792	1030	795	1200	839				

#Mann= 3 , 0 , 0

0	.1	0	200	.022	0	1030	.12	0

Bank Sta=200,1030
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,34.6 ,4900,5500,5500
Node Last Edited Time=May/11/2009 14:46:51
#Sta/Elev= 21
559 840 644 795 691 776.7 731 775.2 761 768.5
785 760.8 803 756.7 843 748.5 951 748.9 1027 758.6
1051 757.4 1114 751.8 1137 749.9 1205 750.6 1260 753
1316 758.9 1500 780 1600 789.9 1650 795 1700 800
1949 840
#Mann= 3 , 0 , 0
559 .1 0 644 .022 0 1650 .12 0
Bank Sta=644,1650
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,33.6 ,6500,11400,11400
Node Last Edited Time=May/11/2009 14:47:19
#Sta/Elev= 29
-109 840 24 820 273 795 373 787.5 882 772.4
1000 772.9 1240 774.4 1550 775.5 1668 774.6 1826 756.7
1850 755 1865 751.3 1880 748.7 2018 745.1 2059 742.9
2066 743.4 2185 744.2 2194 752 2267 765 2294 765.7
2325 769.2 2400 767 2460 768 2590 772 2660 773.9
2871 777 2965 795 2974 800 3111 840
#Mann= 3 , 0 , 0
-109 .09 0 273 .024 0 2965 .13 0
Bank Sta=273,2965
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,31.5 ,6300,6300,6300
BEGIN DESCRIPTION:
Left bank n value changed because of open fields and yards
END DESCRIPTION:
Node Last Edited Time=May/11/2009 14:47:30
#Sta/Elev= 18
302 840 489 795.2 601 771.1 676 768.5 733 760.8
783 756.7 864 750.5 883 754 993 744.2 1032 738.8
1114 742.1 1137 746 1245 761.4 1287 762 1322 773.2
1399 795 1432 800 1673 840
#Mann= 3 , 0 , 0
302 .04 0 489 .024 0 1399 .14 0
Bank Sta=489,1399
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,30.1 ,6000,6000,6000
Node Last Edited Time=May/11/2009 14:47:51
#Sta/Elev= 21

```
   608    840    628    820    664  795.2    700  771.1    744    750
   762    744    809  741.8    864  741.4    883  740.8    993  741.8
  1053  742.5   1105    754   1173  767.3   1245  766.8   1365  768.6
  1408  771.1   1500  779.7   1665    790   1748    795   1981    820
  2085    840
#Mann= 3 , 0 , 0
   608     .1      0    664   .024      0   1665    .14      0
Bank Sta=664,1665
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,29.0    ,8300,8300,8300
Node Last Edited Time=May/11/2009 14:48:03
#Sta/Elev= 24
     0    840    430    820    560    795    590    788    631  778.9
   750  769.2    815  766.2    959  763.2   1030    753   1068    746
  1100    742   1145    742   1150  740.8   1195    741   1250  739.7
  1322  739.7   1400  741.2   1430    749   1483  764.5   1510    768
  1534    773   1562  792.5   1595    820   1620    840
#Mann= 3 , 0 , 0
     0    .12      0    560   .024      0   1562    .14      0
Bank Sta=560,1562
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,27.3    ,10900,10900,10900
BEGIN DESCRIPTION:
Left bank n value changed because of wooded area
END DESCRIPTION:
Node Last Edited Time=May/11/2009 14:48:17
#Sta/Elev= 23
   378    840    579    820    641    795    646    792    674  777.4
   676  774.6    680  767.5    724    762    800  741.8    900  737.3
  1000  737.1   1100  738.2   1184  741.8   1200  746.7   1247    758
  1275    762   1290  763.2   1357  763.7   1410  765.5   1616    792
  1623    794   1719    820   1788    840
#Mann= 3 , 0 , 0
   378     .1      0    641   .024      0   1623    .14      0
Bank Sta=641,1623
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,25.2    ,10600,10600,10600
Node Last Edited Time=May/11/2009 14:48:34
#Sta/Elev= 26
   293    840    332    820    374    800    384    795    499    760
   624  756.8    700  757.7    722  752.7    785  744.5    800  743.2
   819  736.8    900    735    925    736   1000  734.5   1140  736.4
  1160    736   1180  736.6   1200  737.7   1255    745   1287  752.6
```

```
   1331    760   1384    765   1438    780   1482    795   1544    820
   1608    840
#Mann= 3 , 0 , 0
   293    .12     0    384   .024     0   1482    .12     0
Bank Sta=384,1482
Exp/Cntr=0.3,0.1

Type RM Length L Ch R = 1 ,23.1    ,0,0,0
BEGIN DESCRIPTION:
Underwater data from about 500 ft avove dam
END DESCRIPTION:
Node Last Edited Time=May/11/2009 14:52:53
#Sta/Elev= 24
   118    820    350    800    378    795    415    781    478   770.6
   566   767.8    624   755.2    635   751.1    722   744.3    752    754
   772    756    810    756    835   753.3    925    730   1000   731.5
  1080   732.1   1140    737   1172    759   1195   760.8   1230    760
  1235    770   1284   768.8   1332    795   1375    820
#Mann= 3 , 0 , 0
   118    .08     0    378   .024     0   1332    .14     0
Bank Sta=378,1332
Exp/Cntr=0.3,0.1

Chan Stop Cuts=-1
Use User Specified Reach Order=0
User Specified Reach Order=RIVER-1        ,Reach-1
```

CDQ000020080038 Rev 0

Attachment_02_CDQ000020080013_Dam_Rating_Curve_Melton Hill_Rev 1_10FEB09.pdf
with attachments:

Melton Hill Rating Curve (Turbines Added).xls

CDQ000020080038 Rev 0

Attachment_03_CDQ000020080015_Dam_Rating_Curve_Norris_Rev 0_10FEB09.pdf
with attachments:

Norris Rating Curve.xls

Attachment 4
Source: Reference 2.5

Calculation No: CDQ000020080038

Melton Hill Dam CRM 23.10
HW and Q - microfilmed hourly water records

Entered by JMF 7/14/08
Checked by BCH 7/14/08

Date	Time	HW Elev	Discharge Q (cfs)
3/14/73	1	794.00	0
	2	794.00	0
	3	794.04	0
	4	794.05	0
	5	794.05	0
	6	794.05	0
	7	794.06	0
	8	794.09	0
	9	794.10	0
	10	794.10	0
	11	794.10	0
	12	794.11	0
	13	794.11	0
	14	794.14	0
	15	794.16	0
	16	794.21	0
	17	794.19	0
	18	793.90	2140
	19	793.90	9910
	20	793.90	9990
	21	793.99	0
	22	794.01	0
	23	793.87	0
	24	793.88	0
3/15/73	1	793.84	0
	2	793.97	0
	3	794.00	0
	4	793.91	0
	5	794.01	0
	6	794.01	0
	7	794.15	0
	8	794.03	5096
	9	794.05	6030
	10	794.14	9950
	11	794.08	10070
	12	794.08	10160
	13	794.27	4040
	14	794.19	0
	15	794.26	0
	16	794.33	0
	17	794.38	0
	18	794.25	3940
	19	794.30	10290
	20	794.54	9260
	21	794.58	0
	22	794.68	0
	23	794.76	0
	24	794.73	3990
3/16/73	1	794.75	10010
	2	794.83	12090
	3	794.93	20500
	4	794.76	21440

Clinch River at Clinton, TN CRM 58.8
Abstracted from streamgage chart

Entered by JMF 8/12/08
Checked by by BCH 8/25/08

Date	Time	WS Elev
3/14/73	0	794.00
	16	794.27
	18	794.24
	20	794.30
	22	793.60
	24	794.27
3/15/73	3	793.95
	9.5	794.60
	11.5	794.21
	15	794.15
	16.5	794.63
	18	794.55
	20	794.75
	22	794.44
	24	795.35
3/16/73	2.25	795.25
	19	797.70
	21.5	797.76
3/17/73	11.5	794.78
	18	794.35
3/18/73	1	794.25
	2.5	794.90
	4	794.81
	8	795.33
	9.5	794.76
	11	794.85
	21	794.03
	23.25	793.20
3/19/73	7	793.79
	11.5	792.34
	14.25	793.00
	16	792.75
	19	793.10
	22	793.05
	24	793.25
3/20/73	7.5	794.85
	11.5	794.30
	24	794.74

Clinch River, Mile 78.8
Abstracted from streamgage chart
Gage Zero = 819.11
Entered by JMF 8/12/08
Checked by BY BCH 8/25/08

Date	Time	Stage	WS Elev
3/14/73	0	1.28	820.39
	12	1.28	820.39
	12.25	2.80	821.91
	13	1.75	820.86
	15	1.35	820.46
	19	1.29	820.40
3/15/73	7	1.30	820.41
3/16/73	3	1.30	820.41
	6	1.35	820.46
	7	1.40	820.51
	24	1.40	820.51
3/18/73	12	1.30	820.41
3/19/73	20.75	1.30	820.41
	21	5.40	824.51
	21.5	5.75	824.86
	22	5.80	824.91
	23	5.80	824.91
	23.5	5.90	825.01
3/20/73	7	5.90	825.01
	7.5	5.80	824.91
	24	5.80	824.91

Norris Dam CRM 79.8

Q - microfilmed Hourly Water Records
Entered by JMF 7/14/08
Checked by BCH 7/14/08

Date	Time	charge Q (cfs)
3/14/73	1	0
	2	0
	3	0
	4	0
	5	0
	6	0
	7	0
	8	0
	9	0
	10	0
	11	1330
	12	0
	13	0
	14	0
	15	0
	16	0
	17	0
	18	0
	19	0
	20	0
	21	0
	22	0
	23	0
	24	0
3/15/73	1	0
	2	0
	3	0
	4	0
	5	0
	6	0
	7	0
	8	0
	9	0
	10	0
	11	0
	12	0
	13	0
	14	0
	15	0
	16	0
	17	0
	18	0
	19	0
	20	0
	21	0
	22	0
	23	0
	24	0
3/16/73	1	0
	2	0
	3	0
	4	0

Attachment 4
Source: Reference 2.5

Calculation No: CDQ000020080038

Melton Hill Dam CRM 23.10
HW and Q - microfilmed hourly water records

Entered by JMF 7/14/08
Checked by BCH 7/14/08

Date	Time	HW Elev	Discharge Q (cfs)
	5	794.78	21210
	6	794.73	21450
	7	794.87	22820
	8	795.00	22550
	9	795.04	22140
	10	795.13	23010
	11	795.20	23540
	12	795.25	23500
	13	795.34	23970
	14	795.55	23320
	15	795.87	23260
	16	796.15	23490
	17	796.20	23680
	18	796.33	33450
	19	796.30	33300
	20	796.26	43430
	21	796.01	43390
	22	795.90	43090
	23	795.71	43210
	24	795.58	43380
3/17/73	1	795.40	42768
	2	795.20	42920
	3	795.29	42740
	4	795.10	33450
	5	795.01	33350
	6	794.90	33760
	7	794.74	33660
	8	794.63	33400
	9	794.40	33620
	10	794.40	26600
	11	794.54	23550
	12	794.30	23990
	13	794.10	23510
	14	794.14	22230
	15	793.97	21360
	16	793.95	16050
	17	793.98	15640
	18	794.05	13690
	19	794.03	12250
	20	794.04	12290
	21	794.04	12400
	22	794.03	12210
	23	794.00	10950
	24	794.25	0
3/18/73	1	794.36	0
	2	794.43	0
	3	794.59	0
	4	794.68	0
	5	794.78	0
	6	794.74	2960
	7	794.66	12120
	8	794.71	11860
	9	794.75	11590

Clinch River at Clinton, TN CRM 58.8
Abstracted from streamgage chart

Entered by JMF 8/12/08
Checked by by BCH 8/25/08

Date	Time	WS Elev

Clinch River, Mile 78.8
Abstracted from streamgage chart
Gage Zero = 819.11
Entered by JMF 8/12/08
Checked by BY BCH 8/25/08

Date	Time	Stage	WS Elev

Norris Dam CRM 79.8

Q - microfilmed Hourly Water Records
Entered by JMF 7/14/08
Checked by BCH 7/14/08

Date	Time	charge Q (cfs)
	5	0
	6	0
	7	0
	8	0
	9	0
	10	0
	11	0
	12	0
	13	0
	14	0
	15	0
	16	0
	17	0
	18	0
	19	0
	20	0
	21	0
	22	0
	23	0
	24	0
3/17/73	1	0
	2	0
	3	0
	4	0
	5	0
	6	0
	7	0
	8	0
	9	0
	10	0
	11	0
	12	0
	13	0
	14	0
	15	0
	16	0
	17	0
	18	0
	19	0
	20	0
	21	0
	22	0
	23	0
	24	0
3/18/73	1	0
	2	0
	3	0
	4	0
	5	0
	6	0
	7	0
	8	0
	9	0

Attachment 4
Source: Reference 2.5

Calculation No: CDQ000020080038

Melton Hill Dam CRM 23.10
HW and Q - microfilmed hourly water records

Entered by JMF 7/14/08
Checked by BCH 7/14/08

Date	Time	HW Elev	Discharge Q (cfs)
	10	794.68	11420
	11	794.55	11530
	12	794.44	11530
	13	794.40	11500
	14	794.37	11460
	15	794.28	11260
	16	794.20	11280
	17	794.11	11430
	18	794.03	11600
	19	793.97	11780
	20	793.59	22410
	21	793.34	22180
	22	793.48	11590
	23	793.24	11570
	24	793.45	5860
3/19/73	1	793.36	0
	2	793.36	0
	3	793.50	0
	4	793.60	0
	5	793.31	520
	6	793.27	11790
	7	792.96	17200
	8	792.80	22990
	9	792.69	23310
	10	792.75	15250
	11	792.84	4870
	12	792.80	0
	13	792.67	0
	14	792.55	0
	15	792.65	0
	16	792.80	0
	17	792.79	0
	18	792.85	0
	19	792.87	0
	20	793.00	0
	21	793.04	0
	22	793.05	0
	23	793.09	0
	24	793.13	0
3/20/73	1	793.26	0
	2	793.27	0
	3	793.54	0
	4	793.71	0
	5	793.57	0
	6	793.70	7960
	7	793.66	21665
	8	793.60	21110
	9	793.45	21650
	10	793.47	20930
	11	793.53	11290
	12	793.50	10270
	13	793.65	11060
	14	793.65	10800

Elevation changed due to error in compiling spreadsheet. JAW 5-6-09

Clinch River at Clinton, TN CRM 58.8
Abstracted from streamgage chart

Entered by JMF 8/12/08
Checked by by BCH 8/25/08

Date	Time	WS Elev

Clinch River, Mile 78.8
Abstracted from streamgage chart
Gage Zero = 819.11
Entered by JMF 8/12/08
Checked by BY BCH 8/25/08

Date	Time	Stage	WS Elev

Norris Dam CRM 79.8

Q - microfilmed Hourly Water Records
Entered by JMF 7/14/08
Checked by BCH 7/14/08

Date	Time	charge Q (cfs)
	10	0
	11	0
	12	0
	13	0
	14	0
	15	0
	16	0
	17	0
	18	0
	19	0
	20	0
	21	0
	22	0
	23	0
	24	0
3/19/73	1	0
	2	0
	3	0
	4	0
	5	0
	6	0
	7	0
	8	0
	9	0
	10	0
	11	0
	12	0
	13	0
	14	0
	15	0
	16	0
	17	0
	18	0
	19	0
	20	4280
	21	8440
	22	8780
	23	8890
	24	8890
3/20/73	1	8890
	2	8890
	3	8890
	4	8890
	5	8890
	6	8760
	7	8770
	8	8720
	9	8660
	10	8660
	11	8720
	12	8720
	13	8660
	14	8720

Attachment 4
Source: Reference 2.5

Calculation No: CDQ000020080038

Melton Hill Dam CRM 23.10
HW and Q - microfilmed hourly water records

Entered by JMF 7/14/08
Checked by BCH 7/14/08

Date	Time	HW Elev	Discharge Q (cfs)
	15	793.68	10630
	16	793.70	10840
	17	793.72	10890
	18	793.61	11060
	19	793.77	11050
	20	793.80	11050
	21	793.83	11000
	22	793.86	10900
	23	793.90	11030
	24	793.94	11060

Clinch River at Clinton, TN CRM 58.8
Abstracted from streamgage chart

Entered by JMF 8/12/08
Checked by by BCH 8/25/08

Date	Time	WS Elev

Clinch River, Mile 78.8
Abstracted from streamgage chart
Gage Zero = 819.11
Entered by JMF 8/12/08
Checked by BY BCH 8/25/08

Date	Time	Stage	WS Elev

Norris Dam CRM 79.8

Q - microfilmed Hourly Water Records
Entered by JMF 7/14/08
Checked by BCH 7/14/08

Date	Time	charge Q (cfs)
	15	9160
	16	8720
	17	8660
	18	8720
	19	8720
	20	8780
	21	8660
	22	8780
	23	8780
	24	8780

Attachment 5
Source: Reference 2.5

Calculation No: CDQ000020080038

Melton Hill Dam CRM 23.10
HW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date	Time	HW Elev	Discharge Q (cfs)
5/3/03	1	793.72	0
	2	793.76	0
	3	793.86	0
	4	793.67	496
	5	793.82	8258
	6	793.76	8254
	7	793.85	8272
	8	793.71	8338
	9	793.68	8345
	10	793.62	8327
	11	793.60	8232
	12	793.54	8317
	13	793.50	8308
	14	793.44	8311
	15	793.40	8309
	16	793.34	8342
	17	793.30	8272
	18	793.26	8228
	19	793.21	8210
	20	793.16	8344
	21	793.13	8281
	22	793.30	263
	23	793.31	0
	24	793.38	0
5/4/03	1	793.49	0
	2	793.60	0
	3	793.64	0
	4	793.68	0
	5	793.75	0
	6	793.85	0
	7	793.93	0
	8	794.01	0
	9	794.10	0
	10	794.16	0
	11	794.25	0
	12	794.09	469
	13	794.20	8719
	14	794.09	8805
	15	794.18	8798
	16	794.05	8790
	17	794.01	8793
	18	793.96	8794
	19	793.90	8791
	20	793.85	8778

Norris Dam CRM 79.8
TW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date and Time	TW elev	Discharge Q (cfs)
5/3/03 1:00	825.56	4749
5/3/03 2:00	825.56	4744
5/3/03 3:00	825.56	4753
5/3/03 4:00	825.56	4759
5/3/03 5:00	825.56	4764
5/3/03 6:00	825.56	4754
5/3/03 7:00	825.56	4748
5/3/03 8:00	825.56	4756
5/3/03 9:00	825.56	4745
5/3/03 10:00	825.56	4750
5/3/03 11:00	825.56	4746
5/3/03 12:00	825.56	4748
5/3/03 13:00	825.56	4750
5/3/03 14:00	825.55	4749
5/3/03 15:00	825.55	4748
5/3/03 16:00	825.55	4742
5/3/03 17:00	825.55	4751
5/3/03 18:00	825.55	4741
5/3/03 19:00	825.55	4752
5/3/03 20:00	825.56	4765
5/3/03 21:00	825.56	4753
5/3/03 22:00	825.56	4749
5/3/03 23:00	825.56	4756
5/4/03 0:00	825.56	4743
5/4/03 1:00	825.56	4750
5/4/03 2:00	825.56	4755
5/4/03 3:00	825.56	4745
5/4/03 4:00	825.56	4747
5/4/03 5:00	825.56	4736
5/4/03 6:00	825.56	4750
5/4/03 7:00	825.56	4763
5/4/03 8:00	825.56	4769
5/4/03 9:00	825.56	4761
5/4/03 10:00	825.56	4752
5/4/03 11:00	825.56	4766
5/4/03 12:00	825.56	4758
5/4/03 13:00	825.56	4767
5/4/03 14:00	825.56	4763
5/4/03 15:00	825.56	4767
5/4/03 16:00	825.56	4766
5/4/03 17:00	825.56	4763
5/4/03 18:00	825.56	4713
5/4/03 19:00	825.56	4743
5/4/03 20:00	825.56	4763

Attachment 5
Source: Reference 2.5

Calculation No: CDQ000020080038

Melton Hill Dam CRM 23.10
HW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date	Time	HW Elev	Discharge Q (cfs)
	21	793.78	8789
	22	793.96	8412
	23	793.86	0
	24	793.99	0
5/5/03	1	793.93	0
	2	794.10	0
	3	794.16	0
	4	794.23	0
	5	794.29	0
	6	794.13	9019
	7	794.14	9235
	8	794.17	9255
	9	794.06	9246
	10	794.00	9266
	11	793.92	9242
	12	793.93	9251
	13	793.85	9240
	14	793.80	9256
	15	793.68	9245
	16	793.67	9224
	17	793.66	9238
	18	793.60	9203
	19	793.69	9219
	20	793.84	9195
	21	793.83	9206
	22	793.83	9185
	23	793.83	9172
	24	793.81	9173
5/6/03	1	794.08	3726
	2	794.15	0
	3	794.27	0
	4	794.31	0
	5	794.36	7239
	6	794.30	9189
	7	794.36	9166
	8	794.31	9190
	9	794.34	9174
	10	794.41	9177
	11	794.46	9165
	12	794.53	9175
	13	794.62	9136
	14	794.61	9138
	15	794.60	9135
	16	794.56	9112
	17	794.52	9113

Norris Dam CRM 79.8
TW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date and Time	TW elev	Discharge Q (cfs)
5/4/03 21:00	825.56	4764
5/4/03 22:00	825.56	4766
5/4/03 23:00	825.56	4764
5/5/03 0:00	825.56	4766
5/5/03 1:00	825.56	4768
5/5/03 2:00	825.56	4758
5/5/03 3:00	825.56	4762
5/5/03 4:00	825.56	4761
5/5/03 5:00	825.56	4764
5/5/03 6:00	825.56	4728
5/5/03 7:00	825.56	4705
5/5/03 8:00	825.55	4689
5/5/03 9:00	825.55	4688
5/5/03 10:00	825.54	4683
5/5/03 11:00	825.54	4689
5/5/03 12:00	825.54	4691
5/5/03 13:00	825.54	4694
5/5/03 14:00	825.54	4694
5/5/03 15:00	825.54	4691
5/5/03 16:00	825.54	4691
5/5/03 17:00	825.54	4690
5/5/03 18:00	825.54	4687
5/5/03 19:00	825.54	4690
5/5/03 20:00	825.54	4692
5/5/03 21:00	825.54	4692
5/5/03 22:00	825.54	4692
5/5/03 23:00	825.54	4690
5/6/03 0:00	825.54	4692
5/6/03 1:00	825.54	4690
5/6/03 2:00	825.54	4688
5/6/03 3:00	825.54	4695
5/6/03 4:00	825.54	4690
5/6/03 5:00	825.54	4691
5/6/03 6:00	825.54	4692
5/6/03 7:00	825.54	4693
5/6/03 8:00	825.54	4695
5/6/03 9:00	825.42	1011
5/6/03 10:00	825.22	0
5/6/03 11:00	825.02	0
5/6/03 12:00	824.83	0
5/6/03 13:00	824.64	0
5/6/03 14:00	824.44	0
5/6/03 15:00	824.26	0
5/6/03 16:00	824.07	0
5/6/03 17:00	823.88	0

Attachment 5
Source: Reference 2.5

Calculation No: CDQ000020080038

Melton Hill Dam CRM 23.10
HW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date	Time	HW Elev	Discharge Q (cfs)
	18	794.50	9130
	19	794.47	9105
	20	794.42	9194
	21	794.36	9754
	22	794.30	9884
	23	794.23	10252
	24	794.16	10222
5/7/03	1	794.07	10236
	2	793.97	10252
	3	793.87	10218
	4	793.84	10193
	5	793.80	10183
	6	793.72	10190
	7	793.63	10180
	8	793.55	10924
	9	793.47	10859
	10	793.40	10838
	11	793.30	10822
	12	793.21	10830
	13	793.15	10851
	14	793.10	10840
	15	793.01	10871
	16	792.92	10858
	17	792.85	10863
	18	792.76	10784
	19	792.68	10793
	20	792.60	10754
	21	792.73	3001
	22	792.79	0
	23	792.74	0
	24	792.86	0
5/8/03	1	792.92	0
	2	793.05	0
	3	793.15	0
	4	793.18	0
	5	793.24	0
	6	793.35	0
	7	793.41	0
	8	793.46	0
	9	793.50	0
	10	793.54	0
	11	793.62	0
	12	793.69	0
	13	793.74	0
	14	793.79	0

Norris Dam CRM 79.8
TW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date and Time	TW elev	Discharge Q (cfs)
5/6/03 18:00	823.71	0
5/6/03 19:00	823.53	12
5/6/03 20:00	823.52	2297
5/6/03 21:00	823.42	236
5/6/03 22:00	823.29	0
5/6/03 23:00	823.16	0
5/7/03 0:00	823.03	0
5/7/03 1:00	822.89	0
5/7/03 2:00	822.76	0
5/7/03 3:00	822.63	0
5/7/03 4:00	822.50	0
5/7/03 5:00	822.38	0
5/7/03 6:00	822.25	0
5/7/03 7:00	822.13	0
5/7/03 8:00	822.01	0
5/7/03 9:00	822.10	2266
5/7/03 10:00	822.12	0
5/7/03 11:00	822.08	0
5/7/03 12:00	822.05	0
5/7/03 13:00	822.02	0
5/7/03 14:00	822.01	0
5/7/03 15:00	821.98	0
5/7/03 16:00	821.96	0
5/7/03 17:00	821.94	0
5/7/03 18:00	821.92	0
5/7/03 19:00	821.84	0
5/7/03 20:00	821.74	0
5/7/03 21:00	821.87	2792
5/7/03 22:00	821.94	0
5/7/03 23:00	821.92	0
5/8/03 0:00	821.87	0
5/8/03 1:00	821.81	0
5/8/03 2:00	821.75	0
5/8/03 3:00	821.69	0
5/8/03 4:00	821.62	0
5/8/03 5:00	821.55	0
5/8/03 6:00	821.48	0
5/8/03 7:00	821.40	0
5/8/03 8:00	821.33	0
5/8/03 9:00	821.26	0
5/8/03 10:00	821.19	0
5/8/03 11:00	821.12	0
5/8/03 12:00	821.05	12
5/8/03 13:00	821.22	3162
5/8/03 14:00	821.43	3441

Attachment 5
Source: Reference 2.5

Calculation No: CDQ000020080038

Melton Hill Dam CRM 23.10
HW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date	Time	HW Elev	Discharge Q (cfs)
	15	793.84	0
	16	793.59	10716
	17	793.67	2450
	18	793.89	0
	19	793.76	0
	20	793.96	0
	21	794.03	0
	22	794.24	0
	23	794.29	0
	24	794.28	0
5/9/03	1	794.31	0
	2	794.36	0
	3	794.42	0
	4	794.46	0
	5	794.51	0
	6	794.54	0
	7	794.59	0
	8	794.65	0
	9	794.65	0
	10	794.66	0
	11	794.70	0
	12	794.76	0
	13	794.80	0
	14	794.57	509
	15	794.60	11199
	16	794.42	11210
	17	794.47	11201
	18	794.31	11206
	19	794.20	11200
	20	794.03	11180
	21	793.86	11112
	22	794.06	8262
	23	793.95	0
	24	793.87	0
5/10/03	1	793.91	0
	2	794.08	0
	3	794.16	0
	4	794.24	0
	5	794.23	0
	6	794.23	0
	7	794.25	0
	8	794.31	0
	9	794.31	0
	10	794.31	0
	11	794.35	0

Norris Dam CRM 79.8
TW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date and Time	TW elev	Discharge Q (cfs)
5/8/03 15:00	821.64	3436
5/8/03 16:00	821.85	3433
5/8/03 17:00	822.04	3411
5/8/03 18:00	822.14	237
5/8/03 19:00	822.10	0
5/8/03 20:00	822.06	0
5/8/03 21:00	822.05	0
5/8/03 22:00	821.97	0
5/8/03 23:00	821.88	0
5/9/03 0:00	821.80	0
5/9/03 1:00	821.71	0
5/9/03 2:00	821.63	0
5/9/03 3:00	821.54	0
5/9/03 4:00	821.46	14
5/9/03 5:00	821.61	2516
5/9/03 6:00	821.69	0
5/9/03 7:00	821.72	0
5/9/03 8:00	821.70	0
5/9/03 9:00	821.66	0
5/9/03 10:00	821.61	0
5/9/03 11:00	821.55	0
5/9/03 12:00	821.49	0
5/9/03 13:00	821.42	0
5/9/03 14:00	821.36	11
5/9/03 15:00	821.29	0
5/9/03 16:00	821.22	4
5/9/03 17:00	821.40	3363
5/9/03 18:00	821.62	3432
5/9/03 19:00	821.83	3433
5/9/03 20:00	822.04	3421
5/9/03 21:00	822.13	202
5/9/03 22:00	822.10	0
5/9/03 23:00	822.07	9
5/10/03 0:00	822.03	0
5/10/03 1:00	821.94	0
5/10/03 2:00	821.86	0
5/10/03 3:00	821.77	0
5/10/03 4:00	821.68	0
5/10/03 5:00	821.60	0
5/10/03 6:00	821.52	0
5/10/03 7:00	821.49	14
5/10/03 8:00	821.64	2569
5/10/03 9:00	821.73	0
5/10/03 10:00	821.75	0
5/10/03 11:00	821.72	0

Attachment 5
Source: Reference 2.5

Calculation No: CDQ000020080038

Melton Hill Dam CRM 23.10
HW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date	Time	HW Elev	Discharge Q (cfs)
	12	794.37	0
	13	794.41	0
	14	794.24	328
	15	794.26	8272
	16	794.12	8269
	17	794.16	8285
	18	794.03	8303
	19	793.97	8285
	20	793.83	8289
	21	793.72	8263
	22	793.69	8292
	23	793.81	1067
	24	793.84	0
5/11/03	1	793.85	0
	2	793.91	0
	3	793.95	0
	4	793.98	0
	5	794.04	0
	6	793.96	0
	7	794.00	0
	8	794.09	0
	9	794.20	0
	10	794.26	0
	11	794.25	0
	12	794.26	0
	13	794.24	0
	14	794.30	0
	15	794.29	109
	16	794.19	6945
	17	794.11	7700
	18	794.11	7619
	19	794.02	7156
	20	793.97	7247
	21	793.87	7303
	22	793.87	7164
	23	793.91	12
	24	794.06	0
5/12/03	1	794.01	0
	2	794.08	0
	3	794.07	0
	4	794.13	0
	5	794.16	0
	6	794.18	0
	7	794.18	0
	8	794.21	0

Norris Dam CRM 79.8
TW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date and Time	TW elev	Discharge Q (cfs)
5/10/03 12:00	821.67	0
5/10/03 13:00	821.62	0
5/10/03 14:00	821.56	12
5/10/03 15:00	821.72	3091
5/10/03 16:00	821.92	3430
5/10/03 17:00	822.13	3420
5/10/03 18:00	822.32	3427
5/10/03 19:00	822.39	243
5/10/03 20:00	822.32	0
5/10/03 21:00	822.24	0
5/10/03 22:00	822.15	0
5/10/03 23:00	822.06	0
5/11/03 0:00	821.96	0
5/11/03 1:00	821.87	0
5/11/03 2:00	821.77	0
5/11/03 3:00	821.67	0
5/11/03 4:00	821.58	0
5/11/03 5:00	821.48	12
5/11/03 6:00	821.63	2531
5/11/03 7:00	821.72	0
5/11/03 8:00	821.75	0
5/11/03 9:00	821.71	0
5/11/03 10:00	821.67	0
5/11/03 11:00	821.62	0
5/11/03 12:00	821.55	0
5/11/03 13:00	821.49	0
5/11/03 14:00	821.42	0
5/11/03 15:00	821.35	12
5/11/03 16:00	821.52	3180
5/11/03 17:00	821.74	3431
5/11/03 18:00	821.96	3433
5/11/03 19:00	822.17	3433
5/11/03 20:00	822.25	229
5/11/03 21:00	822.20	0
5/11/03 22:00	822.12	0
5/11/03 23:00	822.03	0
5/12/03 0:00	821.95	0
5/12/03 1:00	821.86	0
5/12/03 2:00	821.82	0
5/12/03 3:00	821.81	0
5/12/03 4:00	821.80	0
5/12/03 5:00	821.79	13
5/12/03 6:00	821.95	3162
5/12/03 7:00	822.15	3426
5/12/03 8:00	822.35	3424

Attachment 5
Source: Reference 2.5

Calculation No: CDQ000020080038

Melton Hill Dam CRM 23.10
HW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date	Time	HW Elev	Discharge Q (cfs)
	9	793.93	5663
	10	793.83	10328
	11	793.83	10338
	12	793.73	10375
	13	793.63	10342
	14	793.56	10689
	15	793.45	10943
	16	793.39	11020
	17	793.25	10980
	18	793.20	10959
	19	793.20	10985
	20	793.23	11021
	21	793.21	11007
	22	793.24	10970
	23	793.25	10977
	24	793.27	10904
5/13/03	1	793.27	10993
	2	793.28	10936
	3	793.29	10958
	4	793.30	11004
	5	793.31	11009
	6	793.31	10991
	7	793.31	10977
	8	793.32	10939
	9	793.32	10968
	10	793.31	11012
	11	793.28	10971
	12	793.33	11041
	13	793.30	11050
	14	793.30	11066
	15	793.29	11021
	16	793.32	11008
	17	793.31	10994
	18	793.31	10986
	19	793.31	10998
	20	793.31	11003
	21	793.31	10957
	22	793.30	10925
	23	793.31	10913
	24	793.31	10922
5/14/03	1	793.60	477
	2	793.67	0
	3	793.84	0
	4	794.00	29
	5	793.97	10892

Norris Dam CRM 79.8
TW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date and Time	TW elev	Discharge Q (cfs)
5/12/03 9:00	822.54	3406
5/12/03 10:00	822.73	3424
5/12/03 11:00	822.91	3407
5/12/03 12:00	823.07	3412
5/12/03 13:00	823.31	6219
5/12/03 14:00	823.59	9652
5/12/03 15:00	823.87	10063
5/12/03 16:00	824.14	10020
5/12/03 17:00	824.40	9975
5/12/03 18:00	824.65	9925
5/12/03 19:00	824.90	9871
5/12/03 20:00	825.13	9869
5/12/03 21:00	825.36	9870
5/12/03 22:00	825.58	9849
5/12/03 23:00	825.79	9811
5/13/03 0:00	825.98	9785
5/13/03 1:00	826.17	9752
5/13/03 2:00	826.35	9717
5/13/03 3:00	826.52	9682
5/13/03 4:00	826.68	9647
5/13/03 5:00	826.84	9606
5/13/03 6:00	826.98	9568
5/13/03 7:00	827.11	9524
5/13/03 8:00	827.23	9489
5/13/03 9:00	827.34	9363
5/13/03 10:00	827.44	9342
5/13/03 11:00	827.52	9309
5/13/03 12:00	827.60	9271
5/13/03 13:00	827.67	9231
5/13/03 14:00	827.73	9199
5/13/03 15:00	827.78	9354
5/13/03 16:00	827.83	9368
5/13/03 17:00	827.86	9319
5/13/03 18:00	827.87	9257
5/13/03 19:00	827.88	9224
5/13/03 20:00	827.89	9199
5/13/03 21:00	827.90	9171
5/13/03 22:00	827.90	9165
5/13/03 23:00	827.90	9156
5/14/03 0:00	827.90	9121
5/14/03 1:00	827.90	9079
5/14/03 2:00	827.90	9058
5/14/03 3:00	827.90	9024
5/14/03 4:00	827.90	8983
5/14/03 5:00	827.89	8957

Attachment 5
Source: Reference 2.5

Calculation No: CDQ000020080038

Melton Hill Dam CRM 23.10
HW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date	Time	HW Elev	Discharge Q (cfs)
	6	793.91	10995
	7	793.96	10773
	8	793.88	10630
	9	793.91	10528
	10	793.92	10536
	11	793.95	10553
	12	793.95	10546
	13	793.95	10514
	14	793.92	10529
	15	793.90	10548
	16	793.87	10519
	17	793.89	10555
	18	793.88	10526
	19	793.88	10506
	20	793.88	10507
	21	793.87	10530
	22	793.86	10507
	23	793.85	10509
	24	793.84	10506
5/15/03	1	794.12	5162
	2	794.28	0
	3	794.27	0
	4	794.41	0
	5	794.31	4829
	6	794.23	10865
	7	794.39	10551
	8	794.32	10430
	9	794.41	10386
	10	794.36	10399
	11	794.39	10420
	12	794.34	10386
	13	794.31	10395
	14	794.31	10386
	15	794.26	10451
	16	794.27	10463
	17	794.29	10430
	18	794.69	4076
	19	794.68	87
	20	794.69	6246
	21	794.69	7583
	22	794.84	7688
	23	794.77	7455
	24	794.73	7465
5/16/03	1	794.73	7532
	2	794.68	7500

Norris Dam CRM 79.8
TW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date and Time	TW elev	Discharge Q (cfs)
5/14/03 6:00	827.88	8912
5/14/03 7:00	827.87	8876
5/14/03 8:00	827.84	8852
5/14/03 9:00	827.83	8812
5/14/03 10:00	827.81	8793
5/14/03 11:00	827.79	8743
5/14/03 12:00	827.77	8723
5/14/03 13:00	827.76	8709
5/14/03 14:00	827.75	8658
5/14/03 15:00	827.73	8632
5/14/03 16:00	827.72	8686
5/14/03 17:00	827.71	8645
5/14/03 18:00	827.70	8580
5/14/03 19:00	827.67	8472
5/14/03 20:00	827.65	8457
5/14/03 21:00	827.64	8442
5/14/03 22:00	827.62	8419
5/14/03 23:00	827.61	8393
5/15/03 0:00	827.60	8368
5/15/03 1:00	827.59	8340
5/15/03 2:00	827.58	8322
5/15/03 3:00	827.56	8289
5/15/03 4:00	827.55	8257
5/15/03 5:00	827.54	8229
5/15/03 6:00	827.53	8199
5/15/03 7:00	827.51	8144
5/15/03 8:00	827.49	8109
5/15/03 9:00	827.48	8095
5/15/03 10:00	827.46	8092
5/15/03 11:00	827.46	8091
5/15/03 12:00	827.45	8069
5/15/03 13:00	827.44	8044
5/15/03 14:00	827.43	8047
5/15/03 15:00	827.43	8117
5/15/03 16:00	827.42	8033
5/15/03 17:00	827.41	8006
5/15/03 18:00	827.36	6601
5/15/03 19:00	827.19	3325
5/15/03 20:00	827.02	3330
5/15/03 21:00	826.85	3280
5/15/03 22:00	826.69	3270
5/15/03 23:00	826.54	3321
5/16/03 0:00	826.44	4123
5/16/03 1:00	826.35	4723
5/16/03 2:00	826.24	4719

Attachment 5
Source: Reference 2.5

Calculation No: CDQ000020080038

Melton Hill Dam CRM 23.10
HW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date	Time	HW Elev	Discharge Q (cfs)
	3	794.68	7487
	4	794.61	7548
	5	794.59	7553
	6	794.58	7591
	7	794.54	7566
	8	794.55	7543
	9	794.52	7547
	10	794.50	7503
	11	794.47	7534
	12	794.41	7725
	13	794.38	10027
	14	794.26	10455
	15	794.27	10439
	16	794.17	10366
	17	794.11	3450
	18	794.04	9638
	19	794.13	8240
	20	794.14	8294
	21	794.10	8297
	22	793.97	8202
	23	793.97	8281
	24	794.09	8092
5/17/03	1	794.04	0
	2	794.18	0
	3	794.13	0
	4	794.34	0
	5	794.38	0
	6	794.39	173
	7	794.35	7146
	8	794.35	7427
	9	794.39	7442
	10	794.31	7413
	11	794.32	7376
	12	794.32	7340
	13	794.30	7297
	14	794.27	7240
	15	794.24	7270
	16	794.24	7759
	17	794.27	3166
	18	794.30	0
	19	794.34	21059
	20	794.34	8010
	21	794.30	7967
	22	794.32	8014
	23	794.33	8003

Norris Dam CRM 79.8
TW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date and Time	TW elev	Discharge Q (cfs)
5/16/03 3:00	826.14	4716
5/16/03 4:00	826.05	4738
5/16/03 5:00	825.97	4725
5/16/03 6:00	825.89	4716
5/16/03 7:00	825.86	4739
5/16/03 8:00	825.85	4733
5/16/03 9:00	825.84	4709
5/16/03 10:00	825.83	4744
5/16/03 11:00	825.74	3661
5/16/03 12:00	825.63	3502
5/16/03 13:00	825.58	4678
5/16/03 14:00	825.56	4722
5/16/03 15:00	825.55	4741
5/16/03 16:00	825.54	4725
5/16/03 17:00	825.54	4757
5/16/03 18:00	825.54	4730
5/16/03 19:00	825.54	4727
5/16/03 20:00	825.53	4748
5/16/03 21:00	825.53	4735
5/16/03 22:00	825.53	4718
5/16/03 23:00	825.53	4735
5/17/03 0:00	825.53	4742
5/17/03 1:00	825.53	4710
5/17/03 2:00	825.53	4723
5/17/03 3:00	825.52	4709
5/17/03 4:00	825.52	4737
5/17/03 5:00	825.53	4729
5/17/03 6:00	825.53	4730
5/17/03 7:00	825.53	4734
5/17/03 8:00	825.53	4716
5/17/03 9:00	825.53	4730
5/17/03 10:00	825.53	4737
5/17/03 11:00	825.53	4730
5/17/03 12:00	825.53	4726
5/17/03 13:00	825.53	4727
5/17/03 14:00	825.53	4731
5/17/03 15:00	825.52	4768
5/17/03 16:00	825.52	4746
5/17/03 17:00	825.52	4745
5/17/03 18:00	825.52	4745
5/17/03 19:00	825.52	4745
5/17/03 20:00	825.51	4745
5/17/03 21:00	825.51	4745
5/17/03 22:00	825.51	4745
5/17/03 23:00	825.51	4745

Attachment 5
Source: Reference 2.5

Calculation No: CDQ000020080038

Melton Hill Dam CRM 23.10
HW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date	Time	HW Elev	Discharge Q (cfs)
	24	794.35	7995

Norris Dam CRM 79.8
TW and Q from TVA River Operations, River Scheduling, Hourly Water Records database
Entered by JMF 6/18/08
Checked by SCB 7/23/08

Date and Time	TW elev	Discharge Q (cfs)
05/17/2003 24:	825.51	4745

CDQ000020080038 Rev 0

Attachment_06_Total Local Hydrograph Development.pdf
with attachments:

* Hydrograph came from CDQ000020080068

Total Local Hydrograph Development.xls

818.7	0	0	194.1394	79.8	#01
820	165	1.01	220.35	0.036	
825	1417	2.92	321.16		
830	2940	4.47	390.89		
835	4639	5.6	460.62		
840	6535	6.47	530.355		
845	8590	7.21	600.09		
850	10764	7.86	669.82		
860	15620	8.88	793.57		
870	21254	9.63	885.895		
880	27665	10.2	965.94		
890	35065	10.55	1052.86		
900	43665	10.79	1142.235		
910	53074	11.1	1229.645		
920	62899	11.43	1316.565		
930	73140	11.76	1404.465		
940	83799	12.09	1494.82		
950	94874	12.41	1589.105		
960	106365	12.72	818.615		
970	118315	13	0		
980	130765	13.27	0		
810.7	0	0	0	77.7	#02
815	543	1.89	123.75	0.035	
820	1909	3.22	275.98		
825	3622	4.81	428.21		
830	5459	6.06	514.64		
835	7422	7.11	601.07		
840	9509	8.02	683.57		
850	14609	9.19	844.64		
860	21309	9.88	987.545		
870	29184	10.54	1101.965		
880	37809	11.19	1204.595		
890	47559	11.61	1312.14		
900	58809	11.95	1420.915		
910	71053	12.48	1527.235		
920	83784	13.03	1633.795		
930	97003	13.57	1743.3		
940	110709	14.11	1858.21		
950	124903	14.63	1980.98		
960	139584	15.13	1022.165		
970	154753	15.62	0		
980	170409	16.09	0		
806.5	0	0	17.81875	75.6	#03
810	809	2.15	142.55	0.033	
815	2164	3.92	269.67		
820	3706	5.17	396.79		

825	5451	6.12	526.43		
830	7411	6.88	656.07		
840	11979	8.05	915.36		
850	17454	8.9	1375		
860	23879	9.57	1834.64		
870	31354	10.07	2304.11		
880	39979	10.48	2773.57		
890	49879	10.77	3403.12		
900	61179	11.03	4032.68		
910	73554	11.41	4688.75		
920	86679	11.8	5344.82		
930	100554	12.18	6049.02		
940	115179	12.55	6753.21		
950	130554	12.92	0		
960	146679	13.27	0		
970	163554	13.62	0		
980	181179	13.96	0		
799.2	0	0	0	73.5	#04
800	11	0.54	0	0.028	
805	660	2	105.63		
810	1929	3.67	207.505		
815	3454	4.84	309.38		
820	5238	5.81	407.345		
825	7307	6.73	505.31		
830	9710	7.39	629.55		
835	12345	7.96	753.79		
840	15131	8.49	920.02		
845	18068	8.96	1086.25		
850	21156	9.4	1294.465		
860	27784	10.18	1719.24		
870	35077	10.82	2160.71		
880	43094	11.36	2651.54		
890	51927	11.77	3224.375		
900	61664	12.11	3850		
910	72299	12.4	4499.2		
920	83824	12.65	5171.23		
930	0	0	5865.36		
940	0	0	3108.975		
797.8	0	0	0	71.4	#05
800	139	1.09	61.98	0.025	
805	1308	2.26	216.94		
810	3327	4.01	312.47		
815	5441	5.4	368.38		
820	7646	6.58	424.29		
825	10235	6.77	559.82		
830	13502	7.09	695.36		

835	17447	7.46	830.89		
840	22071	7.89	966.43		
845	27220	8.9	1101.96		
850	32755	9.76	1237.5		
855	38676	10.5	1373.04		
860	44983	11.16	1508.57		
865	51640	11.75	1691.25		
870	58608	12.29	1873.93		
880	73483	13.26	2239.29		
890	89321	14.17	2790.27		
900	105833	15.02	3341.25		
910	123021	15.83	3965.89		
920	140883	16.58	4278.21		
798.7	0	0	124.254	69.3	#06
800	242	0.89	184.08	0.035	
805	2335	3.03	347.33		
810	4716	4.57	410.3		
815	7344	5.75	473.28		
820	10220	6.71	536.25		
825	13409	7.47	669.33		
830	16973	8.09	802.41		
835	20913	8.6	935.49		
840	25229	9.04	1068.57		
845	29803	9.49	1203.62		
850	34508	9.94	1338.66		
855	39345	10.37	1473.71		
860	44314	10.79	1608.75		
865	49414	11.2	1800.76		
870	54642	11.59	1992.77		
880	65484	12.34	2376.79		
890	76749	13.07	2942.5		
900	88344	13.77	3508.21		
910	100269	14.44	0		
920	112524	15.08	0		
790.7	0	0	0	67.2	#07
795	324	1.66	155.74	0.02	
800	2447	2.79	393.23		
805	5251	4.37	542.42		
810	8383	5.53	691.62		
815	11854	6.43	840.81		
820	16833	6.72	990		
825	22375	7.03	1353.39		
830	28500	7.33	1716.79		
835	35029	7.65	2080.18		
840	41783	7.98	2443.57		
845	48763	8.32	2916.96		

850	55967	8.64	3390.36		
855	63417	8.95	3863.75		
860	71133	9.24	4337.14		
870	87083	9.85	5665.98		
880	103533	10.45	6994.82		
890	120483	11.02	8540.71		
900	137933	11.57	10086.61		
910	155883	12.09	0		
920	174333	12.58	0		
787	0	0	121.002	65.1	#08
790	543	1.37	172.86	0.03	
795	2363	3.34	351.61		
800	4396	4.81	581.82		
805	6660	5.95	812.04		
810	9033	6.94	1042.25		
815	11550	7.91	1272.46		
820	15760	8	1502.68		
825	20198	8.27	1955.45		
830	24896	8.58	2408.21		
835	29855	8.91	2860.98		
840	35073	9.23	3313.75		
845	40501	9.56	3860.8		
850	46110	9.89	4407.86		
855	51899	10.22	4954.91		
860	57869	10.53	5501.96		
870	70577	11.04	6953.57		
880	84461	11.5	8405.18		
890	99521	11.9	10080.71		
900	115757	12.28	11756.25		
910	133169	12.62	0		
781	0	0	63.646	63	#09
785	767	2	161.07	0.03	
790	2181	3.78	282.86		
795	3777	4.79	353.57		
800	5679	5.83	600.68		
805	7737	6.94	847.79		
810	10057	7.96	1094.89		
815	12775	8.69	1342		
820	17100	8.62	1589.11		
825	23857	8.21	1865.09		
830	31071	8.24	2141.07		
835	38404	8.47	2417.05		
840	45855	8.8	2693.04		
845	59835	7.96	2890.45		
850	73843	8.04	3087.86		
860	101948	8.56	3482.68		

870	130172	9.25	3858.84		
880	158520	9.98	4235		
890	186992	10.72	4610.18		
900	215587	11.45	4985.36		
910	244305	12.17	0		
776.52	0	0	75.56376	60.9	#10
780	451	1.84	115.89	0.03	
785	1746	3.29	212.14		
790	3283	4.68	308.39		
795	4941	5.95	367.32		
800	6710	7.06	573.57		
805	8829	7.89	779.82		
810	11510	8.36	986.07		
815	14753	8.65	1192.32		
820	18559	8.84	1398.57		
825	22938	8.97	1671.12		
830	27904	9.07	1943.66		
835	33456	9.17	2216.21		
840	39594	9.26	2488.75		
850	59181	8.72	2948.39		
860	79218	9.12	3408.04		
870	99605	9.68	3788.12		
880	120239	10.3	4168.21		
890	141120	10.92	4424.55		
900	162249	11.54	4680.89		
910	183625	12.15	0		
773.08	0	0	41.69704	58.8	#11
775	164	0.82	67.69	0.025	
780	1457	3.05	135.38		
785	2860	4.52	220		
790	4360	5.63	304.62		
795	6119	6.26	365.96		
800	8042	7.31	544.08		
805	10051	8.4	722.19		
810	12688	8.98	900.31		
815	17709	8.4	1078.42		
820	23137	8.17	1256.54		
825	28910	8.11	1481.83		
830	35037	8.12	1707.12		
835	41520	8.17	1932.4		
840	48358	8.24	2157.69		
850	63098	8.42	2643.17		
860	79258	8.62	3128.65		
870	96681	8.83	3441.73		
880	115148	9.06	3754.81		
890	0	0	3910.29		

900	0	0	4065.77		
774.8	0	0	70.8672	57	#12
775	1	0.22	73.82	0.025	
780	1231	2.6	147.63		
785	2822	4.03	244.24		
790	4697	5.1	340.86		
795	6797	6.23	410.33		
800	9039	7.3	604.42		
805	11509	8.24	798.51		
810	14755	8.77	992.61		
815	19024	8.91	1186.7		
820	24317	8.87	1380.79		
825	30407	8.84	1625.58		
830	37066	8.85	1870.36		
835	44294	8.89	2115.15		
840	52092	8.94	2359.93		
850	69186	9.11	2879.9		
860	88137	9.31	3399.87		
870	108715	9.57	3873.16		
880	130687	9.85	4346.45		
890	0	0	4738.32		
900	0	0	5130.2		
773.5	0	0	66.633	55	#13
775	314	1.05	95.19	0.024	
780	1814	3.22	190.38		
785	3403	4.72	292.98		
790	5056	5.94	395.58		
795	6856	6.64	473.85		
800	8886	7.52	666.35		
805	11521	8.22	858.85		
810	14920	8.53	1051.35		
815	19004	8.66	1243.85		
820	23772	8.69	1436.35		
825	29094	8.72	1712.4		
830	34840	8.77	1988.46		
835	41009	8.83	2264.52		
840	47602	8.9	2540.58		
850	62310	8.98	2964.71		
860	79212	9.03	3388.85		
870	0	0	3866.92		
880	0	0	4345		
890	0	0	4767.02		
900	0	0	5189.04		
773.28	0	0	108.40168	53.1	#14
775	246	0.97	159.84	0.021	
780	1901	2.98	309.38		

785	3995	4.07	398.06		
790	6591	5.19	486.75		
795	9531	6.18	583.69		
800	12659	7.43	817.99		
805	17827	7.67	1052.29		
810	23321	8.02	1286.59		
815	29142	8.38	1520.89		
820	35289	8.73	1755.19		
825	41711	9.08	2091.38		
830	48359	9.43	2427.56		
835	55231	9.76	2763.75		
840	62329	10.08	3099.94		
850	77281	10.66	3534.09		
860	93299	11.17	3968.25		
870	0	0	4492.12		
880	0	0	5016		
890	0	0	5529.56		
900	0	0	6043.12		
769.29	0	0	38.32054	51	#15
770	55	0.57	41.25	0.02	
775	1524	2.58	311.09		
780	3440	4.2	580.94		
785	5474	5.48	686.64		
790	7695	6.39	792.34		
795	10152	7.19	948.75		
800	14149	7.68	1237.5		
805	18953	8.12	1526.25		
810	24096	8.61	1815		
815	29578	9.11	2103.75		
820	35398	9.59	2392.5		
825	41500	10.11	2807.58		
830	47823	10.61	3222.66		
840	61138	11.54	4052.81		
850	75573	12.35	4859.77		
860	91358	13.03	5666.72		
870	0	0	6613.75		
880	0	0	7560.78		
890	0	0	8480.31		
900	0	0	9399.84		
768.92	0	0	366.41576	48.3	#16
770	80	0.69	410.78	0.02	
775	1007	2.09	717.58		
780	3171	3.37	1024.38		
785	6006	4.5	1211.72		
790	9419	5.43	1399.06		
795	14180	4.9	1675.78		

800	20807	6.27	2335.09		
805	27640	7.46	2994.41		
810	34697	8.51	3653.72		
815	41978	9.45	4313.03		
820	49483	10.31	4972.34		
825	57199	11.11	5831.72		
830	65114	11.85	6691.09		
840	81537	13.19	8409.84		
850	98730	14.39	10102.81		
860	116667	15.47	11795.78		
870	0	0	14006.09		
880	0	0	16216.41		
890	0	0	18382.03		
900	0	0	20547.66		
761.8	0	0	229.5476	46.2	#17
765	557	1.79	435.09	0.02	
770	2030	3.29	756.25		
775	3851	4.61	950.71		
780	5902	5.68	1145.18		
785	8339	5.58	1355.36		
790	12140	6.02	1565.54		
795	16434	6.9	1875.89		
800	21154	8.03	2517.04		
805	26324	8.95	3158.18		
810	31965	9.7	3799.32		
815	38077	10.33	4440.46		
820	44659	10.86	5081.61		
830	58990	11.76	6667.77		
840	74714	12.5	8253.93		
850	91756	13.15	9651.52		
860	110044	13.72	11049.11		
870	0	0	12936.79		
880	0	0	14824.46		
890	0	0	16680.71		
900	0	0	18536.96		
755.2	0	0	142.428	44.1	#18
760	786	1.88	273.9	0.022	
765	2666	3.27	490.05		
770	5304	4.04	706.2		
775	8810	5.11	828.3		
780	12850	6.01	950.4		
785	17448	6.74	1125.3		
790	22931	7.33	1300.2		
795	28813	8.21	1557.6		
800	35334	9.2	1787.94		
805	42965	9.9	2018.28		

810	51886	10.36	2248.62		
820	73596	10.82	2709.3		
830	98662	11.2	3191.1		
840	126209	11.55	3672.9		
850	156507	11.85	4006.2		
860	189399	12.11	4339.5		
870	0	0	4585.35		
880	0	0	4831.2		
890	0	0	5030.85		
900	0	0	5230.5		
753	0	0	128.466	43.7	#19
755	142	1.04	214.11	0.022	
760	1153	2.79	428.21		
765	2504	4.11	534.29		
770	4137	5.21	640.36		
775	5926	6.19	750.36		
780	7919	6.96	860.36		
785	10126	7.71	1017.5		
790	12431	8.69	1174.64		
795	14840	8.17	1410.36		
800	17979	9.21	1648.43		
810	24633	10.98	2124.57		
820	31726	12.47	2600.71		
830	39257	13.76	3152.68		
840	47228	14.88	3704.64		
850	0	0	4042.5		
860	0	0	4380.36		
870	0	0	4633.75		
880	0	0	4887.14		
890	0	0	5093.39		
900	0	0	5299.64		
750	0	0	0	42	#20
755	380	1.73	214.32	0.022	
760	1530	3.22	428.64		
765	2955	4.51	526.39		
770	4594	5.51	624.13		
775	6485	6.31	732.64		
780	8643	7.03	841.14		
785	11068	7.7	993.59		
790	14498	6.39	1146.03		
795	19989	6.16	1375.6		
800	27073	7.28	1593.68		
810	44116	8.78	2029.86		
820	64385	9.79	2466.03		
830	91095	10.17	3092.85		
840	121865	10.49	3719.67		

850	155245	10.89	4193.15		
860	189785	11.35	4666.63		
870	0	0	5105.14		
880	0	0	5543.64		
890	0	0	5973.18		
900	0	0	6402.72		
751	0	0	41.414	39.1	#21
755	439	1.75	207.07	0.022	
760	1658	3.18	414.15		
765	3191	4.6	524.7		
770	4965	5.47	635.25		
775	6981	6.43	745.8		
780	9192	7.26	856.35		
785	11736	7.4	1011.45		
790	14982	7.49	1166.55		
795	18911	7.95	1399.2		
800	23260	9.02	1621.29		
810	32827	10.74	2065.47		
820	43438	12.12	2509.65		
830	55093	13.25	3118.5		
840	67791	14.21	3727.35		
850	0	0	4259.48		
860	0	0	4791.6		
870	0	0	5301.45		
880	0	0	5811.3		
890	0	0	6291.45		
900	0	0	6771.6		
751.3	0	0	54.2416	37	#22
755	922	2.3	178.31	0.022	
760	2333	3.88	345.97		
765	3941	5.06	436.45		
770	5744	6.04	526.94		
775	7813	6.66	617.42		
780	11011	4.53	707.9		
785	17580	5.16	836.98		
790	25405	6.31	966.05		
795	33433	7.49	1157.66		
800	41696	8.62	1296.58		
810	59016	10.56	1574.42		
820	77276	12.2	1852.26		
830	97147	13.54	2156.98		
840	121023	14.37	2461.69		
850	0	0	2734.48		
860	0	0	3007.26		
870	0	0	3276.05		
880	0	0	3544.84		

890	0	0	3759.07		
900	0	0	3973.31		
749	0	0	43.308	36	#23
750	49	0.63	48.12	0.022	
755	1068	2.74	178.75		
760	2352	4.12	309.38		
765	3856	5.19	366.09		
770	5580	6.09	422.81		
775	7593	6.57	496.72		
780	10090	6.85	570.62		
785	13174	7.3	673.75		
790	16654	7.99	776.88		
800	24778	9.5	1018.19		
810	33929	11.27	1191.44		
820	43932	12.69	1364.69		
830	54787	13.87	1564.06		
840	0	0	1763.44		
850	0	0	2038.44		
860	0	0	2313.44		
870	0	0	2722.5		
880	0	0	3131.56		
890	0	0	3609.38		
900	0	0	4087.19		
748.5	0	0	192.848	34.6	#24
750	151	1.08	226.88	0.022	
755	1600	2.56	324.84		
760	3960	3.78	422.81		
765	6798	5.04	498.44		
770	9934	6.08	574.06		
775	13391	6.96	675.47		
780	17303	7.61	776.88		
785	21549	8.38	917.81		
790	26111	9.09	1058.75		
800	36165	10.75	1408.69		
810	47225	12.43	1689.19		
820	59097	13.83	1969.69		
830	71780	15.03	2282.5		
840	85274	16.07	2595.31		
850	0	0	2930.47		
860	0	0	3265.62		
870	0	0	3702.19		
880	0	0	4138.75		
890	0	0	4642.34		
900	0	0	5145.94		
742.9	0	0	324.5456	33.6	#25
745	197	1.12	467.06	0.024	

750	1483	2.77	806.37		
755	3174	4.23	771.77		
760	5196	5.13	737.18		
765	7587	5.97	870.24		
770	10831	5.58	1003.31		
775	16244	4.43	1178.95		
780	26884	5.2	1354.6		
790	51375	7.3	1849.6		
800	78210	9.4	2473.94		
810	106388	11.34	2993.42		
820	135903	13.01	3512.9		
830	166592	14.5	4250.08		
840	198288	15.85	4987.26		
850	0	0	5660.56		
860	0	0	6333.87		
870	0	0	6850.16		
880	0	0	7366.45		
890	0	0	7736.37		
900	0	0	8106.29		
738.8	0	0	99.5632	31.5	#26
740	23	0.71	113.14	0.024	
745	537	2.37	406.61		
750	1496	3.4	700.07		
755	3089	3.93	652.93		
760	5309	4.86	605.79		
765	8076	5.67	714.21		
770	11205	6.45	822.64		
780	18647	8.2	1110.21		
790	26920	9.8	1515.64		
800	36043	11.46	2007.34		
810	46183	13.06	2387.31		
820	57344	14.36	2767.29		
830	69524	15.45	3353.04		
840	82724	16.37	3938.79		
850	0	0	4517.46		
860	0	0	5096.14		
870	0	0	5594.68		
880	0	0	6093.21		
890	0	0	6438.54		
900	0	0	6783.86		
740.8	0	0	36.564	30.1	#27
745	953	2.13	176.55	0.024	
750	2573	3.82	343.2		
755	4371	5.1	325.05		
760	6344	6.13	306.9		
765	8496	7.04	359.7		

770	11315	6.42	412.5		
775	14936	7.25	485.1		
780	18867	8.03	557.7		
790	27924	9.15	759		
800	38669	10.95	971.52		
810	50583	12.4	1086.36		
820	63575	13.58	1201.2		
830	77415	14.62	1349.7		
840	91875	15.55	1498.2		
850	0	0	1646.7		
860	0	0	1795.2		
870	0	0	2008.05		
880	0	0	2220.9		
890	0	0	2405.7		
900	0	0	2590.5		
739.7	0	0	131.4738	29	#28
740	25	0.4	135.54	0.024	
745	1393	2.56	281.38		
750	3213	4.09	427.23		
755	5263	5.25	396.29		
760	7565	6.2	365.36		
765	10193	6.47	430.18		
770	13762	6.75	495		
780	22322	8.34	668.84		
790	31799	10.11	910.45		
800	41860	11.88	1192.12		
810	52550	13.55	1396.02		
820	63880	14.99	1599.91		
830	76667	16.08	1941.7		
840	91730	16.77	2283.48		
850	0	0	2665.04		
860	0	0	3046.61		
870	0	0	3696.29		
880	0	0	4345.98		
890	0	0	5066.38		
900	0	0	5786.79		
737.1	0	0	211.1782	27.3	#29
740	633	1.64	297.43	0.024	
745	2515	3.37	361.48		
750	4641	4.76	425.53		
755	6963	5.88	395.13		
760	9488	6.81	364.74		
765	12422	6.8	429.87		
770	16124	7.57	495		
780	24211	9.21	668.68		
790	33233	10.57	909.67		

800	43092	12.25	1178.45		
810	53567	13.89	1355.61		
820	64658	15.32	1532.76		
830	76733	16.48	1809.57		
840	90158	17.39	2086.38		
850	0	0	2391.41		
860	0	0	2696.45		
870	0	0	3204.47		
880	0	0	3712.5		
890	0	0	4282.4		
900	0	0	4852.3		
734.5	0	0	243.963	25.2	#30
735	15	0.4	271.07	0.024	
740	1679	2.57	542.14		
745	3863	4.04	484.2		
750	6381	5.21	426.25		
755	9193	6.22	394.82		
760	12666	6.12	363.39		
770	21593	8.07	495		
780	31296	9.84	667.86		
790	41654	11.42	907.5		
800	52612	13.06	1174.25		
810	64045	14.72	1346.32		
820	75936	16.21	1518.39		
830	88314	17.54	1760.98		
840	101206	18.75	2003.57		
850	0	0	2290.36		
860	0	0	2577.14		
870	0	0	3361.88		
880	0	0	4146.61		
890	0	0	4817.41		
900	0	0	5488.21		
730	0	0	0	23.1	#31
735	674	2.17	357.5	0.024	
740	1876	3.73	715		
745	3236	4.88	577.5		
750	4980	5.29	440		
755	7188	5.95	406.61		
760	9928	6.52	373.21		
770	16542	7.47	510.71		
780	24977	9.12	687.5		
790	34068	10.8	935		
800	43643	12.48	1238.29		
810	54215	14	1475.57		
820	66119	15.17	1712.86		
830	0	0	2070.36		

840	0	0	2427.86
850	0	0	2871.79
860	0	0	3315.71
870	0	0	4733.93
880	0	0	6152.14
890	0	0	7307.14
900	0	0	8462.14

CDQ000020080038 Rev 0

Attachment 8_ SOCH Input Preprocessor, Steady-State with file:

Final_MeltonHill100Kto600KBuildSOCHdata61sections.xls

CDQ000020080038 Rev 0

Attachment 9_ SOCH Input Preprocessor, Unsteady-State with file:

MeltonHill_Mar1973_BuildSOCHdata-61sections.xls

CDQ000020080038 Rev 0

Attachment 10_ SOCH Input Preprocessor, Unsteady-State with file:

MeltonHill_May2003_BuildSOCHdata-61sections.xls

CDQ000020080038 Rev 0

Attachment_11_Macro File for SOCH Input Preprocessor with file:

SOCH_Macros.xls

CDQ000020080038 Rev 0

Attachment_12_Macro File for Extraction of SOCH Output with file:

Flood_ExtractSelectedSOCHOutputHydrographs.xls

Flood Insurance Study for Melton Hill Reservoir:
MHCLINCH.dat (HEC-2 format)

```
T1     DOE OAK RIDGE STUDY            DSN=MHCLINCH1
T2     10 YEAR FLOOD                  FLOOD PROFILES
T3     CLINCH RIVER MILE 23.1 - 79.8     8-23-91 BCH
J1         2                                  795.80
J2   1          -1
J3  150
QT    6  32500  44500  53500  63000  85000  43500
NC  .080   .140   .024    .1    .3
X1  23.1    30    250   1328     0     0     0
GR 820.0    200  800.0    235  795.0    250  787.0    280  784.0    350
GR 780.0    370  784.0    415  784.5    450  783.7    510  778.0    635
GR 760.5    740  754.0    752  753.5    772  757.5    810  755.0    835
GR 728.0    925  727.0   1000  726.0   1050  732.1   1080  737.0   1140
GR 759.0   1172  760.8   1195  760.0   1230  770.0   1235  768.8   1253
GR 768.8   1285  794.5   1328  807.0   1350  812.0   1356  820.0   1360
QT    6  32436  44245  53182  62618  84364  50718
NC  .120   .120   .024
X1  25.2    24    415   1490  11088  11088  11088
GR 820.0    373  796.0    415  765.2    470  765.2    484  759.0    505
GR 757.2    540  759.0    615  757.3    725  737.5    755  736.0    830
GR 732.0    845  733.0   1050  735.0   1115  741.0   1130  739.8   1140
GR 740.0   1160  742.0   1180  742.0   1210  745.0   1255  752.6   1287
GR 760.0   1378  765.0   1400  795.3   1490  820.0   1550
QT    6  32372  43990  52864  62236  83728  58493
NC  .070   .140   .024
X1  27.3    21    472   1485  11088  11088  11088
GR 820.0    382  795.0    472  792.0    485  765.0    560  763.0    605
GR 764.0    680  762.0    735  745.0    785  736.5    840  733.5   1000
GR 733.9   1100  745.0   1160  746.7   1210  758.0   1238  762.0   1275
GR 759.0   1290  762.8   1312  765.5   1410  792.0   1475  794.0   1485
GR 820.0   1585
QT    6  32308  43735  52546  61854  83092  44350
NC  .120   .140   .024
X1  29.4    20    313   1312  11088  11088  11088
GR 820.0    183  795.2    313  777.5    400  769.0    500  765.0    565
GR 764.0    690  753.0    740  746.0    807  742.0    815  741.0    900
GR 737.5    945  738.0   1000  741.0   1072  739.0   1100  740.0   1180
GR 768.0   1250  768.0   1260  773.0   1288  792.5   1312  820.0   1345
QT    6  32244  43480  52228  61472  82456  39615
NC  .100   .140   .024
X1  31.5    17    568   1380  11088  11088  11088
GR 840.0    445  795.2    568  764.1    628  767.0    740  758.0    770
GR 755.0    805  747.0    818  743.0    830  741.2    852  738.8   1000
```

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GR 738.7   1055  741.0   1137  754.8   1170  755.2   1190  773.2   1335
GR 795.5   1380  840.0   1475
QT    6  32180  43225  51910  61090  81820  38791
NC .090   .130   .024
X1 33.6    34    378   2790  11088  11088  11088
GR 840.0   220  802.0   288  795.0   378  790.0   440  788.2   580
GR 790.0   610  791.0   740  795.0   850  787.5   910  771.5   952
GR 770.8  1000  773.5  1240  775.5  1550  774.6  1708  756.5  1810
GR 755.0  1850  745.7  1865  744.7  1880  744.0  1960  740.5  2000
GR 737.3  2066  737.9  2090  743.0  2150  765.0  2185  765.7  2200
GR 771.0  2290  768.0  2400  768.0  2460  772.0  2547  772.5  2660
GR 777.0  2710  795.0  2790  800.0  2815  840.0  3200
QT    6  32116  42970  51592  60708  81184  36595
NH    4   .120   500   .024  1600   .080  1748   .120  3152
X1 35.7    24    500  1600  11088  11088  11088
GR 840.0   300  800.0   445  795.0   500  780.0   580  780.0   700
GR 760.0   790  749.5   800  745.0   820  744.5   900  744.3  1000
GR 747.5  1060  748.6  1150  749.8  1200  760.0  1210  780.0  1460
GR 794.7  1600  840.0  1748  819.8  1900  810.0  2020  820.0  2255
GR 820.0  2400  810.0  2740  820.0  3000  840.0  3152
QT    6  32052  42715  51274  60326  80548  37115
NC .100   .120   .022
X1 37.8    17   1450   2470  11088  11088  11088
GR 840.0   697  820.0   960  800.0  1400  795.0  1450  780.0  1790
GR 760.0  1850  751.0  1860  746.7  1940  744.0  2000  743.0  2060
GR 743.8  2120  751.0  2140  760.0  2170  780.0  2430  794.8  2470
GR 800.0  2520  840.0  2720
QT    6  30000  39000  45958  52958  68958  28191
NH    4   .110   730   .022  1420   .090  2100   .140  2800
X1 39.9    23    730  1420  11088  11088  11088
GR 840.0   550  820.0   600  800.0   692  795.0   730  779.9   802
GR 760.0   830  756.1   860  754.3   920  754.0   970  749.0  1020
GR 753.0  1060  754.5  1130  756.1  1140  760.0  1200  780.0  1260
GR 795.0  1420  800.0  1510  820.0  1800  840.0  2100  820.0  2250
GR 810.0  2420  820.0  2600  840.0  2800
QT    6  30000  39000  45662  52662  68662  25563
NC .100   .100   .022
X1 42.0    21   1600   2900  11088  11088  11088
GR 840.0   890  820.0  1400  800.0  1500  794.7  1600  780.0  1800
GR 760.0  1852  756.7  1880  753.5  1900  752.6  1960  750.0  2000
GR 749.3  2040  749.3  2100  756.5  2120  760.0  2200  780.0  2250
GR 780.0  2410  795.0  2900  800.0  3020  820.0  3238  820.0  3650
GR 840.0  3900
QT    6  30000  39000  45366  52366  68366  24862
NC .120   .120   .022
X1 44.1    22   2030   3250  11088  11088  11088
```

```
GR 840.0   500  820.0  1550  800.0  1900  795.0  2030  780.0  2300
GR 770.0  2380  760.0  2540  757.8  2560  757.2  2620  759.9  2660
GR 770.0  2680  774.0  2800  770.0  2900  759.9  2932  755.2  2970
GR 756.3  3050  759.9  3070  780.0  3148  795.0  3250  800.0  3460
GR 820.0  3800  840.0  4000
QT   6  30000  39000  45070  52070  68070  25706
NC .120  .110  .020
X1 46.2   18   780  1650  11088  11088  11088
GR 840.0   360  820.0   490  800.0   580  795.0   780  780.0   820
GR 763.3   830  761.0   850  760.5   920  760.1  1000  759.7  1040
GR 761.0  1150  763.7  1170  780.0  1220  780.0  1510  795.0  1650
GR 800.0  1700  820.0  1780  840.0  1900
QT   6  28416  34832  39291  44207  55497  15523
NC .100  .100  .020
X1 48.3   17   400  1300  11088  11088  11088
GR 840.0   100  800.3   292  795.2   400  789.0   500  792.3   659
GR 792.1   700  783.0   770  783.0   790  772.6   808  769.0   830
GR 769.3  1000  767.0  1070  766.7  1160  779.0  1190  795.0  1300
GR 820.0  1450  840.0  1500
QT   6  28306  34612  39016  43822  54837  15259
NH   4  .100   802  .045  1650  .020  2400  .120  3100
X1 50.4   19  1650  2400  11088  11088  11088
GR 860.0   300  820.0   500  800.0   720  795.0   802  795.0  1650
GR 780.0  1750  774.4  1810  773.4  1899  773.2  1900  773.0  1980
GR 770.5  2020  770.5  2100  770.5  2150  780.1  2248  795.0  2400
GR 800.0  2420  820.0  2700  840.0  2780  860.0  3100
QT   6  28196  34392  38741  43437  54177  14823
NC .090  .090  .021
X1 52.5   20   770  1300  11088  11088  11088
GR 860.0   480  840.0   488  820.0   530  800.0   650  795.0   770
GR 780.0   798  776.5   800  774.5   840  773.3   900  772.5   960
GR 770.0  1000  769.0  1060  771.0  1140  776.3  1200  780.2  1201
GR 795.0  1300  800.0  1470  820.0  1498  840.0  1560  860.0  1600
QT   6  28086  34172  38466  43052  53517  14619
NC .080  .120  .024
X1 54.6   15   800  1178  11088  11088  11088
GR 860.0     0  840.0   102  820.0   480  799.5   800  792.0   822
GR 780.0   887  773.0   892  773.0  1105  782.0  1120  792.0  1150
GR 798.0  1178  800.0  1248  820.0  1378  840.0  1500  860.0  1890
QT   6  27976  33952  38191  42667  52857  12707
NC .080  .090  .025
X1 56.7   15   752  1192  11088  11088  11088
GR 860.0   150  840.0   200  820.0   447  803.0   752  791.0   768
GR 787.0   832  779.0   860  776.8   910  775.8   983  775.0  1000
GR 775.0  1130  778.7  1165  796.0  1192  801.0  1240  860.0  1400
QT   6  27866  33732  37916  42282  52197  12604
```

```
NC .100   .120   .025
X1 58.8    17    760   1158  11088  11088  11088
GR 860.0   602   820.0   700  799.4   760  794.0   772  791.0   810
GR 787.5   830   771.5   870  776.0   940  773.5  1000  777.5  1048
GR 778.3  1090   781.0  1108  789.0  1120  792.0  1146  800.0  1158
GR 811.0  1450   860.0  1451
QT   6  27756  33512  37641  41897  51537  12505
NC .120   .060   .030
X1 60.9    14    819   1160  11088  11088  11088
GR 860.0   650   795.0   819  792.0   820  791.0   833  780.0   867
GR 779.8   900   778.5  1000  780.0  1100  780.5  1112  792.0  1152
GR 800.0  1160   820.0  1520  839.9  1899  860.0  2600
QT   6  27646  33292  37366  41512  50877  12460
NC .060   .060   .030
X1 63.0    18    778   1190  11088  11088  11088
GR 860.0   348   820.0   400  815.0   700  810.0   750  800.0   778
GR 796.0   792   791.5   850  783.7   874  781.0  1000  782.0  1100
GR 784.0  1140   792.0  1152  805.0  1190  815.0  1300  820.0  1800
GR 840.0  2052   840.0  2500  860.0  3150
QT   6  27536  33072  37091  41127  50217  12413
NC .080   .080   .030
X1 65.1    15    800   1200  11088  11088  11088
GR 860.0   648   802.1   750  796.6   800  789.3   850  788.6  1000
GR 787.0  1110   789.0  1180  792.0  1193  799.8  1200  810.0  1220
GR 815.0  1250   815.0  1550  820.0  1580  839.3  1747  860.0  1860
QT   6  26425  30437  32912  35875  42800  12126
NC .080   .080   .020
X1 66.15                 5544   5544   5544        1.5
QT   6  26354  30250  32650  35500  42200  11840
NC .070   .070   .020
X1 67.2    16    740   1260   5544   5544   5544
GR 860.0   280   830.0   450  820.0   650  798.0   740  790.7   860
GR 796.6   970   796.7  1032  795.3  1160  797.8  1259  800.0  1260
GR 810.0  1350   815.0  1400  815.3  1630  820.0  1700  850.0  1800
GR 860.0  1850
QT   6  26212  29876  32126  34750  41000  11870
NC .130   .130   .035
X1 69.3    17    780   1220  11088  11088  11088
GR 880.0   390   860.0   420  840.0   500  820.0   700  804.0   780
GR 801.0   790   799.3   840  798.7   920  798.7   970  799.2  1020
GR 799.7  1080   801.0  1210  803.7  1220  820.0  1300  840.2  1400
GR 860.0  1480   880.0  1500
QT   6  26141  29689  31864  34375  40400  11840
NC .130   .130   .035
X1 70.35                 5544   5544   5544       -.45
QT   6  26070  29502  31602  34000  39800  11814
```

```
NC .100   .060   .025
X1 71.4    14    800   1250   5544   5544   5544
GR 880.0   652   820.0   800   805.9   801   803.9   820   803.8   880
GR 799.8   950   797.8   1040   804.0   1120   802.5   1180   805.9   1200
GR 820.0   1250   839.9   1740   860.0   1900   880.0   2050
QT   6   25999   29315   31340   33625   39200   11800
NC .100   .060   .031
X1 72.45                  5544   5544   5544          .80
QT   6   25928   29128   31078   33250   38600   11786
NC .100   .100   .028
X1 73.5    16    848   1120   5544   5544   5544
GR 900.0   528   880.0   600   860.0   650   840.0   732   819.7   848
GR 809.0   880   804.5   890   799.2   960   802.6   1040   803.2   1080
GR 804.6   1100   809.0   1120   820.0   1190   840.0   1240   860.0   1360
GR 900.0   1500
QT   6   25786   28754   30554   32500   37400   11310
NC .080   .070   .033
X1 75.6    16    870   1130   11088   11088   11088
GR 900.0   200   880.0   380   860.0   550   840.0   700   820.0   820
GR 810.7   870   806.5   880   806.5   1000   807.3   1050   806.7   1120
GR 812.0   1130   819.9   1147   840.0   1200   860.0   1240   880.0   1300
GR 900.0   1350
QT   6   25644   28380   30030   31750   36200   11036
NC .090   .070   .035
X1 77.7    13    830   1160   11088   11088   11088
GR 900.0   652   840.0   800   820.0   830   813.9   900   811.8   968
GR 810.7   1040   815.3   1100   817.8   1140   820.0   1160   840.0   1230
GR 860.0   1500   880.0   1600   900.0   1850
QT   6   25573   28193   29768   31375   35600   10918
NC .090   .070   .035
X1 78.75                  5544   5544   5544          4.0
QT   6   25500   28000   29500   31000   35000   10800
NC .140   .140   .036
X1 79.8    14    860   1140   5544   5544   5544
GR 900.0   480   850.0   670   840.0   781   830.0   840   823.5   860
GR 821.0   880   818.8   920   818.7   1020   822.0   1127   823.5   1140
GR 830.0   1160   850.0   1200   880.0   1263   900.0   1288
EJ
T1    DOE OAK RIDGE STUDY              DSN=MHCLINCH
T2    50 YEAR FLOOD                 FLOOD PROFILES
T3    CLINCH RIVER MILE 23.1 - 79.8     8-23-91 BCH
J1        4                                  796.00
J2   2          -1
T1    DOE OAK RIDGE STUDY              DSN=MHCLINCH
T2    100 YEAR FLOOD                FLOOD PROFILES
T3    CLINCH RIVER MILE 23.1 - 79.8     8-23-91 BCH
```

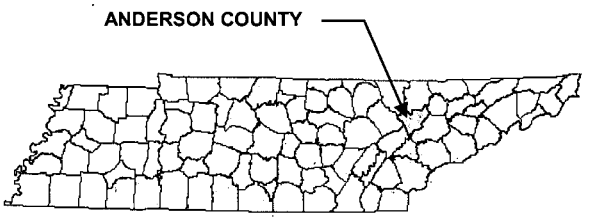
```
J1        5                                  796.00
J2   3          -1
T1    DOE OAK RIDGE STUDY              DSN=MHCLINCH
T2    500 YEAR FLOOD                 FLOOD PROFILES
T3    CLINCH RIVER MILE 23.1 - 79.8     8-23-91 BCH
J1        6                                  796.00
J2  15          -1
ER
```

Attachment 14
Source: Reference 2.12

Calculation No: CDQ000020080038

FLOOD INSURANCE STUDY

ANDERSON COUNTY, TENNESSEE,
AND INCORPORATED AREAS



Community Name	Community Number
CLINTON, CITY OF	470001
LAKE CITY, TOWN OF	475436
NORRIS, CITY OF	470003
OAK RIDGE, CITY OF	475441
OLIVER SPRINGS, TOWN OF	470005
ANDERSON COUNTY (UNINCORPORATED AREAS)	470217

REVISED:
MAY 4, 2009

Federal Emergency Management Agency
FLOOD INSURANCE STUDY NUMBER
47001CV000B

This Countywide Analysis

A summary of the drainage area-peak discharge relationships for the streams previously studied by detailed methods and have been redelineated for this study are shown in Table 4, "Summary of Discharges."

Table 4 – Summary of Discharges

Flooding Source and Location	Drainage Area (square miles)	Peak Discharges (cubic feet per second) 10-Percent-Annual-Chance	2-Percent-Annual-Chance	1-Percent-Annual-Chance	0.2-Percent-Annual-Chance
Blue Springs Branch					
At mile 0.0	2.5	1,100	1,750	2,100	2,900
At mile 0.7	2.3	1,050	1,650	1,950	2,700

Table 4 – Summary of Discharges (continued)

Flooding Source and Location	Drainage Area (square miles)	Peak Discharges (cubic feet per second) 10-Percent-Annual-Chance	2-Percent-Annual-Chance	1-Percent-Annual-Chance	0.2-Percent-Annual-Chance
Brushy Fork Poplar Creek					
At mile 0.0	24.1	5,700	8,700	10,150	13,900
At mile 2.88	*	5040	7,710	9,000	12,330
At mile 3.9	19.5	4,900	7,500	8,750	12,000
At mile 4.0	16.6	4,350	6,700	7,800	10,700
At mile 6.1	14.9	4,000	6,200	7,250	9,950
At mile 7.1	10.2	3,050	4,750	5,550	7,650
Buffalo Creek					
At mile 0.0	1.2	1,690	2,310	2,580	3,230
At mile 0.7	1.9	1,650	2,260	2,530	3,170
At mile 0.9	9.3	1,360	1,860	2,080	2,610
At mile 8.7	10.47	650	890	990	1,250
Bullrun Creek					
At mile 5.2	93.3	9,100	13,8OO	16,300[1]	25.600[1]
At mile 7.3	88.0	8,900	13,900	16,500	25,900
Clinch River					
Just above Emory River	3,540	42,750	52,750	56,500	82,500
At mile 60.0	144.0[3]	30,300	41,000	45,600	52,300
Coal Creek					
At mile 5.0	24.2	5,700	8,750	10,200	13,950
At mile 5.2	24.2	5,700	8,750	10,200	13,950
At mile 5.4	14.5	3,950	6,100	7,100	9,750
At mile 7.9	11.8	3,400	5,250	6,150	8,450
At mile 8.6	10.3	3,100	4,800	5,600	7,700
At mile 8.8	6.5	2,200	3,450	4,050	5,600
At mile 9.5	5.5	1,950	3,050	3,600	4,950

Water-surface elevations of floods of the selected recurrence intervals were calculated for Emory Valley Creek using the USACE HEC-RAS computer program (Reference 42). Water-surface elevations of floods of the selected recurrence intervals were computed for Blue Springs Branch, Buffalo Creek, Bullrun Creek, Brushy Fork Poplar Creek, Coal Creek, East Fork Poplar Creek, Ernies Creek, Gamble Valley Creek, Hinds Creek, Poplar Creek and Tributary to Brushy Fork Creek using the USACE HEC-2N step-backwater computer program (Reference 38).

Starting water-surface elevations for Blue Springs Branch, Brushy Fork Poplar Creek, Indian Creek, and Tributary to Brushy Fork Poplar Creek were obtained by matching the slope of the streambed. Starting water-surface elevations for Buffalo, Ernies, Gamble Valley, Hinds, Little Cow and Middle Creeks, as well as Mineral Springs Branch, were determined using the slope/area method.

Starting elevations for Coal Creek were obtained by matching the slope of the April 1977 flood. Starting elevations for Bullrun Creek were based on the unincorporated areas of Knox County FIS (Reference 39).

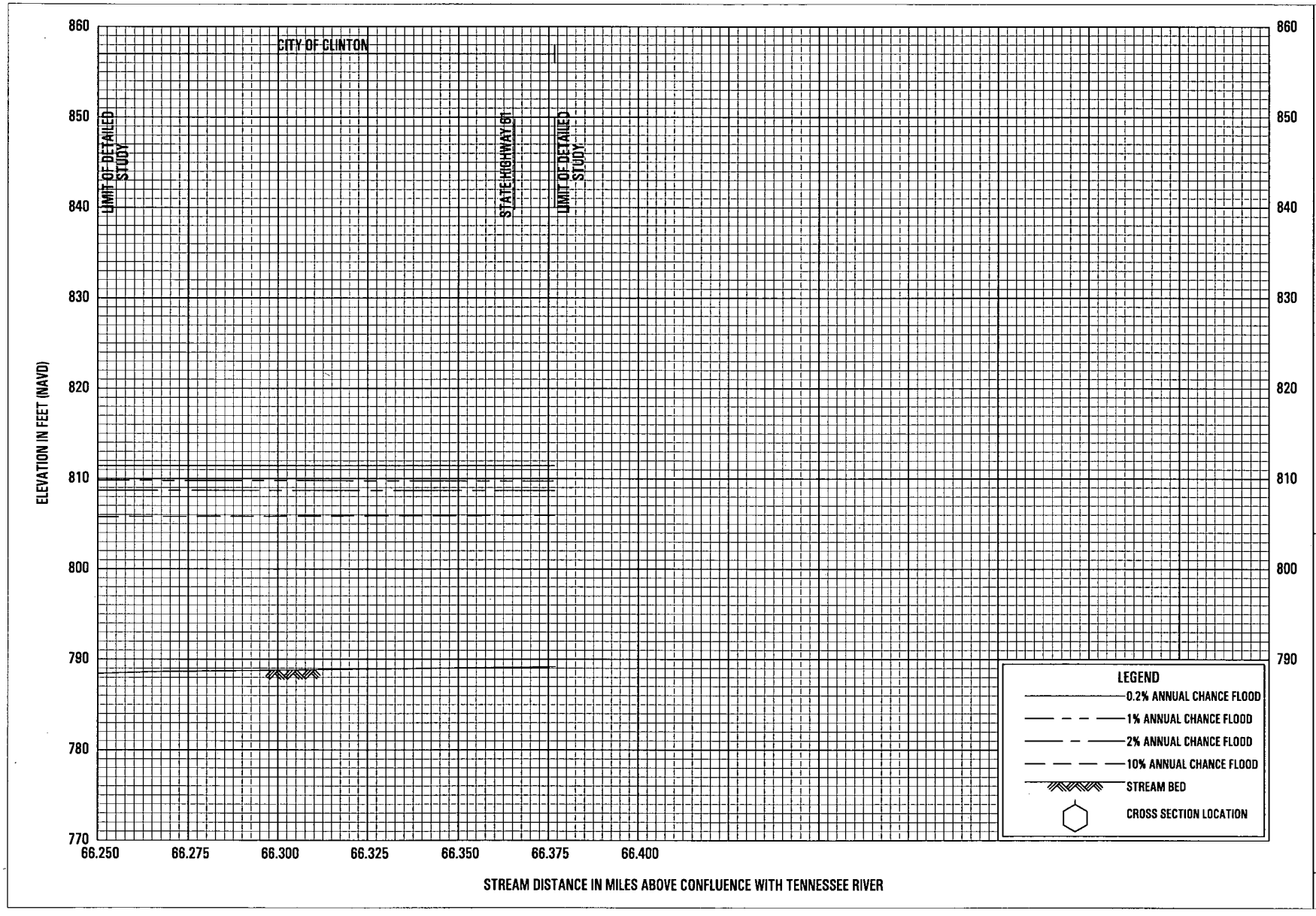
Starting water-surface elevations for the flood-frequency profiles on East Fork Poplar Creek were taken from a rating curve based on existing profiles from past studies. Elevations for Poplar Creek were obtained by matching the water-surface elevations computed of Town of Oliver Springs, Tennessee, FIS (Reference 18).

Starting elevations for the water-surface profiles for the Clinch River were the gate top elevation (796.00 feet) at the Melton Hill Dam (mile 23.10) for floods of the selected recurrence intervals.

Roughness factors (Manning's "n") used in the hydraulic computations were chosen on the basis of field inspections of the channels and floodplain areas, previous studies by the TVA, and computed coefficients based on known flood profiles. The following tabulation shows the channel and overbank "n" values for the streams studied by detailed methods.

Table 5 - Range of Manning's N Values

Stream	Channel	Overbank
Blue Springs Branch	0.050-0.060	0.050-0.120
Buffalo Creek	0.040-0.050	0.070-0.150
Bullrun Creek	0.023-0.079	0.050-0.150
Brushy Fork Poplar Creek	0.050-0.060	0.050-0.095
Clinch River	0.023-0.045	0.070-0.140
Coal Creek	0.040-0.055	0.050-0.090
East Fork Poplar Creek	0.035-0.060	0.055-0.150
Emory Valley Creek	0.050-0.060	0.060-0.120
Ernies Creek	0.050-0.065	0.060-0.120
Gamble Valley Creek	0.050-0.060	0.065-0.100
Hinds Creek	0.038-0.050	0.055-0.100
Indian Creek	0.030-0.072	0.050-0.150
Little Cow Creek	0.060-0.070	0.140-0.150
Poplar Creek	0.027-0.110	0.060-0.250



FLOOD PROFILES

CLINCH RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

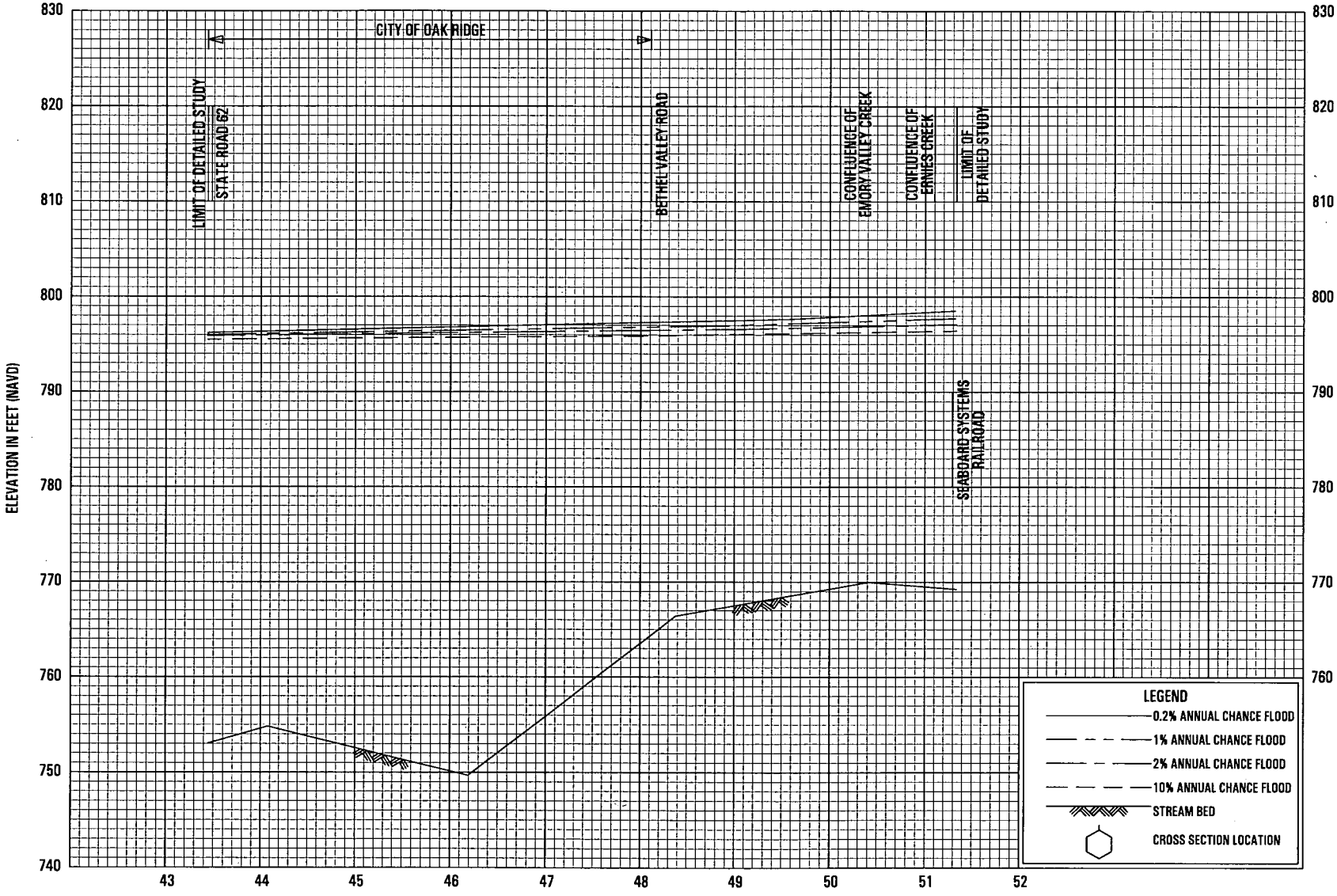
ANDERSON COUNTY, TN

AND INCORPORATED AREAS

15P

Attachment 14
Source: Reference 2.12

Calculation No: CDQ0000020080038



FLOOD PROFILES

CLINCH RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

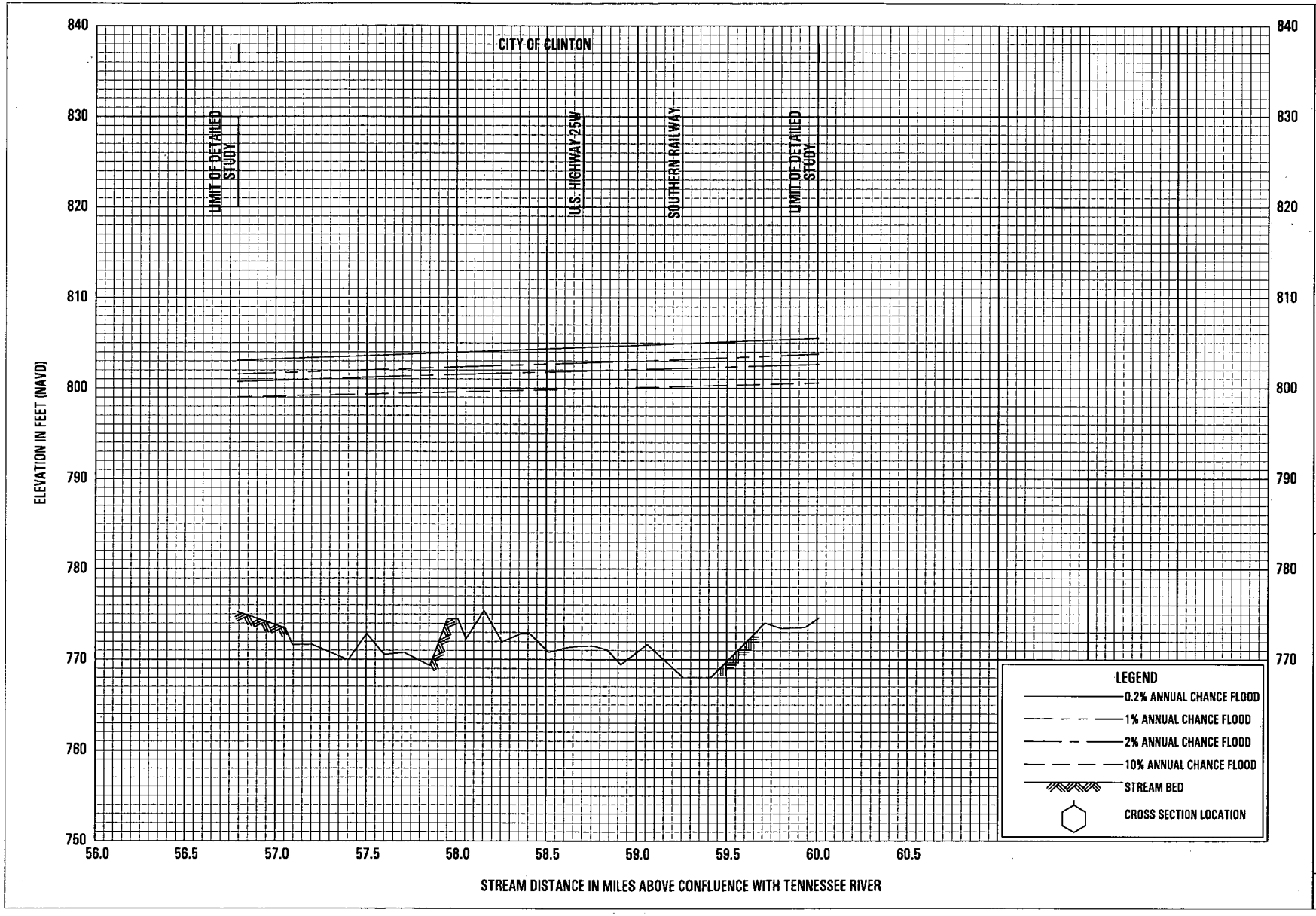
ANDERSON COUNTY, TN

AND INCORPORATED AREAS

13P

Attachment 14
Source: Reference 2.12

Calculation No: CDQ000020080038



FLOOD PROFILES

CLINCH RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

ANDERSON COUNTY, TN

AND INCORPORATED AREAS

14P

Attachment 14
Source: Reference 2.12

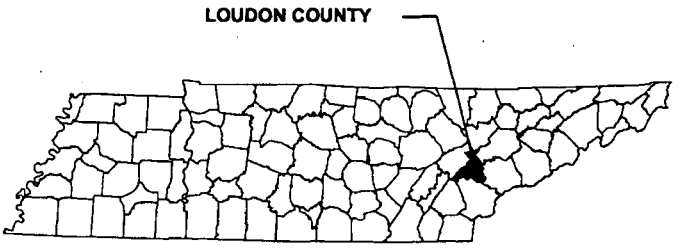
Calculation No: CDQ00002008003B

Attachment 15
Source: Reference 2.13

Calculation No: CDQ000020080038

FLOOD INSURANCE STUDY

LOUDON COUNTY, TENNESSEE,
AND INCORPORATED AREAS



Community Name	Community Number
GREENBACK, CITY OF	470303
LENOIR CITY, CITY OF	475438
LOUDON, CITY OF	470110
PHILADELPHIA, CITY OF	470276
LOUDON COUNTY (UNINCORPORATED AREAS)	470107

May 16, 2007

Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
47105CV000A

elevation data or where there is regulation from upstream dams (FEMA 1992b).
The extrapolation of the frequency curve to the 500-year flood for all streams was guided by estimates of maximum flood flows determined using maximum probable precipitation determined by the National Weather Service. Values of the 10-, 50-, 100-, and 500-year peak discharges were determined for each stream studied in detail.

This Countywide Revision

Peak discharge-frequency relationships for the Limited Detailed study streams, Bacon Creek within the corporate limits of the City of Philadelphia, Dry Valley Branch, Hines Creek and Muddy Creek Tributary 1, were calculated using regression equations for the state of Tennessee (USGS 2000). These equations are dependent upon basin drainage area. Watershed basins for these streams were delineated based on the most detailed and up-to-date topographic data available.

A summary of the drainage area-peak discharge relationships for the streams previously studied by detailed methods that have been redelineated for this study are shown in Table 3, "Summary of Discharges.

Table 3. Summary of Discharges

		Peak Discharges (cubic feet per second)			
Flooding Source and Location	Drainage Area (square miles)	10-Percent-Annual-Chance	2-Percent-Annual-Chance	1-Percent-Annual-Chance	0.2-Percent-Annual-Chance
Bacon Creek					
About 0.04 mile upstream of mouth	6.2	900	1,550	1,850	3,100
About 0.97 mile upstream of mouth	5.9	865	1,480	1,771	2,977
Baker Creek					
About 1.1 miles upstream of Sinking Creek Road	40.5	2,350	3,800	4,900	8,300
About 0.55 mile upstream of State Route 95	30.7	2,007	3,469	4,115	6,738
At upstream County Boundary	22.5	1,700	3,000	3,500	5,800
Clinch River					
At Melton Hill Dam	3,340.0	33,100	42,900	46,200	65,000
About 2.3 miles upstream of confluence with Hope Creek	3,330.0	32,796	42,670	66,067	63,585
Little Tennessee River					
At Tellico Dam	2,627.0	45,000	63,000	71,000	123,000
At upstream County Boundary	2,447.0	45,000	63,000	71,000	123,000
Muddy Creek					
At Fort Loudoun Dam Access Road	11.00	800	1,200	1,400	2,000
About 0.4 mile	7.70	672	1,042	1,208	1,714

Flood elevations shown on the FIRM are primarily intended for flood insurance rating purposes. For construction and/or floodplain management purposes, users are cautioned to us the flood elevation data presented in this FIS report in conjunction with the data shown on the FIRM.

Pre-countywide Analyses

The unincorporated areas within Loudon County and the Cities of Greenback, Lenoir City and Loudon have a previously printed FIS report narrative. The hydraulic analyses described in those narratives are summarized below.

Analyses of the hydraulic characteristics of the streams studied in detail in the community are carried out to provide estimates of the elevations of floods of the selected recurrence intervals along each of these streams. Cross sections for the backwater analyses of the upland streams were field surveyed and located at bridges and other strategic locations at sufficiently close intervals to accurately compute water surface elevations. All bridges and culverts were surveyed to record elevation and structural geometry. The Tennessee and Clinch River cross sections were based on silt range surveys and detailed topographic maps. Cross sections along the Little Tennessee River were determined from detailed topographic maps (FEMA 1992b).

Channel roughness factors (Manning's "n") for these computations were determined on the basis of field inspection of channel and flood plain areas, on previous studies by the TVA, and computed coefficients based on known flood profiles. Factors used are shown in Table 4.

Table 4. Manning's "n" Values

Stream	Channel "n"	Overbank "n"
Bacon Creek	0.031 – 0.060	0.060 – 0.107
Baker Creek	0.030 – 0.050	0.07 – 0.15
Clinch River	0.023 – 0.027	0.07 – 0.14
Little Tennessee River	0.013 – 0.045	0.045 – 0.10
Muddy Creek	0.028 – 0.060	0.03 – 0.15
Steekee Creek	0.025 – 0.063	0.06 – 0.015
Sweetwater Creek	0.025 – 0.066	0.05 – 0.175
Tennessee River	0.026 – 0.050	0.07 – 0.15
Town Creek	0.026 – 0.060	0.07 – 0.15

Water-surface elevations of floods for the selected recurrence intervals for Bacon Creek, Baker Creek, Clinch River, Little Tennessee River, Muddy Creek, Steekee Creek, Sweetwater Creek and Town Creek were computed through use of a step method backwater computer program developed by the TVA similar to but with some alterations to the Army Corps of Engineers HEC-2 backwater program. Starting elevations for flood-frequency profiles in Watts Bar and Fort Loudoun Reservoirs are 529.9 and 602.3 feet (NGVD), respectively, and were based on an analysis of recorded headwater data. Starting elevations for frequency profiles along the Clinch River were developed from known data for Watts Bar Reservoir and Melton Hill Dam top-of-gate elevation. Starting elevation for frequency profiles in Tellico Reservoir for the Little Tennessee River and Baker Creek was the Tellico Dam top-of-gate elevation. The 500-, 100-, and 50-year

Attachment 15
Source: Reference 2.13

Calculation No: CDQ00002008038

FLOODING SOURCE		FLOODWAY			1-PERCENT-ANNUAL-CHANCE FLOOD WATER-SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
BACON CREEK								
A	0.40	350[2]	1,490	1.2	856.4	856.4	857.1	0.7
B	0.50	350[2]	1,000	1.0	857.1	857.1	857.6	0.5
C	0.64	350[2]	1,000	1.8	858.6	858.6	858.8	0.2
D	0.97	220[2]	520	3.4	864.9	864.9	864.9	0.0
E	1.30	120	560	2.8	873.9	873.9	874.4	0.5
F	1.48	190	400	3.4	880.2	880.2	880.2	0.0
BAKER CREEK								
A	6.86	190[2]	1,640	2.8	831.5	831.5	831.6	0.1
B	7.54	236[2]	2,300	1.8	833.7	833.7	833.8	0.1
C	8.06	240[2]	2,510	1.7	835.6	835.6	835.8	0.2
D	8.32	350[2]	3,420	1.2	835.9	835.9	836.1	0.2
E	8.94	420	3,210	1.3	836.5	836.5	836.7	0.2
F	9.50	480	3,150	1.3	837.2	837.2	837.5	0.3
G	10.25	250	1,750	2.3	839.4	839.4	839.8	0.4
H	11.05	180	1,510	2.7	842.9	842.9	843.1	0.2
I	11.72	190	1,700	2.1	846.4	846.4	846.5	0.1
CLINCH RIVER								
A	23.10	600[2]	26,900	1.7	795.7	795.7	795.7	0.0
B	25.20	900[2]	45,960	1.0	795.8	795.8	795.8	0.0
C	27.30	910[2]	40,340	1.1	795.8	795.8	795.8	0.0

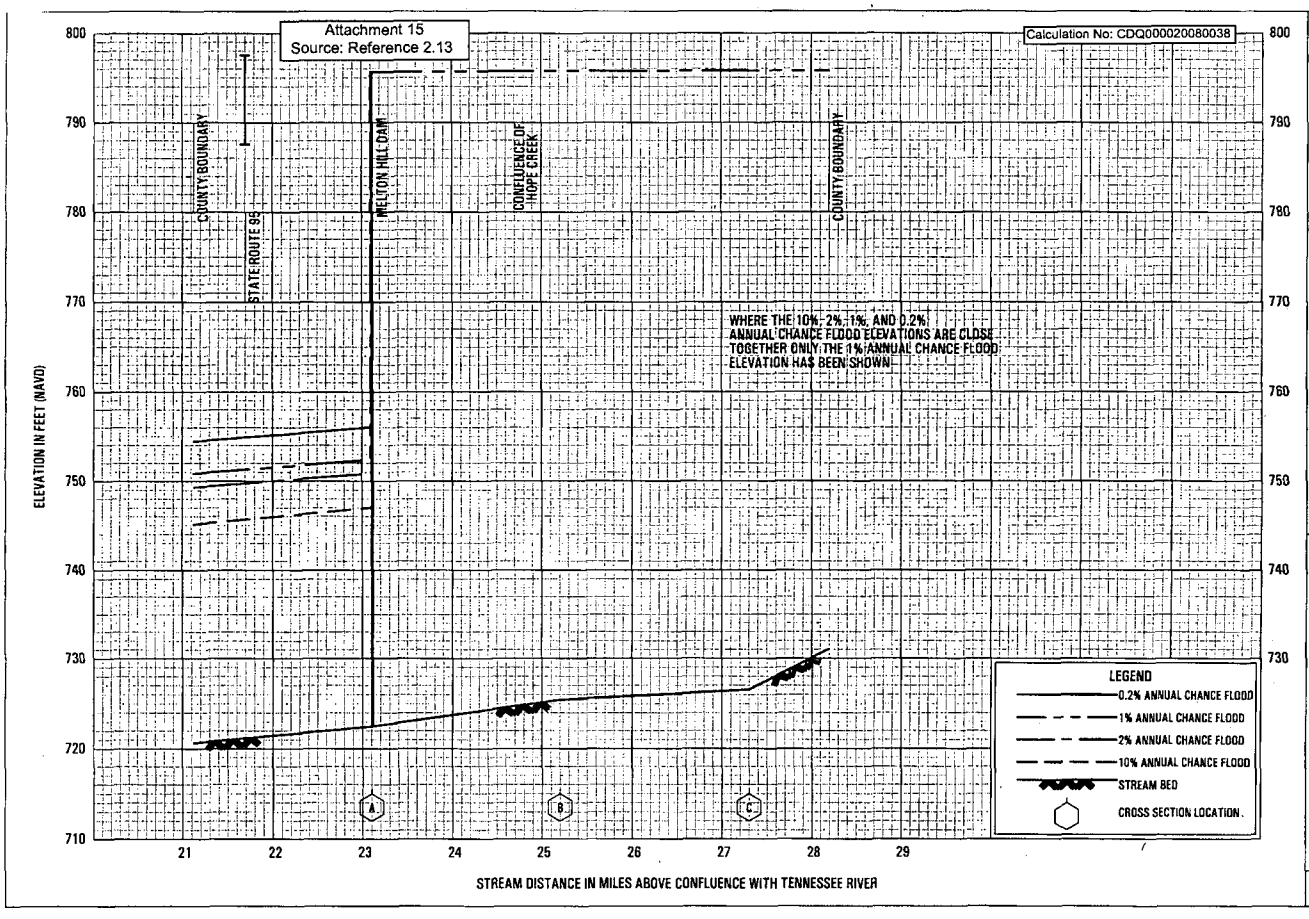
[1]MILES ABOVE MOUTH
[2]PORTION OF FLOODWAY OUTSIDE COUNTY BOUNDARY

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
LOUDON COUNTY, TN
AND INCORPORATED AREAS

FLOODWAY DATA

BACON CREEK - BAKER CREEK - CLINCH RIVER



FLOOD PROFILES

CLINCH RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

LOUDON COUNTY, TN

AND INCORPORATED AREAS

07P

Attachment 16
Source: Reference 2.1

Calculation No: CDQ000020080038

RS	Drainage Area (Sq. Mi.)	Change in DA (Sq. Mi.)	% Change	Local flow (cfs)
79.8	2912	0	0.000	0
78.8	2913	1	0.002	57
77.7	2916	4	0.009	228
75.9	2921	9	0.021	513
75.6	2945	33	0.077	1880
75	2992	80	0.186	4559
73.5	2973	61	0.142	3476
72.6	2961	49	0.114	2792
71.4	2962	50	0.116	2849
71.3	2962	50	0.116	2849
69.3	2969	57	0.132	3248
67.2	2977	65	0.151	3704
66.3	2980	68	0.158	3875
65.1	3001	89	0.206	5072
63	3039	127	0.295	7237
62.3	3051	139	0.323	7921
60.9	3053	141	0.327	8035
59	3056	144	0.334	8206
58.8	3056	144	0.334	8206
57	3061	149	0.346	8491
55	3066	154	0.357	8775
54	3068	156	0.362	8889
53.1	3070	158	0.367	9003
51.4	3073	161	0.374	9174
51	3075	163	0.378	9288
48.3	3086	174	0.404	9915
47.6	3089	177	0.411	10086
46.7	3092	180	0.418	10257
46.2	3103	191	0.443	10884
44.1	3148	236	0.548	13448
42	3192	280	0.650	15955
41.5	3203	291	0.675	16582
39.6	3209	297	0.689	16924
39.1	3285	373	0.865	21255
39	3300	388	0.900	22110
37	3304	392	0.910	22338
36	3306	394	0.914	22452
34.6	3309	397	0.921	22623
33.9	3311	399	0.926	22737
33.6	3312	400	0.928	22794
31.5	3318	406	0.942	23135
30.1	3322	410	0.951	23363
29	3326	414	0.961	23591
27.3	3331	419	0.972	23876
25.2	3337	425	0.986	24218
23.1	3343	431	1.000	24560

Attachment 16
Source: Reference 2.1

Calculation No: CDQ000020080038

	Flow at Norris =	8890 cfs
Local + Dam Flow (cfs)	Flow at Melton Hill =	33450 cfs
8890	Contribution from Local =	24560 cfs
8947		
9118		
9403		
10770		
13449		
12366		
11682		
11739		
11739		
12138	(Red) values came from Reference 2.1.	
12594		
12765		
13962		
16127		
16811		
16925		
17096		
17096		
17381		
17665		
17779		
17893		
18064		
18178		
18805		
18976		
19147		
19774		
22338		
24845		
25472		
25814		
30145		
31000		
31228		
31342		
31513		
31627		
31684		
32025		
32253		
32481		
32766		
33108		
33450		

Attachment 16
Source: Reference 2.1

Calculation No: CDQ000020080038

	River	Reach	RS	TVA Hec-2 File 100-yr	TVA Hec-2 File 500-yr	Anderson Co. FIS 100-yr	Anderson Co. FIS 500-yr	Loudoun Co. FIS 100-yr	Loudoun Co. FIS 500-yr
1	RIVER-1	Reach-1	79.8	31000	35000	31000	35000		
2	RIVER-1	Reach-1	77.7	31750	36200				
3	RIVER-1	Reach-1	75.6	32500	37400				
4	RIVER-1	Reach-1	73.5	33250	38600				
5	RIVER-1	Reach-1	71.4	34000	39800				
6	RIVER-1	Reach-1	69.3	34750	41000				
7	RIVER-1	Reach-1	67.2	35500	42200				
8	RIVER-1	Reach-1	65.1	41127	50217				
9	RIVER-1	Reach-1	63	41512	50877				
10	RIVER-1	Reach-1	60.9	41897	51537				
			60			45600	52300		
11	RIVER-1	Reach-1	58.8	42282	52197				
12	RIVER-1	Reach-1	57	42667	52857				
13	RIVER-1	Reach-1	55	43052	53517				
14	RIVER-1	Reach-1	53.1	43437	54177				
15	RIVER-1	Reach-1	51	43822	54837				
16	RIVER-1	Reach-1	48.3	44207	55497				
17	RIVER-1	Reach-1	46.2	52070	68070				
18	RIVER-1	Reach-1	44.1	52366	68366				
19	RIVER-1	Reach-1	42	52662	68662				
20	RIVER-1	Reach-1	39.1	52958	68958				
21	RIVER-1	Reach-1	37	60326	80548				
22	RIVER-1	Reach-1	36	60708	81184				
23	RIVER-1	Reach-1	34.6	60931	81555				
24	RIVER-1	Reach-1	33.6	61090	81820				
25	RIVER-1	Reach-1	31.5	61472	82456				
26	RIVER-1	Reach-1	30.1	61625	82710				
27	RIVER-1	Reach-1	29	61854	83092				
28	RIVER-1	Reach-1	27.3	62236	83728				
29	RIVER-1	Reach-1	25.2	62618	84364			66067	63585
30	RIVER-1	Reach-1	23.1	63000	85000	46200	65000	46200	65000

Attachment 02.04.03-08E
TVA letter dated February 12, 2010
RAI Response

ASSOCIATED ATTACHMENTS/ENCLOSURES:

Attachment 02.04.03-8E: SOCH Model Calibration, Chickamauga CDQ000020080039

(126 Pages including Cover Sheet)

L58 091230 11

NPG CALCULATION COVERSHEET/CCRIS UPDATE

Page 1

REV 0 EDMS/RIMS NO	EDMS TYPE	EDMS ACCESSION NO (N/A for REV 0)
L58 090804 001	calculations(nuclear)	L58 091230 011

Calc Title: SOCH Model Calibration, Chickamauga

CALC ID	TYPE	ORG	PLANT	BRANCH	NUMBER	CUR REV	NEW REV
CURRENT	CN	NUC	GEN	CEB	CDQ000020080039	0	1
NEW							

REVISION APPLICABILITY: Entire calc ☒ Selected pages ☐

ACTION	NEW ☐ REVISION ☒	DELETE ☐ RENAME ☐	SUPERSEDE ☐ DUPLICATE ☐	CCRIS UPDATE ONLY ☐ (Verifier Approval Signatures Not Required)	No CCRIS Changes ☐ (For calc revision, CCRIS been reviewed and no CCRIS changes required)

UNITS	SYSTEMS	UNIDS
N/A	N/A	N/A

DCN,EDC,N/A	APPLICABLE DESIGN DOCUMENT(S)	CLASSIFICATION
EDCN 22404A (SQN), EDCN 54018A (WBN), LATER (BFN)	N/A	E

QUALITY RELATED?	SAFETY RELATED? (If yes, QR = yes)	UNVERIFIED ASSUMPTION	SPECIAL REQUIREMENTS AND/OR LIMITING CONDITIONS?	DESIGN OUTPUT ATTACHMENT?	SAR/TS and/or ISFSI SAR/CoC AFFECTED
Yes ☒ No ☐	Yes ☒ No ☐	Yes ☐ No ☒	Yes ☐ No ☒	Yes ☐ No ☒	Yes ☐ No ☒

PREPARER ID	PREPARER PHONE NO	PREPARING ORG (BRANCH)	VERIFICATION METHOD	NEW METHOD OF ANALYSIS
cfstokes	615-252-4343	CEB	See Page 6	☐ Yes ☒ No

PREPARER SIGNATURE	DATE	CHECKER SIGNATURE	DATE
Carrie L. Stokes Carrie L Stokes	12/14/09	L. Yu Lin L. Lin	12/14/09
VERIFIER SIGNATURE	**DATE**	**APPROVAL SIGNATURE**	**DATE**
L. Yu Lin L. Lin	12/14/09	K.R. Stokes K.R. Stokes 12/23/09	12/23/09

STATEMENT OF PROBLEM/ABSTRACT

TVA's Simulated Open Channel Hydraulics (SOCH) Model has been developed and used for flood routing calculations for the Tennessee River and tributaries. The SOCH Model Calibrations for each reservoir calculate Manning's *n* values so that the SOCH Model will accurately model the river discharges and elevations of known events. The SOCH Model can then reliably predict flood conditions for events of other magnitudes. This calculation presents the SOCH Model Calibration for the Chickamauga Reservoir.

This calculation contains electronic attachments and must be stored in EDMS as an Adobe.pdf file to maintain the ability to retrieve the electronic attachments.

MICROFICHE/EFICHE Yes ☐ No ☒ FICHE NUMBER(S)

☐ LOAD INTO EDMS AND DESTROY

☒ LOAD INTO EDMS AND RETURN CALCULATION TO CALCULATION LIBRARY. ADDRESS:LP 4D-C

☐ LOAD INTO EDMS AND RETURN CALCULATION TO:

NPG CALCULATION COVERSHEET/CCRIS UPDATE

REV 0 EDMS/RIMS NO.	EDMS TYPE:	EDMS ACCESSION NO (N/A for REV. 0)
L58 090804 001	calculations(nuclear)	N/A

Calc Title: SOCH Model Calibration, Chickamauga

CALC ID	TYPE	ORG	PLANT	BRANCH	NUMBER	CUR REV	NEW REV
CURRENT	CN	NUC					
NEW	CN	NUC	GEN	CEB	CDQ000020080039	N/A	0

REVISION APPLICABILITY
Entire calc ☐
Selected pages ☐

ACTION	NEW ☒ REVISION ☐	DELETE ☐ RENAME ☐	SUPERSEDE ☐ DUPLICATE ☐	CCRIS UPDATE ONLY ☐ (Verifier Approval Signatures Not Required)	No CCRIS Changes ☐ (For calc revision, CCRIS been reviewed and no CCRIS changes required)

UNITS	SYSTEMS	UNIDS
N/A	N/A	N/A

DCN,EDC,N/A	APPLICABLE DESIGN DOCUMENT(S)	CLASSIFICATION
EDCN 22404A (SQN), EDCN 54018A (WBN), LATER (BLN)	N/A	E

QUALITY RELATED?	SAFETY RELATED? (If yes, QR = yes)	UNVERIFIED ASSUMPTION	SPECIAL REQUIREMENTS AND/OR LIMITING CONDITIONS?	DESIGN OUTPUT ATTACHMENT?	SAR/TS and/or ISFSI SAR/CoC AFFECTED
Yes ☒ No ☐	Yes ☒ No ☐	Yes ☐ No ☒	Yes ☐ No ☒	Yes ☐ No ☒	Yes ☐ No ☒

PREPARER ID	PREPARER PHONE NO	PREPARING ORG (BRANCH)	VERIFICATION METHOD	NEW METHOD OF ANALYSIS
J.T. SCHLAMP	615-252-4350	CEB	Design Review	☐ Yes ☒ No

PREPARER SIGNATURE	DATE	CHECKER SIGNATURE	DATE
Janelle T. Schlamp Janelle T. Schlamp	7/15/09	Bryant Bondurant BRYANT BONDURANT	7/15/09

VERIFIER SIGNATURE	DATE	APPROVAL SIGNATURE	DATE
L. Lin	7-15-09	pbs 7/31/09 K.E. Spates K.E. Spates	8-3-09

STATEMENT OF PROBLEM/ABSTRACT

7-24-09

TVA's Simulated Open Channel Hydraulics (SOCH) Model has been developed and used for flood routing calculations for the Tennessee River and tributaries. The SOCH Model Calibrations for each reservoir calculate Manning's *n* values so that the SOCH Model will accurately model the river discharges and elevations of known events. The SOCH Model can then reliably predict flood conditions for events of other magnitudes. This calculation presents the SOCH Model Calibration for the Chickamauga Reservoir.

This calculation contains electronic attachments and must be stored in EDMS as an Adobe.pdf file to maintain the ability to retrieve the electronic attachments.

MICROFICHE/EFICHE Yes ☐ No ☒ FICHE NUMBER(S)

☐ LOAD INTO EDMS AND DESTROY
☒ LOAD INTO EDMS AND RETURN CALCULATION TO CALCULATION LIBRARY. ADDRESS:LP 4D-C
☐ LOAD INTO EDMS AND RETURN CALCULATION TO:

NPG CALCULATION COVERSHEET/CCRIS UPDATE

CALC ID	TYPE	ORG	PLANT	BRANCH	NUMBER	REV
	CN	NUC	GEN	CEB	CDQ000020080039	1

ALTERNATE CALCULATION IDENTIFICATION

BLDG	ROOM	ELEV	COORD/AZIM	FIRM BWSC	Print Report Yes ☐

CATEGORIES

KEY NOUNS (A-add, D-delete)

ACTION (A/D)	KEY NOUN	A/D	KEY NOUN

CROSS-REFERENCES (A-add, C-change, D-delete)

ACTION (A/C/D)	XREF CODE	XREF TYPE	XREF PLANT	XREF BRANCH	XREF NUMBER	XREF REV
A	P	CO	GEN	CEB	SOCH Version 1.0	
A	P	CO	GEN	CEB	CONVEY Version 1.0	

CCRIS ONLY UPDATES:
Following are required only when making keyword/cross reference CCRIS updates and page 1 of form NEDP-2-1 is not included:

PREPARER SIGNATURE	DATE	CHECKER SIGNATURE	DATE
PREPARER PHONE NO.	EDMS ACCESSION NO.		

NPG CALCULATION RECORD OF REVISION

CALCULATION IDENTIFIER CDQ000020080039

Title SOCH Model Calibration, Chickamauga

Revision No.	DESCRIPTION OF REVISION
0	Initial issue (72 pages)
1	This calculation was revised to address the following: • PER 203951. The verification of the original calculation was completed by personnel who had not completed the required NEDP-7 Job Performance Record (JPR). A verification JPR is now in place for all personnel engaged in verification tasks. Checking includes only changes made in this revision as the checking of the calculation was not impacted by PER 203951. The verification is inclusive of work completed prior to this revision. • PER 203872 – Replaced NEDP-2 forms pages 2 through 13 with the forms from the NEDP-2 Revision in effect at the time of calculation issuance. • Updated References 2.6, 2.7, and 2.15. Note: Dam rating curves were used in this calculation as a common starting point between two models. Any changes to the dam rating curves will have no impact on the calibration effort and does not require revision of the calibration. Significant changes in Revision 1 are noted with a right margin revision bar. Administrative changes and typos are excluded. Pages Added: 1a & 6a Pages Replaced: 1 -13, 16, 21, 24, 36, 48, 62, and 70 Total pages of calculation hard copy for Revision 1= 74

NPG CALCULATION TABLE OF CONTENTS

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APPENDIX		
A	Final Manning's *n*, SOCH Geometry, and Calibration Graphs	N/A
B	May 2003 Flood Flows, Hiwassee River	N/A
C	Drainage Areas for Streams in Tennessee River Basin	2 pages
D	SOCH Input Files, Steady-State (.dat, .bnd)	N/A
E	SOCH Input Files, March 1973 Flood (.dat, .loc, .bnd)	N/A
F	SOCH Input Files, May 2003 Flood (.dat, .loc, .bnd)	N/A
G	SOCH Output File, Steady-State (.out)	N/A
H	SOCH Output Files, March 1973 (.out, .prt)	N/A
I	SOCH Output Files, May 2003 (.out, .prt)	N/A
J	Calibrated Steady-State HEC-RAS Model	N/A
K	CONVEY Files and SOCH Geometry Files	N/A

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ATTACHMENT	TITLE	PAGE
1	Initial Geometry Files	N/A
2	HEC-Hydraulic Reference Manual	13 pages
3	Chickamauga Dam Headwater Rating Curve	N/A
4	Watts Bar Tailwater Rating Curve	N/A
5	March 1973 Flood Elevations and Flows, Tennessee River	N/A
6	Chickamauga Flows & Elevations May 2003	N/A
7	March 1973 Flood Elevations and Flows, Hiwassee River	6 pages
8	Local Inflows Developed from Unit Hydrographs	N/A
9	Flood Insurance Study, Bradley County, Tennessee	5 pages
10	SOCH Input Preprocessor, Steady-State	N/A
11	SOCH Input Preprocessor, March 1973 Flood	N/A
12	SOCH Input Preprocessor, May 2003 Flood	N/A
13	Macro File for SOCH Preprocessor	N/A
14	Macro File for Extraction of SOCH Output	N/A
15	Flood Insurance Study, Meigs County, Tennessee	4 pages
16	Native Word Calculation File	N/A

NPG CALCULATION VERIFICATION FORM

Calculation Identifier CDQ000020080039 Revision 1

Method of verification used:

1. Design Review ☒
2. Alternate Calculation ☐
3. Qualification Test ☐

Verifier L. Yu Lin Date 12/14/09

L. Lin

Comments:

This calculation entitled, SOCH Model Calibration, Chickamauga was verified by independent design review. The process involved a critical review of the calculation to ensure that it is correct and complete, uses appropriate methodologies, and achieves its intended purpose. The inputs were reviewed and determined to be appropriate inputs for this calculation. The results of the calculation were reviewed and were found to be reasonable and consistent with the inputs provided. Backup files and documents were consulted as necessary to verify data and analysis details found in the calculation.

Detailed comments and editorial suggestions for the changes made in this revision were transmitted to the author and reviewer by email along with a marked up copy of the calculation.

(Note: The design verification of this calculation revision is for the total calculation, not just the changes made in the revision. This complete re-verification is performed to disposition PER 203951 as described in the Calculation Revision Log on Page 3)

NPG CALCULATION VERIFICATION FORM

Calculation Identifier CDQ000020080039 Revision 0

Method of verification used:

1. Design Review ☒
2. Alternate Calculation ☒
3. Qualification Test ☐

Verifier L. Yu Lin Date 7-15, 2009

L. Lin

Comments:

The purpose of this calculation is to calibrate the Simulated Open Channel Hydraulics Model (SOCH) developed by TVA, so that the SOCH model can be reliably used to predict other magnitudes of flood. The fundamental design view process for this calculation was a design review of the data collection, model simulation, model calibration and model verification. Alternate calculations were conducted to verify this design process as described below:

As discussed on Page 18, a steady-state model for the Chickamauga Reservoir was developed using the U.S. Army Corps of Engineers Center's River Analysis System (HEC-RAS) version 3.1.3. The Manning's values in the HEC-RAS were calibrated to match the high-water marks for the 1973 and 2003 flood events. The Manning's values were also verified using V.T. Chow's Open Channel Hydraulics (1959) and Roughness Characteristics of Natural Channels: Geological Survey Water-Supply Paper 1849 (1967) as alternate design process. The Manning's values from the SOCH and HEC-RAS model were consistent with the values listed in both reference books. It concluded that the Manning's values in the SOCH and the HEC-RAS model were properly used for the Chickamauga Reservoir calculation.

As discussed on Page 26, the flow data of the 0.2 Percent Annual Chance flood and the 1 Percent Annual Chance flood published in the Flood Insurance Study (FIS) for the Hiwassee River were collected. As compared to the 0.2 Percent Annual Chance flood and the 1 Percent Annual Chance flood in the Tennessee River at River Mile 499.4, the flow ratio of these two rivers was calculated. Based on the flow ratio and the stage of the Tennessee River at River Mile 499.4, the downstream boundary condition at the Hiwassee River was developed.

Since a difference source was used to verify the input data for the TVA model, compliance with NEDP-2, Section 3.1.J.2 is achieved.

As shown in Appendix D, steady-state HEC-RAS models of the Chickamauga Reservoir and the Hiwassee River were developed to demonstrate that given the same inputs as SOCH models, the results showed that HEC-RAS models produce equivalent results as SOCH models.

Since a difference source was used to verify the results of the models, compliance with NEDP-2, Section 3.1.J.2 is achieved.

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Subject:
SOCH Model Calibration, Chickamauga

☐ Electronic storage of the input files for this calculation is not required. Comments:

☒ Input files for this calculation have been stored electronically and sufficient identifying information is provided below for each input file. (Any retrieved file requires re-verification of its contents before use.)

These files are electronically attached to the parent ADOBE.pdf calculation file. All files are therefore stored in an unalterable medium and are retrievable through the EDMS number for this calculation.

Appendix A
1. Final_Mannings_n.xls
2. ChickamaugaRev1.1.geo
3. HiwasseeRev1.1.geo
4. DallasBayRev1.0.geo
5. ChickamaugaHEC_RAS_SteadyState_Profiles_071309.xls
6. HiwasseeHEC_RAS_Profiles_071609.xls
7. Chickamauga_HECRAS_SOCH_SS_Profiles 072109.xls
8. Hiwassee_HECRAS_SOCH_SS_Profiles 072109.xls
9. Chick_Observed vs SOCH Mar1973 Hydrographs 072109.xls
10. Chick_Observed vs SOCH May2003 Hydrographs 072109.xls

Appendix B
11. Flows_Hiwassee_at_Charleston_May2003.xls

Appendix C
12. Appendix C_Drainage Areas for Streams in Tennessee River Basin.pdf

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Appendix D
13. Chickamauga_Calibrate_100Kto1300K.dat
14. WattsBar100Kto1300K.bnd
15. Hiwassee_Calibrate_100Kto1300K.dat
16. CharlestonGage100Kto1300K.bnd

Appendix E
17. Chickamauga_Calibrate_Mar1973.dat
18. Chickamauga_Calibrate_Mar1973.bnd
19. Mar1973LocalInflowHydrograph_Chickamauga.loc

Appendix F
20. Chickamauga_Calibrate_May2003.dat
21. Chickamauga_Calibrate_May2003.bnd
22. May2003LocalInflowHydrograph_Chickamauga.loc

Appendix G
23. Chickamauga_Calibrate_100Kto1300K.out
24. Hiwassee_Calibrate_100Kto1300K.out

Appendix H
25. Chickamauga_Calibrate_Mar1973.out
26. Chickamauga_Calibrate_Mar1973.prt

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Appendix I

27. Chickamauga_Calibrate_May2003.out
28. Chickamauga_Calibrate_May2003.prt

Appendix J

29. Chickamauga100K.f01
30. Chickamauga100K.f02
31. Chickamauga100K.f03
32. Chickamauga100K.g01
33. Chickamauga100K.p01
34. Chickamauga100K.p02
35. Chickamauga100K.p03
36. Chickamauga100K.prj
37. Hiwassee.f01
38. Hiwassee.f02
39. Hiwassee.g01
40. Hiwassee.p01
41. Hiwassee.p02
42. Hiwassee.prj

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Appendix K

43. Chickamauga100K.g01
44. Chickamauga CONVEY 20090721.dat
45. Chickamauga CONVEY 20090721.out
46. Chickamauga CONVEY 20090721.prt
47. Chickamauga CONVEY 20090721.xls
48. Chickamauga Merge 20090721.xls
49. ChickamaugaRev1.0.geo
50. ChickDallasBay.g02
51. Dallas Bay CONVEY 20090629.dat
52. Dallas Bay CONVEY 20090629.out
53. Dallas Bay CONVEY 20090629.prt
54. Dallas Bay CONVEY 20090629.xls
55. DallasBayRev1.0.geo
56. HiwasseeRev1.0.geo
57. Hiwassee CONVEY 20090721.dat
58. Hiwassee CONVEY 20090721.out
59. Hiwassee CONVEY 20090721.prt
60. Hiwassee CONVEY 20090721.xls
61. Hiwassee.g01

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Attachment 1
62. Chickamauga20090520.g01
63. Chickamauga20090625.geo
64. Chickamauga CONVEY 20090528.xls
65. Chickamauga Merge 20090625.xls
66. ChickDallasBay20090423.g01
67. Dallas Bay CONVEY 20090602.xls
68. DallasBay20090625.geo
69. Hiwassee20090625.geo
70. Hiwassee20090409.g01
71. Hiwassee CONVEY 20090512.xls

Attachment 2
72. Attachment_02_HEC-Hydraulic Reference Manual.pdf

Attachment 3
73. Spreadsheet Calculations - Old Lock .xls

Attachment 4
74. Watts Bar Rating Curves.xls

Attachment 5
75. RFI_018_All_Chickamauga_Flows_&_Elevations_Mar1973_rev0.xls

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Attachment 6
76. RFI_018_All_Chickamauga_Flows_&_Elevations_May2003_rev0.xls
77. All_Watts_Bar_Flows_&_Elevations_May2003_rev1.xls

Attachment 7
78. Attachment_07_March 1973 Flood Elevations and Flows, Hiwassee River.pdf

Attachment 8
79. Att 1-1_Subbasins 44B-45 Hydrographs for SOCH.xls

Attachment 9
80. Attachment_09_Flood Insurance Study_Bradley County_Tennessee.pdf

Attachment 10
81. Chickamauga_100Ksteps_BuildSOCHdata.xls
82. Hiwassee_100Ksteps_BuildSOCHdata.xls

Attachment 11
83. Mar1973_BuildSOCHdata072109.xls

Attachment 12
84. Chickamauga_May2003_BuildSOCHdata072109.xls

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Attachment 13
85. SOCH_Macros.xls

Attachment 14
86. Flood_ExtractSelectedSOCHOutputHydrographs.xls

Attachment 15
87. Attachment_15_Flood_Insurance_Study_Meigs_County_Tennessee.pdf

Attachment 16
88. CDQ0000200800039_Rev_1.doc

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1. Purpose

TVA's Simulated Open Channel Hydraulics (SOCH) Model has been developed and used for flood routing calculations for the Tennessee River and selected tributaries. The SOCH Model is calibrated for each reservoir so that the model will accurately replicate observed river discharges and elevations for known historic events. The SOCH model can then be used to reliably predict flood elevations and discharges for events of other magnitudes. This calculation presents the SOCH model calibration for Chickamauga Reservoir (Figure 1).

History

Tennessee Valley Authority (TVA) developed the method of analysis, procedures and computer programs needed to determine the design basis flood levels for nuclear plant sites in the 1970s. Determination of maximum flood levels included consideration of the most severe flood conditions that may be reasonably predicted to occur at a site as a result of both severe hydrometeorological conditions and seismic activity. This process was followed to meet Nuclear Regulatory Guide 1.59. At that time there were no standard computer programs (codes) available that would handle unsteady flow and dam failure analysis. As a result of this early work TVA developed a runoff and stream course modeling procedure for the TVA reservoir system that provided the basis for currently licensed plants (Sequoyah Nuclear Plant, Watts Bar Nuclear Plant and Browns Ferry Nuclear Plant). The Bellefonte Nuclear Plant (BLN) Unit 1 and Unit 2 Final Safety Analysis Report (FSAR) was also based on this process.

The BLN Unit 3 and Unit 4 Combined Operating License Application (COLA) was submitted using data and analysis that was determined for the original BLN FSAR (Unit 1 and Unit 2) and was documented in a 1998 reassessment calculation.

A quality assurance audit conducted by NRC staff in early 2008 raised several documentation questions related to past work regarding design basis flood level determinations because TVA's nuclear organization was not able to readily produce supporting materials for the review. While there is supporting data and analysis available to document the work, it is stored in multiple file books and on microfilm stored in both Knoxville and Chattanooga. This calculation supports and documents the procedure followed to calibrate the Chickamauga Reservoir SOCH model.

The purpose of this calculation is to document the calibration process for the Chickamauga Reservoir portion of the SOCH model so that it can be reliably used to predict flood elevations and discharges for events of varying magnitudes and to validate the unit hydrograph local inflows. Inputs to this calculation include channel geometry, local inflow hydrographs, dam rating curves and historic flood elevations and discharges. The result of this calculation will be the final Manning's *n* values for the Chickamauga Reservoir and the SOCH geometry files for the Chickamauga Reservoir to be used in the SOCH PMF determination for TVA Nuclear Plant sites. In the SOCH PMF determination and other subsequent analyses such as seismic failure evaluations, the Chickamauga Reservoir model will be run in series with models of the other reservoirs. As a result, additional modification to the SOCH geometry for Chickamauga Reservoir may be required. However, any required changes will be made during that phase and the calibration will be confirmed for the revised model.

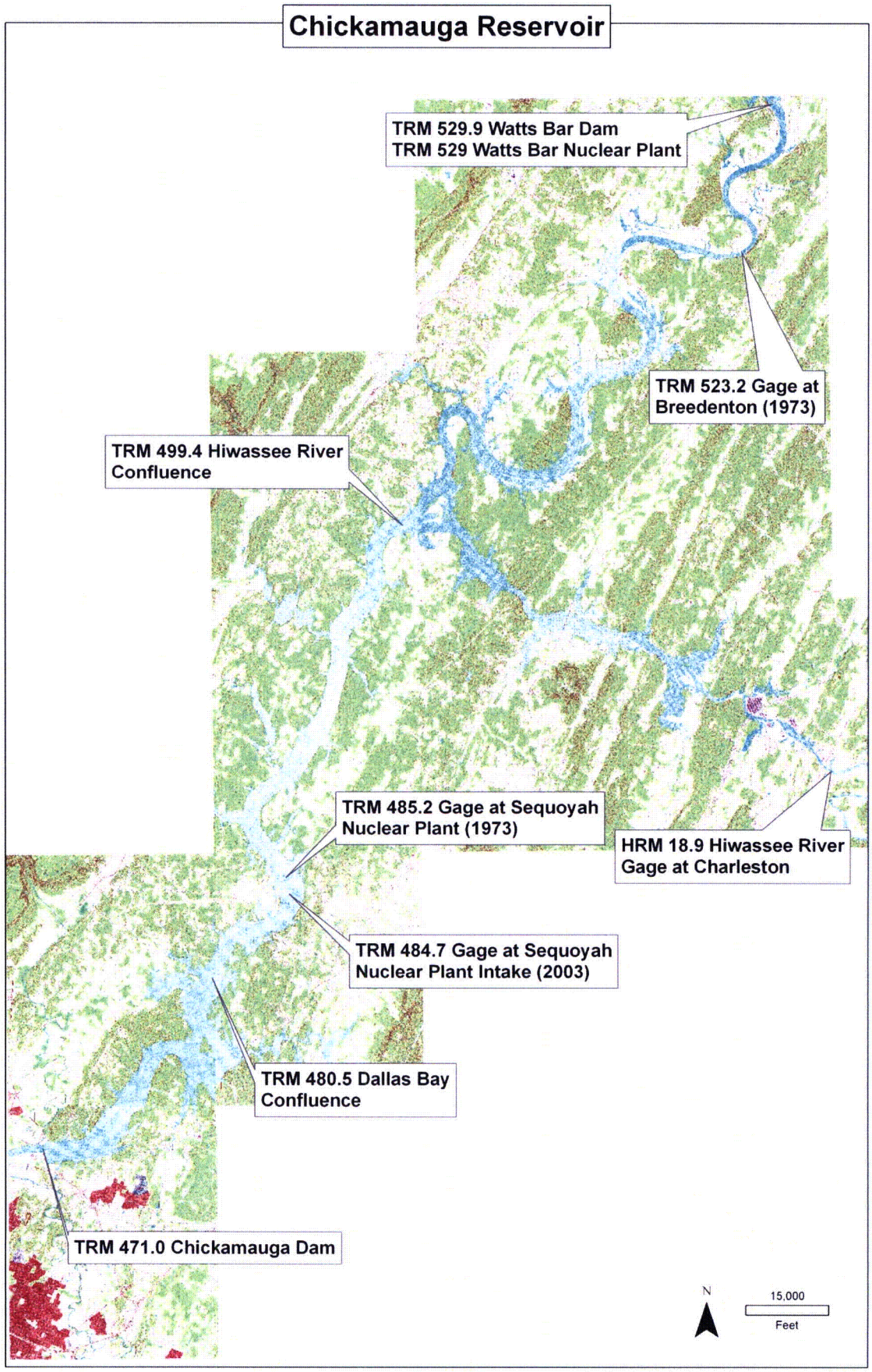
Chickamauga Reservoir
TRM 529.9 Watts Bar Dam
TRM 529 Watts Bar Nuclear Plant
TRM 523.2 Gage at Breedenton (1973)
TRM 499.4 Hiwassee River Confluence
TRM 485.2 Gage at Sequoyah Nuclear Plant (1973)
HRM 18.9 Hiwassee River Gage at Charleston
TRM 484.7 Gage at Sequoyah Nuclear Plant Intake (2003)
TRM 480.5 Dallas Bay Confluence
TRM 471.0 Chickamauga Dam
N
15,000
Feet

Figure 1.

2. References

2.1 *Drainage Areas for Streams in Tennessee River Basin*, Report No. 0-5829-R-2, Tennessee Valley Authority, Division of Water Control Planning, Hydraulic Data Branch, Knoxville, TN, March 1970.

2.2 "Bellefonte Nuclear Plant, White Paper –Hydrologic Analysis, Revision 1", Tennessee Valley Authority, July 25, 2008. (EDMS No. L58 081219 800) FOR INFORMATION ONLY

2.3 "Dam Rating Curves – Chickamauga" CDQ000020080006 Revision 0 (EDMS No. L58 090224 005)

2.4 "Dam Rating Curves – Watts Bar" CDQ000020080020 Revision 0 (EDMS No. L58 090224 002)

2.5 "Bellefonte Units 3 and 4 Hydrology Project Request for Information (RFI) Response Information Continuation Sheet," RFI Number BE21145140B018, Rev. 0. (EDMS No. L58 0902260801)

2.6 "SOCH Geometry Verification for Chickamauga Reservoir" CDQ000020080030 Revision 1

2.7 "Calculation of Initial Flood Flows from Subbasins 44B and 45, Local Inflows to Chickamauga Dam, for Use in the SOCH Model Calibration and Unit Hydrograph Validation, CDQ000020080064 Revision 1

2.8 *Flood Insurance Study, Bradley County, Tennessee, and Incorporated Areas*, Flood Insurance Study Number 47011CV000A, Federal Emergency Management Agency, February 2, 2007.

2.9 "Software Verification and Validation Report (SVVR) Simulated Open Channel Hydraulics (SOCH) Version 1.0" (EDMS No. L58 090528 004)

2.10 "User's Manual Simulated Open Channel Hydraulics (SOCH) Version 1.0", (EDMS No. L58 090528 002)

2.11 *HEC-RAS, River Analysis System Hydraulic Reference Manual*, Revision 3.1, Report No. CPD-69, U.S. Army Corps of Engineers Hydraulic Engineering Center, November 2002.

2.12 NUREG 0800, Standard Review Plan, Section 2.4.1

2.13 "Weighted Width (WWIDTH) Version 1.0 Conveyance (CONVEY) Version 1.0 User Manual." Revision 0 (EDMS No. L58 090213 001)

2.14 "Bellefonte Units 3 and 4 Hydrology Project Request for Information (RFI) Response Information Continuation Sheet," RFI Number BE21145140B018, Rev. 1. (EDMS No. L58 090609 800)

2.15 "SOCH Model Calibration, Guntersville" CDQ000020080041 Revision 1

2.16 "Bellefonte Units 3 and 4 Hydrology Project Request for Information (RFI) Response Information Continuation Sheet," RFI Number BE21145140B018, Rev. 2. (EDMS No. L58 090622 800)

2.17 "Bellefonte Units 3 and 4 Hydrology Project Request for Information (RFI) Response Information Continuation Sheet," RFI Number BE21145140B018, Rev. 3. (EDMS No. L58 090701 802)

3. Assumptions and Methodology

3.1 Assumptions

3.1.1 Assumption: Flow, elevation and date information used in this calculation are acceptable for use in the development of the TVA design basis PMF analysis.
Technical Justification: The flow, elevation and other input data were not obtained via a 10 CFR 50 Appendix B program; however they represent the best and most complete data set available. Based on the Acceptance Criteria Section of NUREG 800 Standard Review Plan (SRP) 2.4.1 (Reference 2.12), these data are expected to meet the requirements of an Appendix B program, excerpt follows:

"Data collected, maintained, and distributed by Federal and State agencies, such as USGS, NOAA, NRCS, USACE, and various State water resources departments, are adequate for safety evaluation of the plant."

TVA is the Federal agency responsible for flood control in watersheds of concern and minimal data are available from the other Federal agencies delineated in the SRP. Historical data from TVA records are used to calibrate the models to the 1973 and 2003 historical floods of record. TVA, NWS, and USGS were responsible for operating the majority of the gages in the Tennessee Valley at the time of these floods.

3.2 Unverified Assumptions - None

3.3 Methodology

The purpose of this calculation is to document the calibration process for the Chickamauga Reservoir portion of the SOCH model so that it can be reliably used to predict flood elevations and discharges for events of varying magnitudes and to validate the two distributed local unit hydrographs. An overview of the calibration process is depicted in Figure 2.

The objective of calibrating a model is to adjust model parameters so that the model will accurately replicate known historic events. The model will therefore be considered reliable to predict the outcome of events of other magnitudes. In the case of the SOCH model, the model results must accurately replicate observed elevations and discharges for known historic flood events. Because the model will ultimately be used to predict PMF flood levels, large recorded flood events should be used to calibrate the model. Two large flood events on record for Chickamauga Reservoir were the storms that occurred in March of 1973 and in May of 2003 (Reference 2.5). These two storms were used for SOCH model calibration.

The following describes the methodology of the calibration process in detail.

3.3.1 HEC-RAS Steady-State Calibration

A steady-state model of the reservoir was first developed using the U.S. Army Corps of Engineers Hydrologic Engineering Center's River Analysis System (HEC-RAS) version 3.1.3. A review performed of subsequent versions of HEC-RAS (up to the most recent version) did not identify any changes that would affect the results and conclusions developed in this calculation (Section 2.12 of Reference 2.9). The steady-flow data used initially to set up the HEC-RAS model for each historic flood was determined by using the recorded peak flows from Watts Bar Dam and Chickamauga Dam (Attachments 5 and 6) for the upstream and downstream flows, respectively. The flow distribution for the remaining cross sections was then estimated based on the portion of drainage area draining at a given cross section (Appendix C). The percent of total flow occurring at a cross-section corresponded directly to the percent of reservoir drainage area draining at that cross section. The downstream water surface elevations input as the Reach Boundary Conditions were the recorded peak elevations (Attachments 5 and 6).

The HEC-RAS model was then adjusted by varying the flow distribution and the Manning's *n* values, using good engineering judgment, to match the high-water marks for the 1973 and 2003 flood events at available river gage stations. The flow distribution was adjusted by changing the flow values to more accurately model the conditions in the reservoir at the time of the recorded flood. The purpose of adjusting the flow distribution was to account for local inflows, tributary inflows and operation of the dams during each recorded flood event, which were not directly modeled in the steady-state model. The Manning's *n* values were then adjusted beginning at the downstream end of the reservoir to refine the calibration and more closely match the high-water marks.

Additionally, a steady-state model of the Hiwassee River from the gage at River Mile 18.9 to the mouth was developed using HEC-RAS. The confluence of the Hiwassee River with the Tennessee River is at Tennessee River Mile 499.4. Observed flows and elevations for the 1973 and 2003 floods were not available for the Hiwassee River between the gage and the mouth. The HEC-RAS model of the Hiwassee River was set up to replicate the 1 Percent Annual Chance flood profile and the 0.2 Percent Annual Chance flood profile as published in the Bradley County, Tennessee Flood Insurance Study (FIS) (Reference 2.8).

The HEC-RAS model of the Hiwassee River was then calibrated to match the water-surface elevations of the 1 Percent Annual Chance flood event and the 0.2 Percent Annual Chance flood event.

After completion of the HEC-RAS steady-state calibration, the CONVEY program (Reference 2.13) was rerun to compute a new $R^{2/3}$ term and the SOCH geometry was rebuilt as described in Appendix B of Reference 2.6. HEC-RAS steady-state computations have been verified by an alternate method and documented in Appendix L of Reference 2.15.

3.3.2 HEC-RAS Steady-State Profiles

Following calibration of the model, HEC-RAS was run with uniform flow to produce steady-state water surface profiles of the Chickamauga Reservoir ranging from 100,000 cfs to 1,400,000 cfs in 100,000 cfs or 200,000 cfs increments. The 1,400,000 cfs profile is expected to be above the PMF level and was set as the upper bound of the calibration. The downstream boundary conditions were set at the level of the Chickamauga top of gates elevation, 685.44 ft, to account for reservoir pool until the flow increased to 500,000 cfs, the point at which the top of gates elevation intersects the dam rating curve which is at maximum spillway capacity at that level (Attachment 3, Chickamauga before construction of a new lock, pre-failure with Dallas Bay included). The boundary conditions then followed the dam rating curve.

Steady-state profiles of the Hiwassee River were produced by running HEC-RAS with uniform flow ranging from 50,000 cfs to 500,000 cfs. The 500,000 cfs profile is expected to be above the PMF level and was set as the upper bound of the calibration. The downstream boundary conditions were set at the water-surface elevation of the Tennessee River at River Mile 499.4 computed by running steady-state profiles of the Chickamauga Reservoir, as described above, and interpolating the water-surface elevation at River Mile 499.4.

3.3.3 SOCH Steady-State Calibration

Calibration of the SOCH model is accomplished by adjusting the Manning's *n* value as described in Section 2.4 of Reference 2.10. In SOCH, the Manning's *n* value is based on vertical segments of the cross-sections. Once the geometry file is built for the SOCH model, the Manning's *n* value is the parameter adjusted in the calibration phase. During this phase other adjustments to the cross sections, cross section spacing, and effective flow areas may be identified. To determine the Manning's *n* values, the SOCH model of Chickamauga Reservoir was run under steady-state conditions and compared to the steady-state profiles from HEC-RAS. The downstream boundary conditions were set at the level of the Chickamauga top of gates elevation, 685.44 ft, to account for reservoir pool until the flow increased to 500,000 cfs, the point at which the top of gates elevation intersects the dam rating curve which is at maximum spillway capacity at that level (Attachment 3, Chickamauga before construction of a new lock, pre-failure with Dallas Bay included). The boundary conditions then followed the dam rating curve. The Manning's *n* values were adjusted so that the SOCH steady-state profiles coincided with the HEC-RAS steady-state profiles in the range of the PMF, 1,000,000 cfs to 1,400,000 cfs. Because the calibration approach was to match the profiles at the PMF level, the lower flow profiles did not match as closely as the 1,000,000 cfs profile. Several iterations of Manning's *n* value were run to achieve calibration. These iterations are not shown in this calculation; only the final Manning's *n* values are shown. The Manning's *n* values were then combined in the SOCH input file to evaluate the calibrations against the historic floods.

The SOCH model of the Hiwassee River was run under steady-state conditions and compared to the steady-state profiles from HEC-RAS. The downstream boundary conditions were set at the water-surface elevation of the Tennessee River at River Mile 499.4 computed by running the steady-state profiles of the Chickamauga Reservoir, as described in Section 3.3.2. The Manning's *n* values were adjusted so that the SOCH steady-state profiles coincided with the HEC-RAS steady-state profiles. Several iterations of Manning's *n* value were run to achieve calibration. These iterations are not shown in this calculation; only the final Manning's *n* values are shown. The Manning's *n* values were then combined in the SOCH input file to evaluate the calibrations against the historic floods.

3.3.4 SOCH Unsteady-State Historic Flood Events

The calibrated SOCH model of Chickamauga Reservoir and the Hiwassee River, with the revised Manning's *n* values, and the Dallas Bay portion were combined into a single model, run under unsteady-flow conditions, and compared to the 1973 and 2003 flood events. The model was configured with 5 channels as depicted in Figure 3. During this phase adjustments to the Dallas Bay cross sections and Manning's *n* values were identified and made. Because the Tennessee River system comprises a series of dams and reservoirs with short riverine reaches, and typical storm durations are short, steady-state flow is not achieved in the reservoirs and unsteady-flow is the appropriate method of modeling the system.

Recorded Watts Bar discharges (Attachments 5 and 6) were used as the upstream flow (upstream boundary condition) and recorded Chickamauga elevations (Attachments 5 and 6) were used as the downstream boundary condition. Flows calculated from a rating curve and recorded elevations at the Hiwassee River gage at Charleston, Hiwassee River Mile 18.9, were used as the upstream flows in the Hiwassee River. The local inflow hydrographs (Subbasins 44B and 45) were input to account for local inflows (developed from unit hydrographs, Reference 2.7). Calculated flood elevations were compared to the observed elevations at gage stations (four gage locations for the 1973 flood and three gage locations for the 2003 flood) and calculated flow from SOCH was compared to the observed flow at Chickamauga Dam (Attachments 5 and 6). The model reproduced the historic floods with good agreement at the gage locations for the two historic events so the calibration was considered complete.

After completion of the calibration, the annotation in the SOCH geometry files was updated to include the final Manning's *n* values for the SOCH model. These geometry files were then considered the final SOCH geometry files for Chickamauga Reservoir, Hiwassee River, and Dallas Bay.

3.3.5 Validation of Local Inflows Developed from Unit Hydrographs (Basins 44B and 45)

The local inflows to Chickamauga Reservoir from basin 45 and to the Hiwassee River from basin 44B were combined with the observed data (Watts Bar observed discharge and tailwater elevation, Chickamauga observed discharge and headwater elevation, and the Hiwassee River observed discharge) for the flood events and reproduced the observed elevations at gage locations along the reservoir. As a result the unit hydrographs developed for basins 44B and 45 (Reference 2.7) were validated and are adequate for use in developing flood inflows for other events including the PMF.

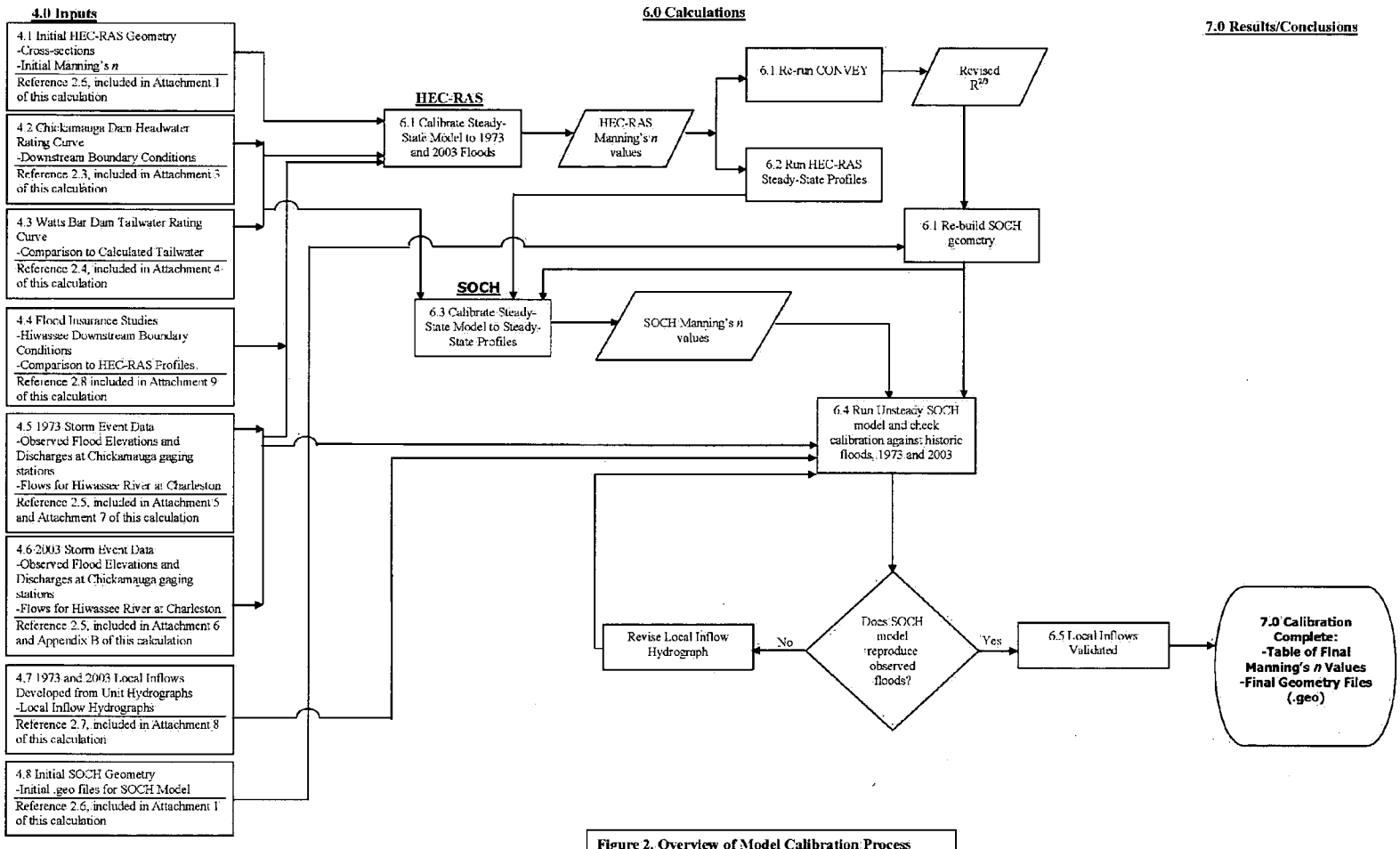

Figure 2. Overview of Model Calibration Process

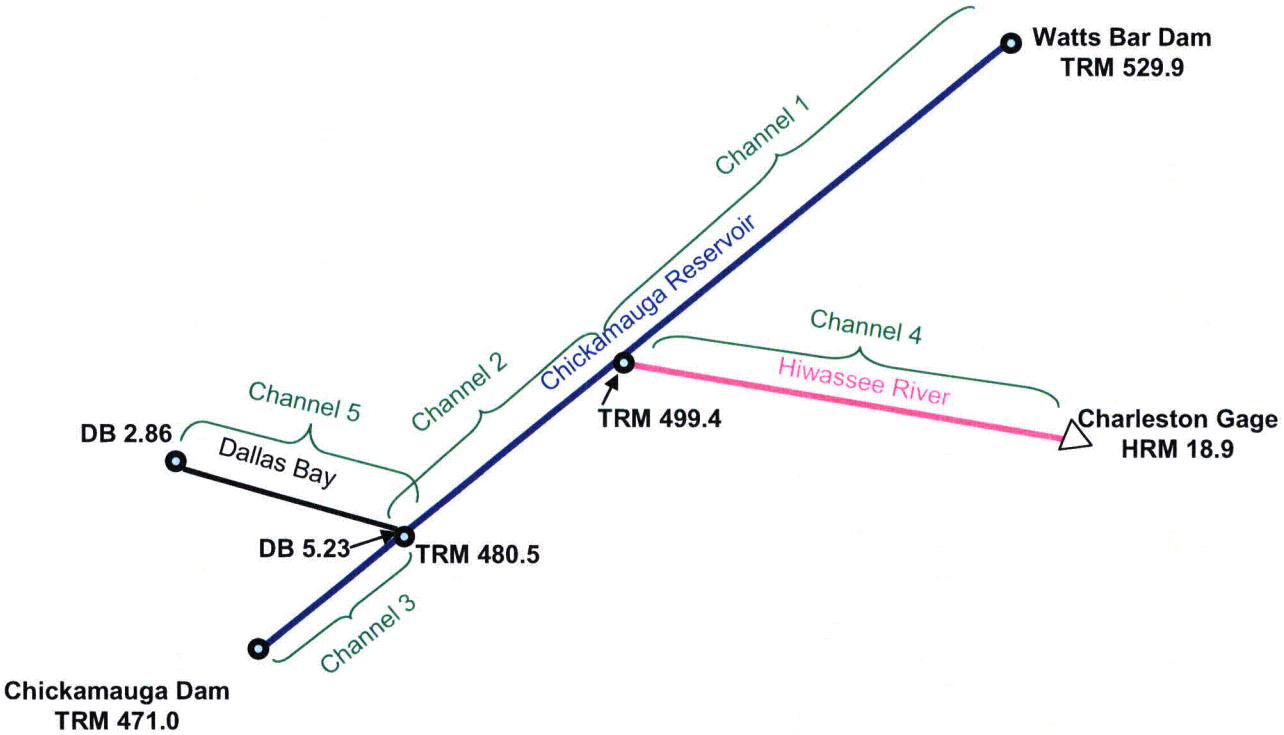

Figure 3. Chickamauga SOCH Model Configuration

4. Design Input

4.0 Input data included in appendices, attachments and references.

Sect.	Input Parameter	Source	Location	Description
4.1	Initial HEC-RAS Geometry	Reference 2.6	Attachment 1 of this calculation	Initial HEC-RAS geometry was provided in the "SOCH Geometry Verification for Chickamauga Reservoir" calculation and used in the HEC-RAS steady-state model.
4.2	Chickamauga Dam Headwater Rating Curve	Reference 2.3	Attachment 3 of this calculation	The dam rating curve was provided in the "Dam Rating Curves-Chickamauga" calculation and was the curve for Chickamauga before construction of a new lock, pre embankment failure, and with Dallas Bay included. It was used to establish boundary conditions in the HEC-RAS and SOCH steady-state models.
4.3	Watts Bar Dam Tailwater Rating Curve	Reference 2.4	Attachment 4 of this calculation	The tailwater rating curve was provided in the "Dam Rating Curves – Watts Bar" calculation and was used to compare results of the HEC-RAS and SOCH steady-state models.
4.4	Flood Insurance Studies	Reference 2.8	Attachment 9 of this calculation	The 0.2 Percent and 1 Percent Annual Chance profiles published in the Flood Insurance Study were used to calibrate the HEC-RAS steady-state model of the Hiwassee River.
4.5	1973 Storm Event Data			
	4.5.1 Elevations and Discharges at Gaging Stations in Chickamauga Reservoir	Reference 2.5	Attachment 5 of this calculation	The Chickamauga Reservoir 1973 flood observed elevations and discharges were used as boundary conditions in the HEC-RAS and SOCH models and used to compare the SOCH model results.
	4.5.2 Flows for Hiwassee River at Charleston	Reference 2.5	Attachment 7 of this calculation	The 1973 observed flows in the Hiwassee River at Hiwassee River Mile 18.9 were determined from previous computations. They were used as the inflow to the SOCH model.
4.6	2003 Storm Event Data			
	4.6.1 Elevations and Discharges for Gaging Stations in Chickamauga Reservoir	Reference 2.5	Attachment 6 of this calculation	The Chickamauga Reservoir 2003 flood observed elevations were used as boundary conditions in the HEC-RAS and SOCH models and used to compare the SOCH model results.
	4.6.2 Flows for Hiwassee River at Charleston	Reference 2.5	Appendix B of this calculation	The 2003 observed flows in the Hiwassee River at Hiwassee River Mile 18.9 were calculated by applying a rating curve to the recorded elevations at the gage. They were used as the inflow to the SOCH model.

Sect.	Input Parameter	Source	Location	Description
4.7	1973 and 2003 Local Inflows Developed from Unit Hydrographs	Reference 2.7	Attachment 8 of this calculation	The local inflows for basins 44B and 45 were provided as part of the "Calculation of Initial Flood Flows from Subbasins 44B and 45, Local Inflows to Chickamauga Dam, for Use in the SOCH Model Calibration and Unit Hydrograph Validation" calculation and were used as local inflows in the SOCH model and to validate the unit hydrographs.
4.8	Initial SOCH Geometry	Reference 2.6	Attachment 1 of this calculation	The initial SOCH geometry files for Chickamauga Reservoir, Hiwassee River and Dallas Bay were provided in the "SOCH Geometry Verification for Chickamauga Reservoir" calculation and used in the SOCH model.

5. Special Requirements/Limiting Conditions

N/A

6. Calculations

6.1 HEC-RAS Steady-State Calibration

A steady-state HEC-RAS model was set up for the Chickamauga Reservoir using the initial HEC-RAS geometry and the initial Manning's *n* values provided in Section 7.2 of Reference 2.6. The flow profiles used in the HEC-RAS model for each historic flood were initially determined by using peak flows from Watts Bar Dam and Chickamauga Dam for the upstream and downstream flows, respectively (Attachments 5 and 6). The flow distribution profile for the remaining cross-sections was then estimated to account for local inflow based on the portion of drainage area draining at a given cross-section (Appendix C). The percent of total flow occurring at a cross-section corresponded directly to the percent of reservoir drainage area draining at that cross section. The Reach Boundary Conditions were set as the recorded peak elevations of the downstream water surface at Chickamauga Dam (Table 1). The HEC-RAS model was then calibrated by adjusting Manning's *n* values beginning from the downstream cross-section and working upstream to match the profile to high-water marks from the 1973 flood. This model was then used to compare to high-water marks from the 2003 flood. Several iterations of adjusting Manning's *n* values were run to achieve calibration. These iterations are not shown in this calculation; only the last iteration is shown. The last iteration of Manning's *n* values is shown in Table 2 and the last iteration of the flow distribution is shown in Table 3.

Table 1. Reach Boundary Conditions at Chickamauga Dam for Historic Floods in HEC-RAS Steady-State Model

Boundary	1973 Flood Event	2003 Flood Event
Flow (cfs)	230,800	224,555
Water Surface Elevation (ft)	686.10	687.13

Table 2. Chickamauga Reservoir Initial Manning's *n* Values and Calibrated Manning's *n* Values in HEC-RAS Steady-State Model

Tennessee River Mile	Initial Manning's *n* Reference 2.6	Calibrated Manning's *n*
529.90	0.021	0.026
527.80	0.026	0.026
525.69	0.020	0.026
523.59	0.019	0.026
521.49	0.050	0.026
519.38	0.018	0.026
517.28	0.025	0.026
515.18	0.030	0.026
513.07	0.021	0.026
510.97	0.040	0.026
508.86	0.021	0.022
506.70	0.036	0.022
504.66	0.017	0.022
502.55	0.022	0.022
500.45	0.019	0.022

Tennessee River Mile	Initial Manning's *n* Reference 2.6	Calibrated Manning's *n*
498.35	0.023	0.022
496.24	0.024	0.022
494.11	0.024	0.022
492.04	0.028	0.022
489.93	0.023	0.022
487.83	0.028	0.026
485.94	0.028	0.026
483.62	0.015	0.026
481.52	0.017	0.026
478.78	0.022	0.026
477.04	0.016	0.026
475.21	0.034	0.026
473.10	0.028	0.026
471.00	0.031	0.026

Table 3. Flow Distribution for Historic Floods in HEC-RAS Steady-State Model

Tennessee River Mile	1973 Flood Event	2003 Flood Event
	Flow (cfs)	Flow (cfs)
529.90	186,000	153,116
527.80	186,102	153,279
525.69	186,205	153,442
523.59	187,465	155,452
521.49	188,090	156,448
519.38	188,285	156,760
517.28	188,480	157,070
515.18	188,674	157,381
513.07	188,870	157,693
510.97	189,065	158,003
508.86	189,165	158,163
506.70	189,253	158,304
504.66	189,337	158,436
502.55	190,441	160,198
500.45	190,570	160,404

Tennessee River Mile	1973 Flood Event	2003 Flood Event
	Flow (cfs)	Flow (cfs)
498.35	225,522	216,138
496.24	225,522	216,138
494.11	225,739	216,484
492.04	226,500	217,698
489.93	227,276	218,936
487.83	227,921	219,963
485.94	228,637	221,106
483.62	229,036	221,742
481.52	229,128	221,888
478.78	229,247	222,079
477.04	229,604	222,649
475.21	230,014	223,302
473.10	230,487	224,055
471.00	230,800	224,555

Additionally, a steady-state model of the Hiwassee River from the gage at River Mile 18.9 to the mouth was developed in HEC-RAS using the initial HEC-RAS geometry and the initial Manning's *n* values provided in Section 7.2 of Reference 2.6. The confluence of the Hiwassee River with the Tennessee River is at Tennessee River Mile 499.4. Observed flows and elevations for the 1973 and 2003 floods were not available for the Hiwassee River between the gage and the mouth. The HEC-RAS model of the Hiwassee River was initially set up to replicate the 1 Percent Annual Chance flood profile and the 0.2 Percent Annual Chance flood profile as published in the Bradley County, Tennessee Flood Insurance Study (FIS) (Attachment 9). The Reach Boundary Conditions were those used for the FIS and are shown in Table 4.

The HEC-RAS model of the Hiwassee River was then calibrated to match the water-surface elevations of the 1 Percent Annual Chance and the 0.2 Percent Annual Chance floods. The final Manning's *n* values are shown in Table 5 and the flows are shown in Table 6.

Table 4. Reach Boundary Conditions at Hiwassee River Mile 1.73 for the 1 Percent and 0.2 Percent Annual Chance Flood in HEC-RAS Steady-State Model

Boundary	1 Percent Annual Chance Flood Event	0.2 Percent Annual Chance Flood Event
Flow (cfs)	75,000	95,000
Water Surface Elevation (ft)	685.00	685.00

Table 5. Hiwassee River Initial Manning's *n* Values and Calibrated Manning's *n* Values in HEC-RAS Steady-State Model

Hiwassee River Mile	Initial Manning's *n* Reference 2.6	Calibrated Manning's *n*
18.90	0.034	0.034
18.22	0.034	0.034
17.54	0.034	0.034
16.74	0.034	0.034
15.95	0.034	0.034
15.31	0.034	0.034
14.64	0.034	0.034
13.67	0.034	0.034
10.78	0.034	0.034
9.33	0.034	0.034

Hiwassee River Mile	Initial Manning's *n* Reference 2.6	Calibrated Manning's *n*
8.20	0.034	0.034
7.36	0.034	0.034
6.30	0.034	0.034
5.55	0.034	0.034
4.71	0.034	0.034
3.75	0.034	0.034
3.08	0.034	0.034
2.34	0.034	0.034
1.73	0.034	0.034

Table 6. Hiwassee River Flow Distribution for 0.2 Percent and 1 Percent Annual Chance Floods in HEC-RAS Steady-State Model

Tennessee River Mile	1 Percent Annual Chance Flood Event Flow (cfs)	0.2 Percent Annual Chance Flood Event Flow (cfs)
18.90	70,350	93,100
18.22	70,384	93,114
17.54	70,451	93,141
15.31	71,192	93,444
13.67	72,843	94,119
9.33	75,000	95,000
7.36	75,000	95,000
1.73	75,000	95,000

After the steady-state HEC-RAS model was calibrated, the CONVEY Version 1.0 program was rerun to compute revised $R^{2/3}$ values and the SOCH geometry file was rebuilt as described in Appendix B of Reference 2.6.

6.1.1 HEC-RAS Steady-State Chickamauga Reservoir for 1973 Storm

The HEC-RAS profile of Chickamauga Reservoir for the 1973 flood was calibrated to observed flood marks for the March 1973 flood event to within 0.5 feet of the flood marks at all gage locations. The HEC-RAS profile and observed flood marks are shown in Figure 4 and tabulated in Table 7.

6.1.2 HEC-RAS Steady-State Chickamauga Reservoir for 2003 Storm

The HEC-RAS profile of Chickamauga Reservoir for the 2003 flood was compared to the observed flood marks for the May 2003 flood event and was within 0.5 feet of the flood marks at the gage at River Mile 484.70 and was conservatively above the observed elevations at River Mile 529.9. The HEC-RAS profile and observed flood marks are shown in Figure 5 and tabulated in Table 8.

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Calculation No. CDQ000020080039	Rev: 0	Plant: GEN	Page: 28
Subject: SOCH Model Calibration, Chickamauga		Prepped	JTS
		Checked	WBB

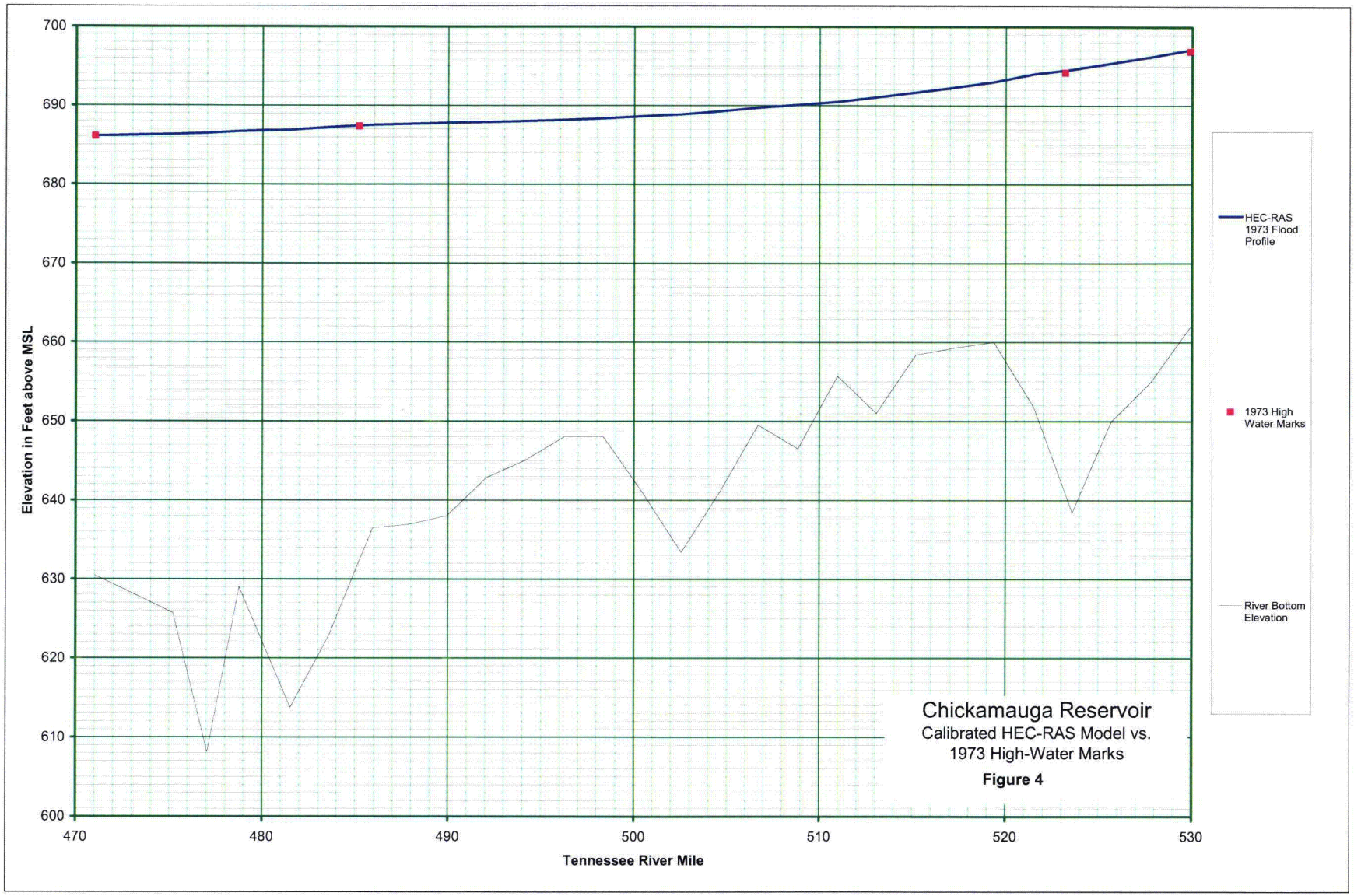
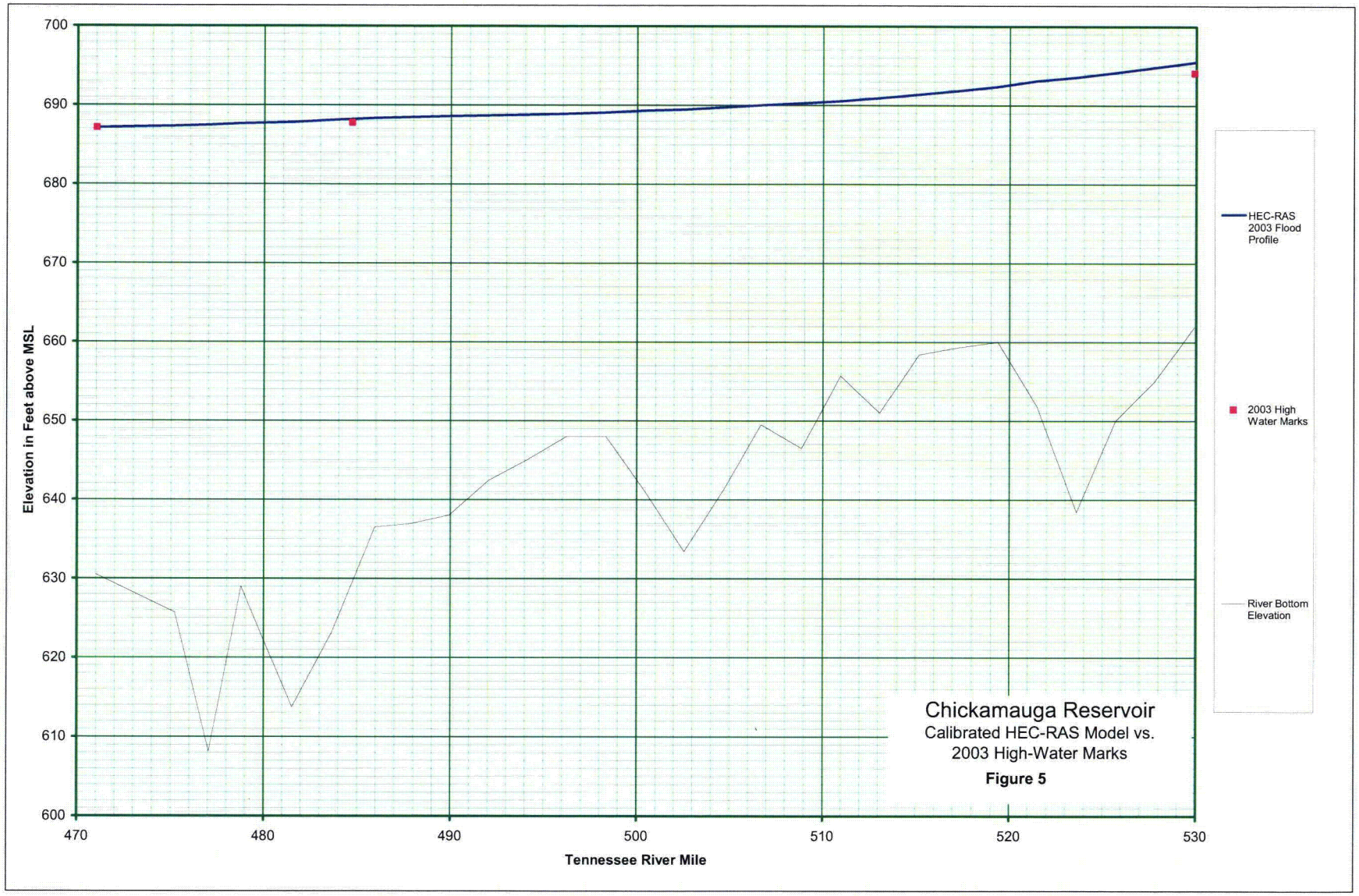


Table 7. Chickamauga Reservoir, Calibrated HEC-RAS Model vs. 1973 High-Water Marks

Tennessee River Mile	HEC-RAS 1973 Flood Profile	1973 High-Water Marks[1]	River Bottom Elevation	Manning's *n*
	Elevation (ft)	Elevation (ft)	Elevation (ft)	
529.90	697.10	696.90	661.90	0.026
527.80	696.24		655.00	0.026
525.69	695.41		650.00	0.026
523.59	694.62		638.40	0.026
523.20	694.51[2]	694.22	640.89[2]	0.026
521.49	694.03		651.80	0.026
519.38	693.03		660.00	0.026
517.28	692.33		659.30	0.026
515.18	691.70		658.40	0.026
513.07	691.06		651.00	0.026
510.97	690.48		655.70	0.022
508.86	690.09		646.50	0.022
506.70	689.74		649.50	0.022
504.66	689.29		641.20	0.022
502.55	688.89		633.40	0.022
500.45	688.65		641.00	0.022
498.35	688.37		648.00	0.022
496.24	688.19		648.00	0.022
494.11	688.02		645.00	0.022
492.04	687.90		642.80	0.022
489.93	687.80		638.00	0.026
487.83	687.66		636.90	0.026
485.94	687.52		636.50	0.026
485.20	687.43[2]	687.37	628.80[2]	0.026
483.62	687.25		623.00	0.026
481.52	686.90		613.70	0.026
478.78	686.72		629.00	0.026
477.04	686.49		608.10	0.026
475.21	686.32		625.70	0.026
473.10	686.22		628.10	0.026
471.00	686.10	686.10	630.50	0.026

1. High-Water Marks determined from Attachment 5, 2. Interpolated



Chickamauga Reservoir
Calibrated HEC-RAS Model vs. 2003 High-Water Marks
Figure 5

Table 8. Chickamauga Reservoir, Calibrated HEC-RAS Model vs. 2003 High-Water Marks

Tennessee River Mile	HEC-RAS 2003 Flood Profile	2003 High-Water Marks[1]	River Bottom Elevation	Manning's *n*
	Elevation (ft)	Elevation (ft)	Elevation (ft)	
529.90	695.50	694.13	661.90	0.026
527.80	694.82		655.00	0.026
525.69	694.18		650.00	0.026
523.59	693.58		638.40	0.026
521.49	693.13		651.80	0.026
519.38	692.38		660.00	0.026
517.28	691.85		659.30	0.026
515.18	691.39		658.40	0.026
513.07	690.94		651.00	0.026
510.97	690.53		655.70	0.026
508.86	690.26		646.50	0.022
506.70	690.02		649.50	0.022
504.66	689.73		641.20	0.022
502.55	689.46		633.40	0.022
500.45	689.31		641.00	0.022
498.35	689.06		648.00	0.022
496.24	688.91		648.00	0.022
494.11	688.77		645.00	0.022
492.04	688.67		642.80	0.022
489.93	688.58		638.00	0.022
487.83	688.47		636.90	0.026
485.94	688.35		636.50	0.026
484.70	688.22[2]	687.79	629.28[2]	0.026
483.62	688.10		623.00	0.026
481.52	687.81		613.70	0.026
478.78	687.65		629.00	0.026
477.04	687.46		608.10	0.026
475.21	687.32		625.70	0.026
473.10	687.23		628.10	0.026
471.00	687.13	687.13	630.50	0.026

1. High-Water Marks determined from Attachment 6, 2. Interpolated

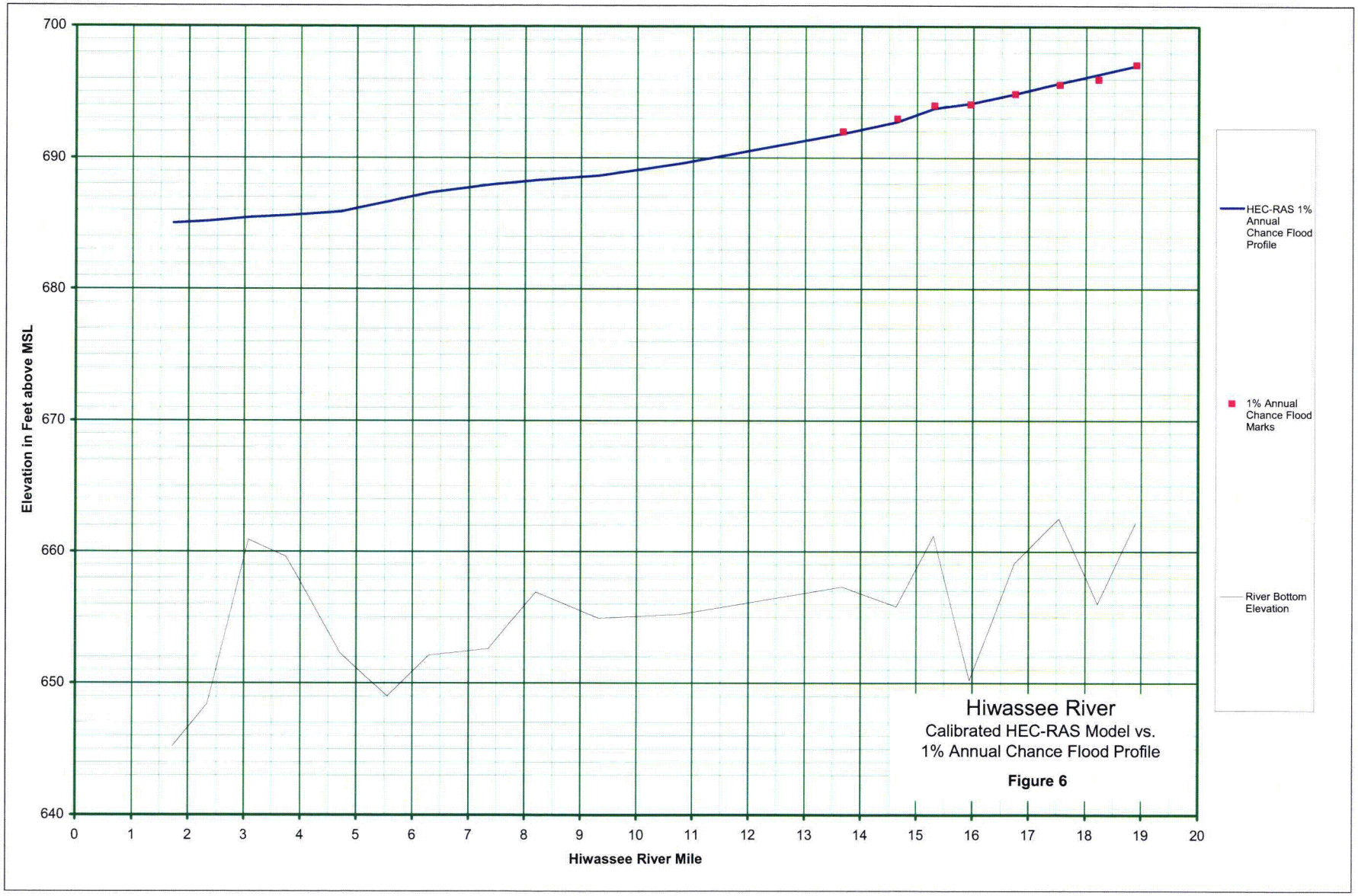
6.1.3 HEC-RAS Hiwassee River - 1Percent Annual Chance Flood

The HEC-RAS profile of the Hiwassee River for the 1 Percent Annual Chance flood was calibrated to the published elevations (where available) to less than one foot of the published elevations at all locations. The HEC-RAS profile and published elevations are shown in Figure 6 and tabulated in Table 9.

Table 9. Hiwassee River, Calibrated HEC-RAS Model vs. 1 Percent Annual Chance Flood Elevations

Hiwassee River Mile	HEC-RAS 1 Percent Annual Chance Flood Profile	1 Percent Annual Chance Flood Elevations[1,2]	River Bottom Elevation	Manning's *n*
	Elevation (ft)	Elevation (ft)	Elevation (ft)	
18.90	697.03	697.10	662.20	0.034
18.22	696.36	696.20	656.00	0.034
17.54	695.70	695.60	662.50	0.034
16.74	694.88	694.90	659.10	0.034
15.95	694.13	694.10	650.20	0.034
15.31	693.76	693.90	661.20	0.034
14.64	692.73	693.00	655.80	0.034
13.67	691.83	692.00	657.30	0.034
10.78	689.56		655.20	0.034
9.33	688.64		654.90	0.034
8.20	688.29		656.90	0.034
7.36	687.94		652.60	0.034
6.30	687.33		652.10	0.034
5.55	686.66		649.00	0.034
4.71	685.87		652.30	0.034
3.75	685.58		659.60	0.034
3.08	685.44		660.90	0.034
2.34	685.15		648.40	0.034
1.73	685.00		645.20	0.034

1. Flood Elevations determined from Attachment 9
2. Published profile data is not available between HRM 1.73 and 13.67 (Bradley County, Attachment 9)


Hiwassee River
Calibrated HEC-RAS Model vs.
1% Annual Chance Flood Profile
Figure 6
Elevation in Feet above MSL
Hiwassee River Mile
700
690
680
670
660
650
640
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
HEC-RAS 1% Annual Chance Flood Profile
1% Annual Chance Flood Marks
River Bottom Elevation

6.1.4 HEC-RAS Hiwassee River - 0.2 Percent Annual Chance Flood

The HEC-RAS profile of the Hiwassee River for the 0.2 Percent Annual Chance flood was calibrated to the published elevations (where available) to less than one foot of the published elevations at all locations. The HEC-RAS profile and published elevations are shown in Figure 7 and tabulated in Table 10.

Table 10. Hiwassee River, Calibrated HEC-RAS Model vs. 0.2 Percent Annual Chance Flood Elevations

Hiwassee River Mile	HEC-RAS 0.2 Percent Annual Chance Flood Profile	0.2 Percent Annual Chance Flood Elevations[1,2]	River Bottom Elevation	Manning's *n*
	Elevation (ft)	Elevation (ft)	Elevation (ft)	
18.90	700.54	700.40	662.20	0.034
18.22	699.67	699.10	656.00	0.034
17.54	698.84	698.30	662.50	0.034
16.74	697.80	697.30	659.10	0.034
15.95	696.90	696.30	650.20	0.034
15.31	696.50	695.70	661.20	0.034
14.64	695.13	695.00	655.80	0.034
13.67	693.99	693.90	657.30	0.034
10.78	691.11		655.20	0.034
9.33	690.02		654.90	0.034
8.20	689.61		656.90	0.034
7.36	689.16		652.60	0.034
6.30	688.39		652.10	0.034
5.55	687.46		649.00	0.034
4.71	686.32		652.30	0.034
3.75	685.90		659.60	0.034
3.08	685.69		660.90	0.034
2.34	685.24		648.40	0.034
1.73	685.00		645.20	0.034

1. Flood Elevations determined from Attachment 9
2. Published profile data is not available between HRM 1.73 and 13.67 (Bradley County, Attachment 9)

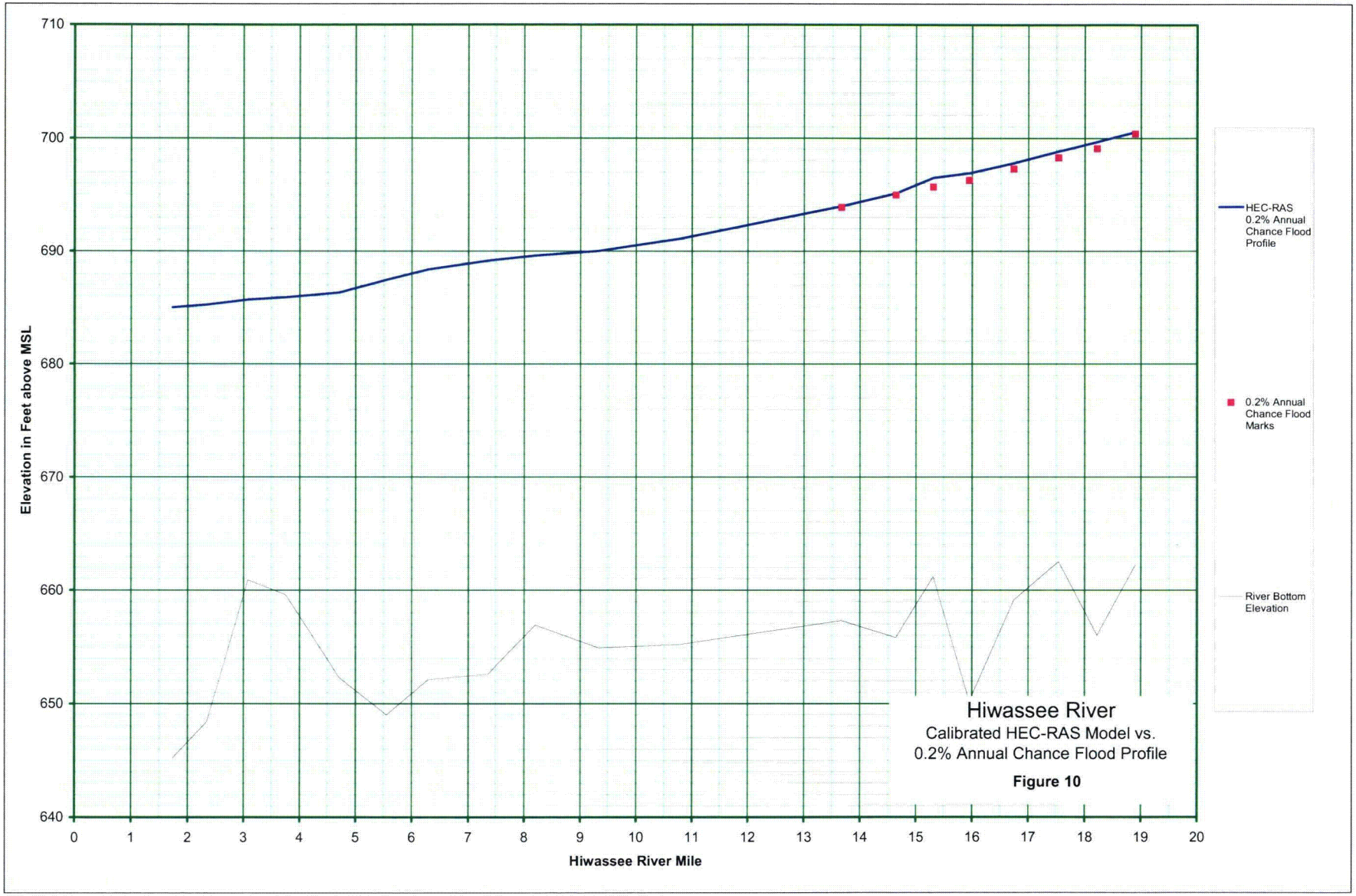

710
700
690
680
670
660
650
640
Elevation in Feet above MSL
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
Hiwassee River Mile
HEC-RAS 0.2% Annual Chance Flood Profile
0.2% Annual Chance Flood Marks
River Bottom Elevation
Hiwassee River
Calibrated HEC-RAS Model vs.
0.2% Annual Chance Flood Profile

Figure 10

6.2 HEC-RAS Steady-State Profiles

The calibrated HEC-RAS model of the Chickamauga Reservoir was then run to produce steady-state water surface profiles ranging from 100,000 cfs to 1,400,000 cfs. The 1,400,000 cfs profile is expected to be above the PMF level and was set as the upper bound of the calibration. Uniform, steady-flow was specified in 100,000 cfs or 200,000 cfs increments so no local inflows were used. The downstream boundary conditions, Table 11, were set at the level of the Chickamauga top of gates elevation, 685.44 ft, to account for reservoir pool until the flow increased to 500,000 cfs, the point at which the top of gates elevation intersects the dam rating curve which is at maximum spillway capacity at that level (Attachment 3, Chickamauga before construction of a new lock, pre-failure with Dallas Bay included). The boundary conditions then followed the dam rating curve.

Table 11. Reach Boundary Conditions at Chickamauga Dam for Steady-State Profiles

Flow (cfs)	Elevation (ft)
100,000	685.44
200,000	685.44
300,000	685.44
400,000	685.44
600,000	690.00
800,000	700.00
1,000,000	708.80
1,100,000	712.40
1,200,000	715.80
1,300,000	719.00
1,400,000	722.50

Steady-state profiles of the Hiwassee River were produced by running HEC-RAS with uniform flow ranging from 50,000 cfs to 500,000 cfs. The 500,000 cfs profile is expected to be above the PMF level and was set as the upper bound of the calibration. Uniform, steady-flow was specified so no local inflows were used.

To develop an estimate of the starting elevation for higher steady-state flows on the Hiwassee River, a ratio of the flow in the Tennessee River at River Mile 499.4 to the downstream flow in the Hiwassee River was determined to be three to one (Table 12). This ratio was then used to develop a rating curve as shown in Table 13. Steady-state profiles of the Tennessee River in Chickamauga Reservoir were then run and the starting water-surface elevations at River Mile 499.4 were interpolated for selected steady flows on the Hiwassee River (Table 14).

Table 12. Comparison of 1 Percent and 0.2 Percent Annual Chance Flows in Tennessee River and Hiwassee River

River	1 Percent Annual Chance Flood Event	0.2 Percent Annual Chance Flood Event
	Flow (cfs)	Flow (cfs)
Tennessee River at RM 499.4	223,187	290,455
Hiwassee River at RM 1.73	75,000	95,000
Ratio Tennessee:Hiwassee	**3:1**	**3:1**

Table 13. Ratio of Tennessee River Flow to Hiwassee River Flow

Tennessee River Flow (cfs)	Hiwassee River Flow (cfs)
147,000	50,000
235,000	80,000
265,000	90,000
294,000	100,000
588,000	200,000
882,000	300,000
1,176,000	400,000
1,471,000	500,000

Table 14. Reach Boundary Conditions at Hiwassee River Mile 1.73 for Steady-State Profiles

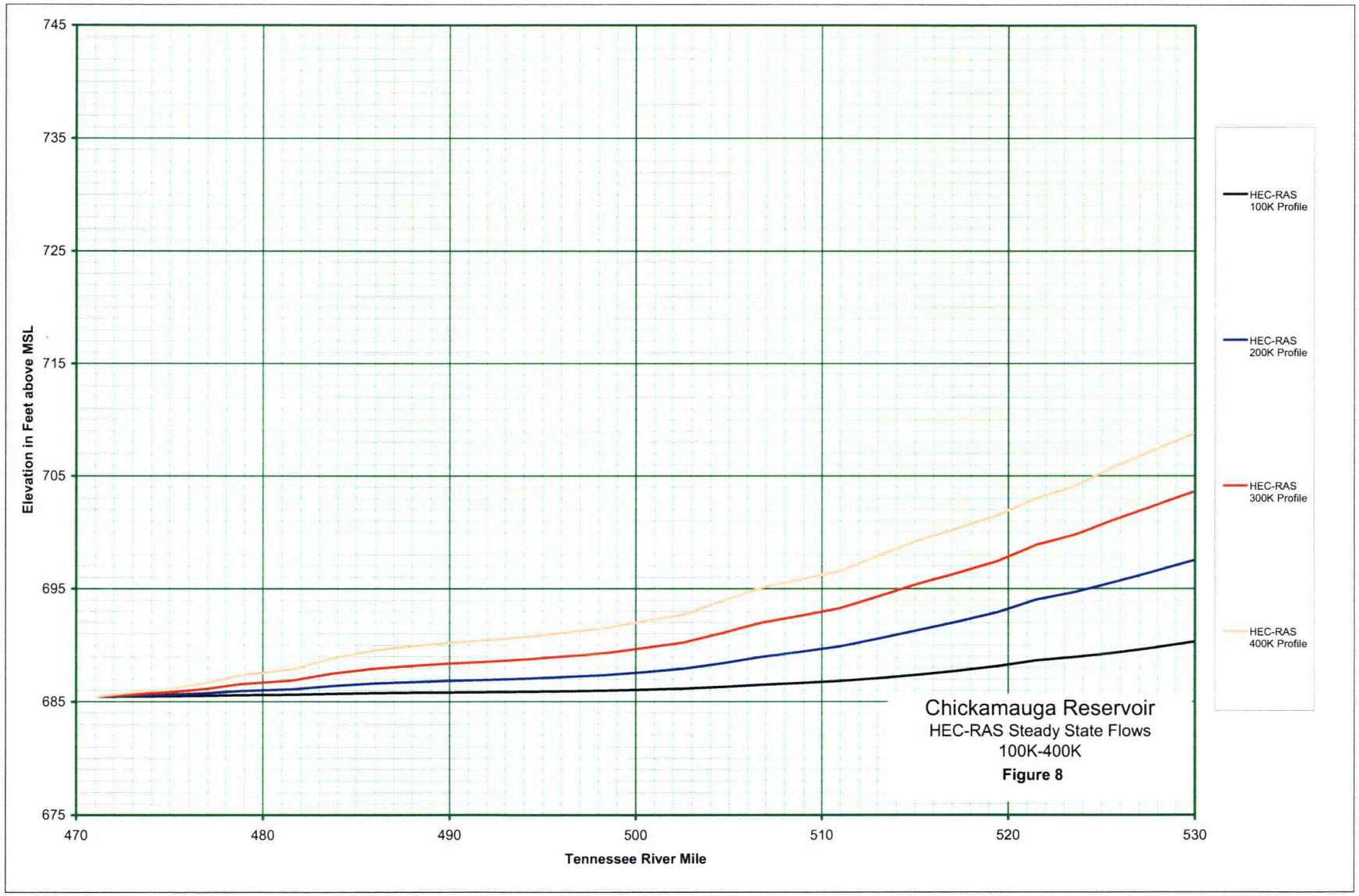
Flow (cfs)	Elevation (ft)
50,000	686.60
80,000	688.15
90,000	688.77
100,000	689.39
200,000	697.79
300,000	710.57
400,000	721.62
500,000	731.12

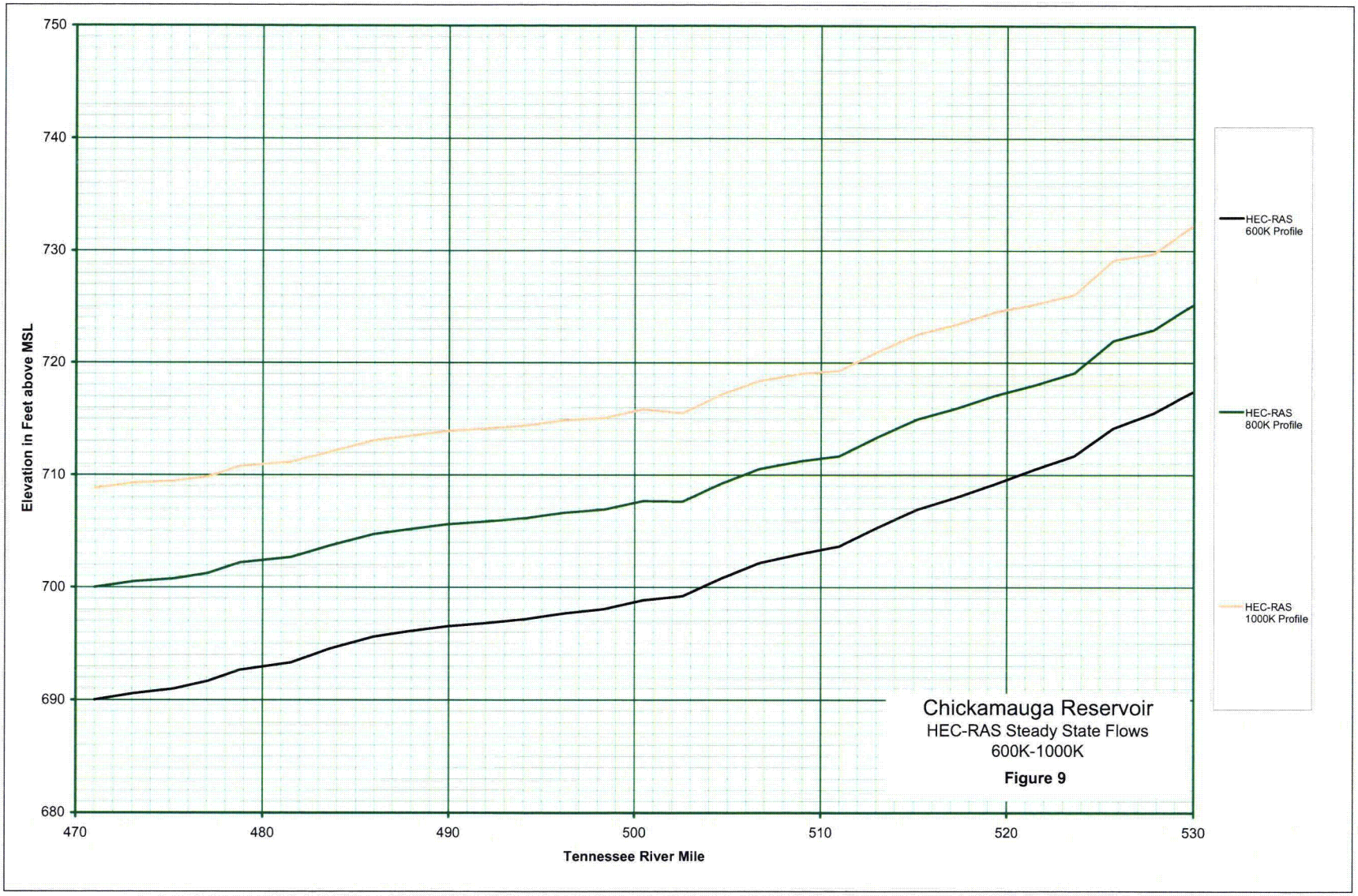
6.2.1 HEC-RAS Steady-State Profiles of Chickamauga Reservoir in 100K Increments

The calibrated HEC-RAS model of Chickamauga Reservoir was run in flow increments of 100,000 cfs or 200,000 cfs up to 1,400,000 cfs. The 1,400,000 cfs profile is expected to be above the PMF level and was set as the upper bound of the calibration. The steady-state profiles are shown in Figures 8-10 and tabulated in Tables 15 and 16. Figure 11 and Table 17 show the elevations of the HEC-RAS steady-state profiles at Watts Bar Dam, RM 529.9, compared to the tailwater rating curve for Watts Bar Dam (Attachment 4).

6.2.2 HEC-RAS Steady-State Profiles of the Hiwassee River in 100K Increments

The calibrated HEC-RAS model of the Hiwassee River was run in flow increments of 50,000 cfs up to 500,000 cfs. The 500,000 cfs profile is expected to be above the PMF level and was set as the upper bound of the calibration. The steady-state profiles are shown in Figure 12 and tabulated in Table 18.


745
735
725
715
705
695
685
675
Elevation in Feet above MSL
470
480
490
500
510
520
530
Tennessee River Mile
HEC-RAS 100K Profile
HEC-RAS 200K Profile
HEC-RAS 300K Profile
HEC-RAS 400K Profile
Chickamauga Reservoir
HEC-RAS Steady State Flows
100K-400K
Figure 8


750
740
730
720
710
700
690
680
Elevation in Feet above MSL
470
480
490
500
510
520
530
Tennessee River Mile
HEC-RAS 600K Profile
HEC-RAS 800K Profile
HEC-RAS 1000K Profile
Chickamauga Reservoir
HEC-RAS Steady State Flows
600K-1000K
Figure 9

TVA

Calculation No. CDQ000020080039	Rev: 0	Plant: GEN	Page: 40
Subject: SOCH Model Calibration, Chickamauga		Prepped	JTS
		Checked	WBB

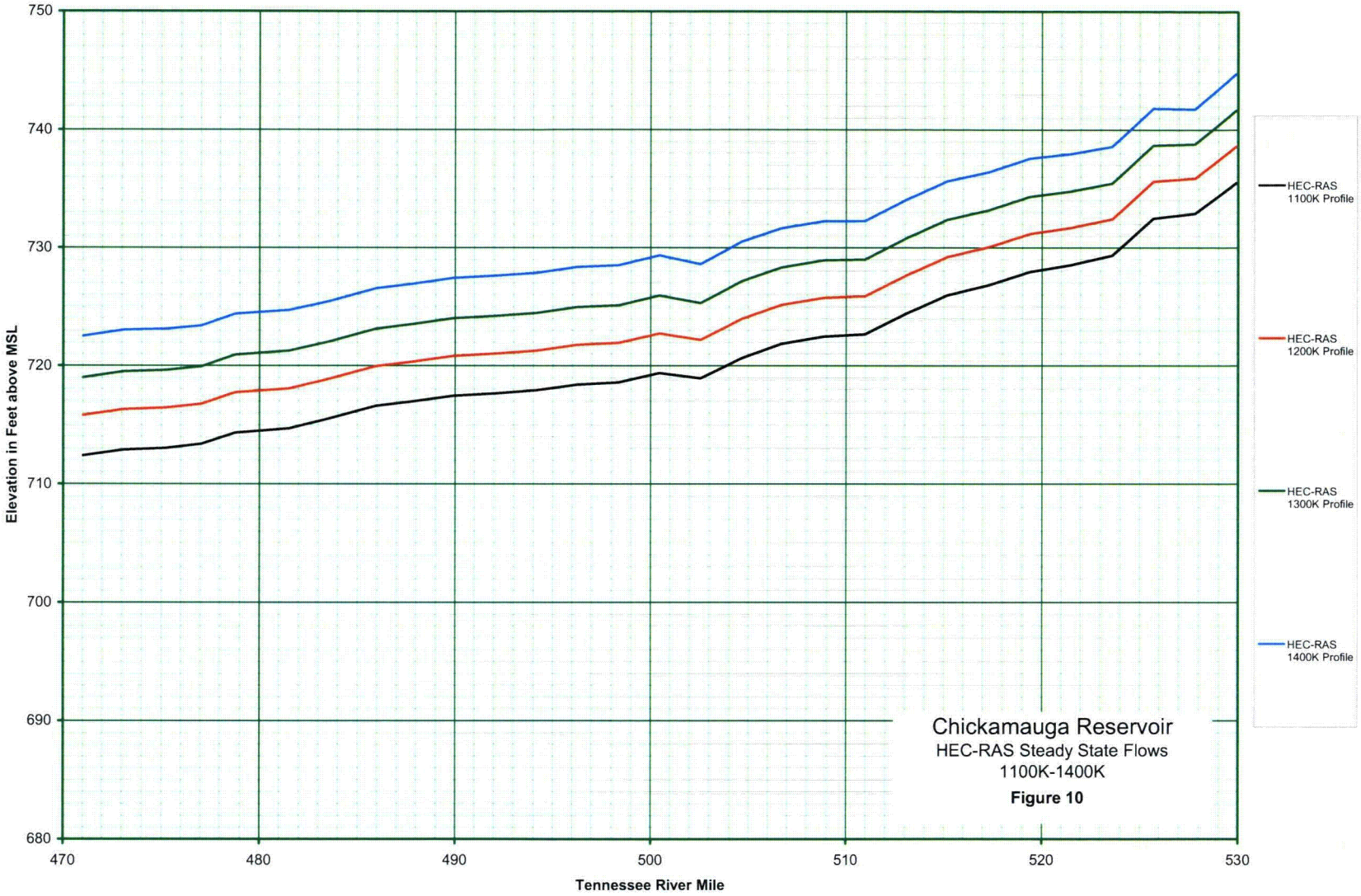


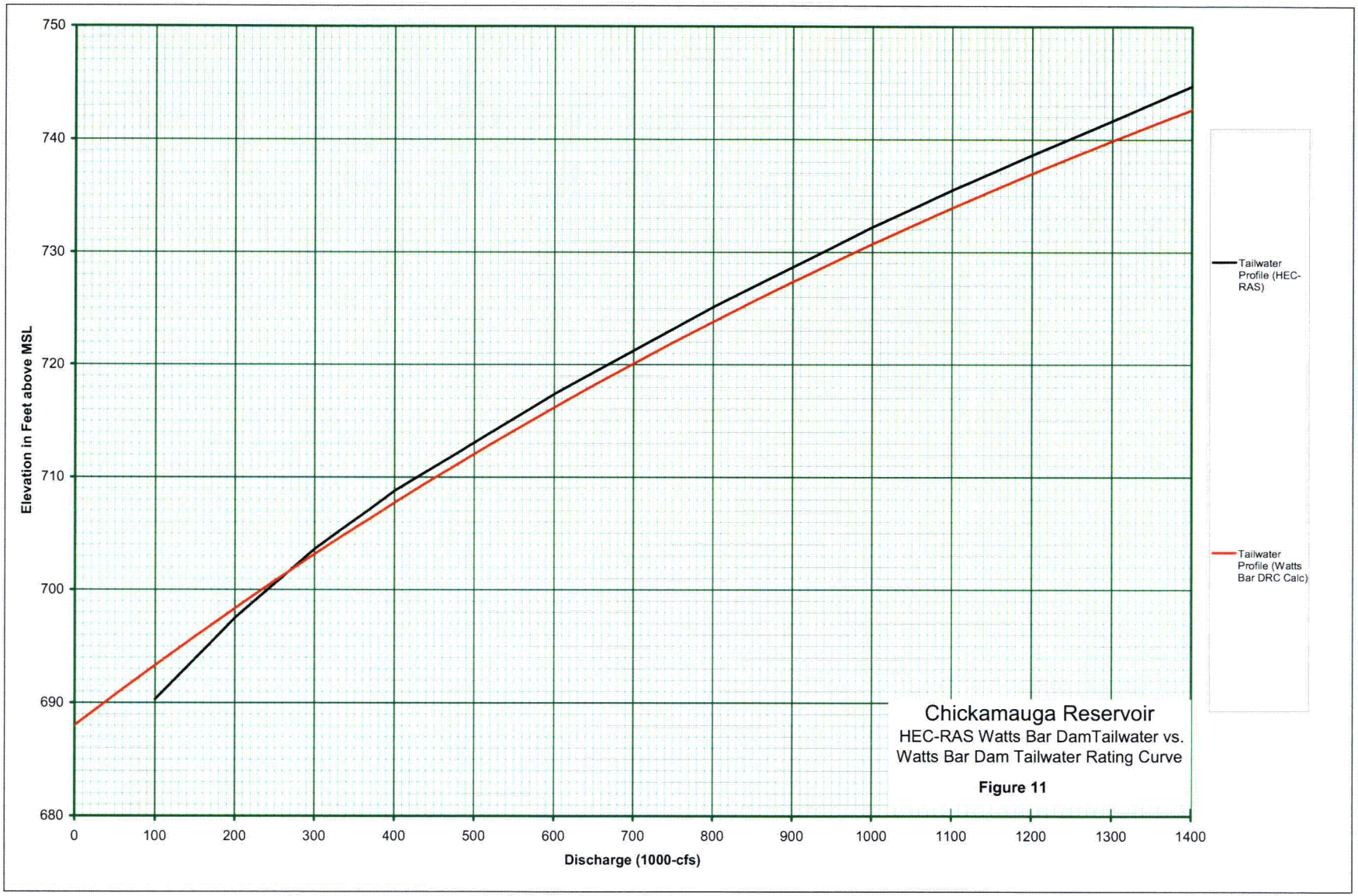
Figure 10

Table 15. Chickamauga Reservoir, HEC-RAS Steady-State Flows 100K-600K

Tennessee River Mile	HEC-RAS 100K Profile	HEC-RAS 200K Profile	HEC-RAS 300K Profile	HEC-RAS 400K Profile	HEC-RAS 600K Profile
	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
529.90	690.30	697.49	703.59	708.76	717.36
527.80	689.77	696.53	702.37	707.32	715.49
525.69	689.32	695.60	701.14	705.86	714.15
523.59	688.94	694.70	699.80	704.11	711.70
521.49	688.64	694.04	698.90	703.04	710.49
519.38	688.12	692.90	697.42	701.49	709.20
517.28	687.71	692.08	696.41	700.36	708.01
515.18	687.37	691.34	695.46	699.31	706.92
513.07	687.07	690.59	694.35	697.95	705.34
510.97	686.81	689.89	693.28	696.57	703.63
508.86	686.64	689.41	692.62	695.83	702.96
506.70	686.48	688.96	691.98	695.07	702.16
504.66	686.29	688.41	691.10	693.93	700.80
502.55	686.14	687.92	690.23	692.71	699.20
500.45	686.04	687.61	689.75	692.13	698.84
498.35	685.96	687.35	689.29	691.51	698.06
496.24	685.91	687.18	689.01	691.13	697.67
494.11	685.86	687.03	688.73	690.73	697.16
492.04	685.83	686.93	688.54	690.45	696.82
489.93	685.81	686.84	688.37	690.21	696.53
487.83	685.78	686.73	688.15	689.87	696.07
485.94	685.75	686.61	687.92	689.52	695.60
483.62	685.68	686.38	687.45	688.79	694.55
481.52	685.61	686.09	686.86	687.84	693.31
478.78	685.57	685.94	686.54	687.33	692.65
477.04	685.52	685.76	686.14	686.66	691.66
475.21	685.49	685.62	685.84	686.15	690.98
473.10	685.46	685.54	685.65	685.82	690.57
471.00	685.44	685.44	685.44	685.44	690.00

Table 16. Chickamauga Reservoir, HEC-RAS Steady-State Flows 800K-1400K

Tennessee River Mile	HEC-RAS 800K Profile	HEC-RAS 1000K Profile	HEC-RAS 1100K Profile	HEC-RAS 1200K Profile	HEC-RAS 1300K Profile	HEC-RAS 1400K Profile
	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
529.90	725.12	732.22	735.49	738.63	741.66	744.74
527.80	722.92	729.73	732.87	735.88	738.79	741.75
525.69	721.97	729.17	732.47	735.64	738.69	741.81
523.59	719.10	726.10	729.33	732.44	735.45	738.57
521.49	718.01	725.23	728.53	731.71	734.78	737.96
519.38	717.09	724.55	727.94	731.19	734.32	737.56
517.28	715.94	723.43	726.81	730.06	733.17	736.39
515.18	714.95	722.54	725.96	729.23	732.37	735.63
513.07	713.40	721.01	724.41	727.67	730.79	734.05
510.97	711.67	719.28	722.67	725.91	729.00	732.25
508.86	711.22	719.02	722.48	725.77	728.93	732.24
506.70	710.54	718.40	721.86	725.17	728.33	731.65
504.66	709.25	717.18	720.65	723.99	727.16	730.52
502.55	707.62	715.51	718.93	722.20	725.30	728.61
500.45	707.67	715.84	719.38	722.74	725.95	729.34
498.35	706.91	715.08	718.59	721.94	725.12	728.51
496.24	706.63	714.87	718.40	721.77	724.97	728.37
494.11	706.14	714.39	717.92	721.28	724.46	727.86
492.04	705.85	714.13	717.66	721.03	724.21	727.62
489.93	705.60	713.91	717.46	720.83	724.03	727.44
487.83	705.14	713.45	716.98	720.34	723.52	726.93
485.94	704.72	713.06	716.60	719.96	723.14	726.55
483.62	703.70	712.05	715.57	718.91	722.07	725.48
481.52	702.67	711.15	714.70	718.07	721.26	724.71
478.78	702.18	710.76	714.34	717.73	720.93	724.40
477.04	701.24	709.83	713.38	716.75	719.92	723.38
475.21	700.76	709.45	713.04	716.43	719.62	723.11
473.10	700.50	709.28	712.89	716.30	719.51	723.02
471.00	700.00	708.80	712.40	715.80	719.00	722.50



Chickamauga Reservoir
HEC-RAS Watts Bar DamTailwater vs.
Watts Bar Dam Tailwater Rating Curve

Figure 11

Table 17. Chickamauga Reservoir, HEC-RAS Watts Bar Tailwater vs. Watts Bar Tailwater Rating Curve (Attachment 4)

Discharge (Dam Rating Curve)	Tailwater Profile (Dam Rating Curve)	Discharge- (HEC-RAS)	Tailwater Profile (HEC-RAS)
1000 cfs	Elevation (ft)	1000 cfs	Elevation (ft)
0	688.00		
50	690.68		
100	693.30	100	690.30
150	695.85		
200	698.35	200	697.49
250	700.78		
300	703.15	300	703.59
350	705.46		
400	707.71	400	708.76
450	709.91		
500	712.05	500	
550	714.14		
600	716.18	600	717.36
650	718.16		
700	720.10	700	
750	721.99		
800	723.83	800	725.12
850	725.62		
900	727.37	900	
950	729.08		
1000	730.74	1000	732.22
1050	732.37		
1100	733.95	1100	735.49
1150	735.49		
1200	737.00	1200	738.63
1250	738.48		
1300	739.91	1300	741.66
1350	741.32		
1400	742.69	1400	744.74

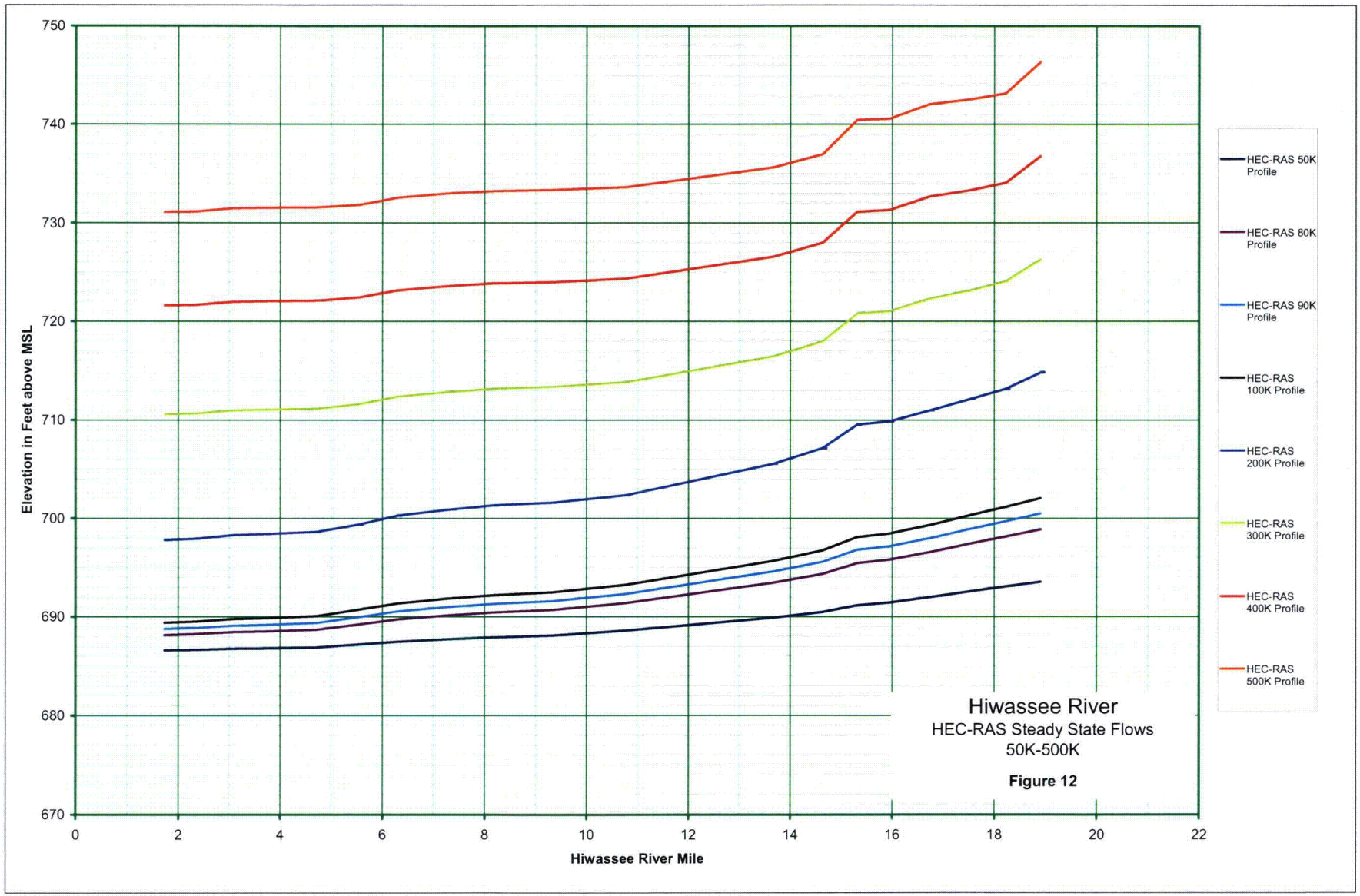

Elevation in Feet above MSL
750
740
730
720
710
700
690
680
670
0
2
4
6
8
10
12
14
16
18
20
22
Hiwassee River Mile
HEC-RAS 50K Profile
HEC-RAS 80K Profile
HEC-RAS 90K Profile
HEC-RAS 100K Profile
HEC-RAS 200K Profile
HEC-RAS 300K Profile
HEC-RAS 400K Profile
HEC-RAS 500K Profile
Hiwassee River
HEC-RAS Steady State Flows
50K-500K

Figure 12

Table 18. Hiwassee River, HEC-RAS Steady-State Flows 50K-500K

Hiwassee River Mile	HEC-RAS 50K Profile	HEC-RAS 80K Profile	HEC-RAS 90K Profile	HEC-RAS 100K Profile	HEC-RAS 200K Profile	HEC-RAS 300K Profile	HEC-RAS 400K Profile	HEC-RAS 500K Profile
	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
18.90	693.54	698.88	700.50	702.04	714.82	726.31	736.81	746.35
18.22	693.07	698.15	699.68	701.14	713.16	724.08	734.09	743.16
17.54	692.58	697.44	698.92	700.33	712.13	723.18	733.36	742.57
16.74	691.99	696.57	697.97	699.30	710.97	722.32	732.71	742.07
15.95	691.44	695.80	697.15	698.44	709.85	721.05	731.33	740.58
15.31	691.15	695.45	696.79	698.08	709.52	720.81	731.16	740.47
14.64	690.47	694.36	695.58	696.74	707.15	717.99	728.02	736.99
13.67	689.91	693.46	694.59	695.66	705.55	716.46	726.59	735.65
10.78	688.58	691.39	692.32	693.22	702.35	713.83	724.35	733.64
9.33	688.08	690.69	691.58	692.45	701.59	713.35	723.99	733.35
8.20	687.90	690.44	691.32	692.18	701.33	713.18	723.87	733.24
7.36	687.74	690.17	691.03	691.87	700.92	712.86	723.62	733.03
6.30	687.47	689.73	690.55	691.35	700.30	712.38	723.17	732.58
5.55	687.19	689.23	689.98	690.72	699.38	711.60	722.43	731.83
4.71	686.89	688.69	689.38	690.06	698.62	711.14	722.10	731.57
3.75	686.79	688.52	689.19	689.86	698.41	711.04	722.05	731.54
3.08	686.75	688.44	689.10	689.76	698.30	710.97	721.99	731.49
2.34	686.65	688.24	688.87	689.51	697.93	710.65	721.68	731.16
1.73	686.60	688.15	688.77	689.39	697.79	710.57	721.62	731.12

6.3 SOCH Steady-State Calibration

The SOCH model of Chickamauga Reservoir was run under steady-state conditions and compared to the steady-state profiles from HEC-RAS. The downstream boundary conditions, Table 11, were set at the level of the Chickamauga top of gates elevation, 685.44 ft, to account for reservoir pool until the flow increased to 500,000 cfs, the point at which the top of gates elevation intersects the dam rating curve which is at maximum spillway capacity at that level (Attachment 3, Chickamauga before construction of a new lock, pre-failure with Dallas Bay included). The boundary conditions then followed the dam rating curve. Uniform, steady-state flow in 100,000 cfs or 200,000 cfs increments was specified so no local inflows were used. The Manning's *n* values were adjusted so the SOCH steady-state profiles coincided with the HEC-RAS steady-state profiles in the range of the PMF, 1,000,000 cfs to 1,200,000 cfs. Several iterations of Manning's *n* values were run to achieve calibration. These iterations are not shown in this calculation; only the runs using the final Manning's *n* values are shown. The Manning's *n* values calibrated for the SOCH model are compared to the Manning's *n* values calibrated for the HEC-RAS steady-state model in Table 19.

Table 19. SOCH Manning's *n* Values for Chickamauga Reservoir Compared to HEC-RAS Manning's *n* values.

Tennessee River Mile	HEC-RAS Manning's *n*	SOCH Manning's *n*
529.90	0.026	0.026
528.85*		0.026
527.80	0.026	0.026
526.75*		0.028
525.69	0.026	0.028
524.64*		0.028
523.59	0.026	0.028
522.54*		0.028
521.49	0.026	0.028
520.44*		0.028
519.38	0.026	0.028
518.33*		0.028
517.28	0.026	0.028
516.23*		0.028
515.18	0.026	0.028
514.13*		0.022
513.07	0.026	0.022
512.02*		0.022
510.97	0.026	0.022
509.92*		0.022
508.86	0.022	0.022
507.78*		0.022
506.70	0.022	0.022
505.68*		0.022
504.66	0.022	0.022
503.61*		0.022
502.55	0.022	0.022
500.98*		0.022
499.40	0.022	0.022

Tennessee River Mile	HEC-RAS Manning's *n*	SOCH Manning's *n*
498.88*		0.022
498.35	0.022	0.022
497.30*		0.022
496.24	0.022	0.022
495.18*		0.022
494.11	0.022	0.022
493.08*		0.022
492.04	0.022	0.022
490.99*		0.022
489.93	0.022	0.022
488.88*		0.022
487.83	0.026	0.027
486.89*		0.027
485.94	0.026	0.027
484.78*		0.027
483.62	0.026	0.027
482.57*		0.027
481.52	0.026	0.027
481.01*		0.027
480.50	0.026	0.027
478.77*		0.027
477.04	0.026	0.027
476.13*		0.027
475.21	0.026	0.027
474.16*		0.027
473.10	0.026	0.027
472.05*		0.027
471.00	0.026	0.027

*Interpolated Section in SOCH

During this phase adjustments to the cross-sections that would improve the calibration were identified. The cross-section at River Mile 500.4 was moved to River Mile 499.4 so that it could serve as a junction section with the Hiwassee River in later calibration steps. The cross-section at River Mile 498.35 was more representative of the area at River Mile 499.4 so it was copied to River Mile 499.4. River Mile 478.78 was moved to River Mile 480.5 to serve as a junction section with Dallas Bay in later calibration steps. Additionally, a closer calibration was obtained when one cross-section was interpolated between each of the original cross-sections in the SOCH model, resulting in 57 cross-sections rather than 29.

The SOCH model of the Hiwassee River was run under steady-state conditions and compared to the steady-state profiles from HEC-RAS. The downstream boundary conditions were set at the water-surface elevation of the Tennessee River at River Mile 499.4 which was computed by running steady-state profiles of the Chickamauga Reservoir, as described in Section 6.2 (Table 14). The Manning's *n* values were adjusted so that the SOCH steady-state profiles coincided with the HEC-RAS steady-state profiles. Several iterations of Manning's *n* values were run to achieve calibration. These iterations are not shown in this calculation; only the final Manning's *n* values are shown. The Manning's *n* values calibrated for the SOCH model are compared to the Manning's n values calibrated for the HEC-RAS steady-state model in Table 20. Additionally, a closer calibration was obtained when SOCH interpreted the even-numbered cross-sections, resulting in 37 cross-sections rather than 19.

Table 20. SOCH Manning's *n* Values for Hiwassee River Compared to HEC-RAS Manning's *n* Values

Tennessee River Mile	HEC-RAS Manning's *n*	SOCH Manning's *n*	Tennessee River Mile	HEC-RAS Manning's *n*	SOCH Manning's *n*
18.90	0.034	0.038	8.77*		0.036
18.56*		0.038	8.20	0.034	0.036
18.22	0.034	0.038	7.78*		0.036
17.88*		0.038	7.36	0.034	0.036
17.54	0.034	0.038	6.83*		0.036
17.14*		0.038	6.30	0.034	0.036
16.74	0.034	0.034	5.93*		0.036
16.35*		0.034	5.55	0.034	0.036
15.95	0.034	0.034	5.13*		0.036
15.63*		0.034	4.71	0.034	0.036
15.31	0.034	0.034	4.23*		0.036
14.98*		0.034	3.75	0.034	0.036
14.64	0.034	0.034	3.42*		0.036
14.16*		0.034	3.08	0.034	0.036
13.67	0.034	0.034	2.71*		0.036
11.75*		0.034	2.34	0.034	0.036
10.78	0.034	0.034	2.04*		0.036
10.06*		0.036	1.73	0.034	0.036
9.33	0.034	0.036			

*Interpolated Section in SOCH

6.3.1 SOCH Steady-State Profiles for Chickamauga Reservoir in 100K Increments

The SOCH model was calibrated to the steady-state profiles in the range of the PMF by adjusting the Manning's *n* values. The profile at 1,000,000 cfs flow, in the range of the PMF, coincided with the HEC-RAS profile to within one foot of elevation. Steady-state profiles were then run in 100,000 cfs or 200,000 cfs increments (Figures 13 through 15, and Tables 21 through 23) at profiles ranging from 100,000 cfs to 1,400,000 cfs. (Because the calibration is focused on matching the profiles at the PMF level, the lower flow profiles in the historic flood range may not match as closely as the 1,000,000 cfs profile.) Figure 16 and Table 24 show the elevations of the HEC-RAS and SOCH steady-state profiles at Watts Bar Dam, RM 529.9, compared to the tailwater rating curve for Watts Bar Dam (Attachment 4).

6.3.2 SOCH Steady-State Profiles for Hiwassee River in 100K Increments

The SOCH model was calibrated to the steady-state profiles by adjusting the Manning's *n* values. The profile at 300,000 cfs flow coincided with the HEC-RAS profile to within one foot of elevation. Steady-state profiles were then run at profiles ranging from 50,000 cfs to 500,000 cfs (Figure 17 and Tables 25 through 26).

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		Checked	WBB

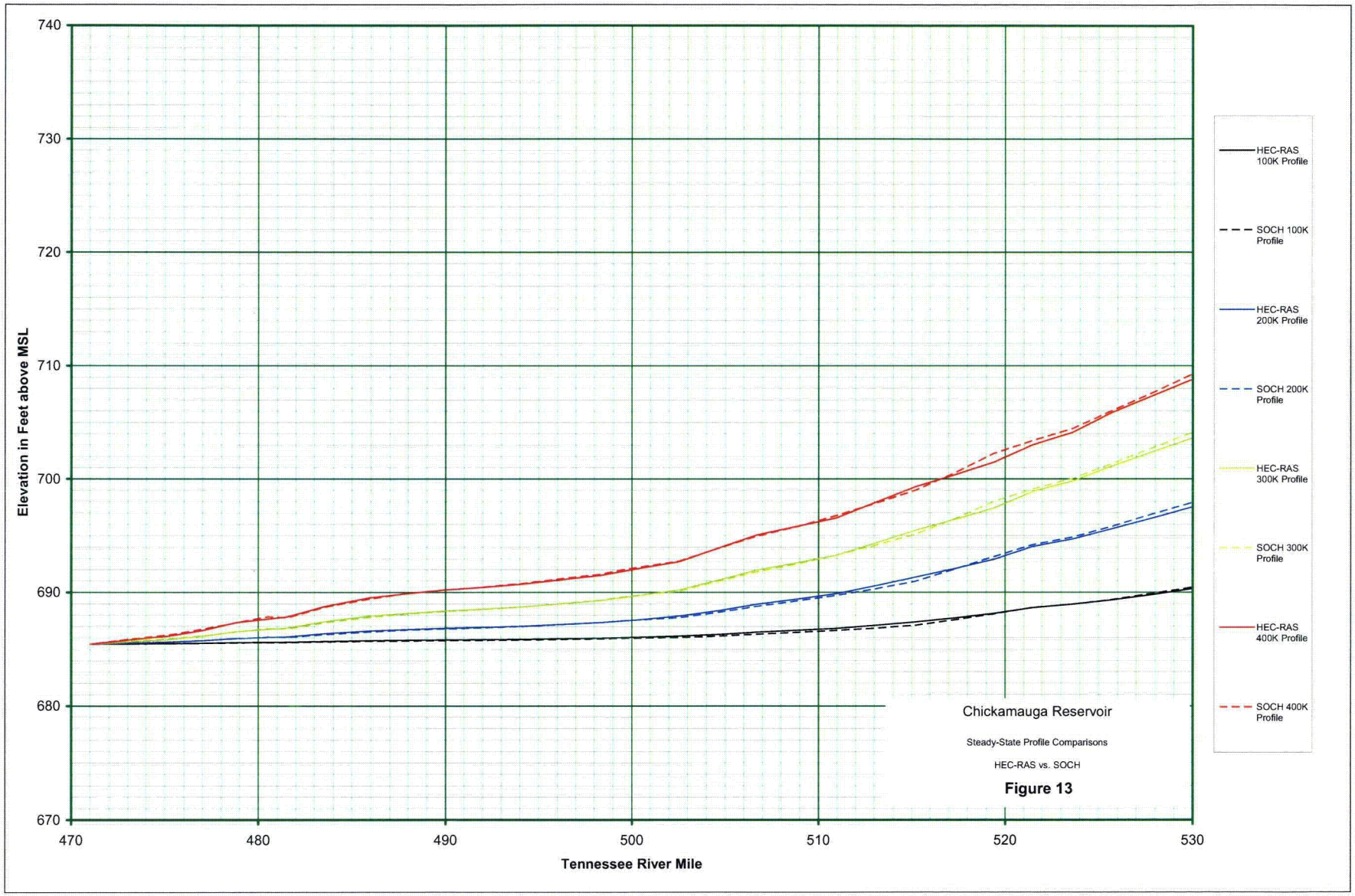

Table 21. Chickamauga Reservoir, Steady-State Profile Comparisons, HEC-RAS vs. SOCH*, 100K – 400K

Tennessee River Mile	HEC-RAS 100K Profile	SOCH 100K Profile*	HEC-RAS 200K Profile	SOCH 200K Profile*	HEC-RAS 300K Profile	SOCH 300K Profile*	HEC-RAS 400K Profile	SOCH 400K Profile*
	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
529.90	690.30	690.43	697.49	697.89	703.59	704.09	708.76	709.22
527.80	689.77	689.88	696.53	696.88	702.37	702.73	707.32	707.59
525.69	689.32	689.34	695.60	695.81	701.14	701.37	705.86	706.05
523.59	688.94	688.94	694.70	694.87	699.80	700.04	704.11	704.46
521.49	688.64	688.65	694.04	694.21	698.90	699.14	703.04	703.41
519.38	688.12	688.09	692.90	693.15	697.42	698.01	701.49	702.27
517.28	687.71	687.55	692.08	692.02	696.41	696.47	700.36	700.53
515.18	687.37	687.07	691.34	690.96	695.46	695.11	699.31	699.01
513.07	687.07	686.83	690.59	690.31	694.35	694.16	697.95	697.87
510.97	686.81	686.63	689.89	689.74	693.28	693.29	696.57	696.79
508.86	686.64	686.46	689.41	689.25	692.62	692.51	695.83	695.80
506.70	686.48	686.30	688.96	688.77	691.98	691.81	695.07	694.97
504.66	686.29	686.14	688.41	688.26	691.10	690.99	693.93	693.92
502.55	686.14	686.01	687.92	687.78	690.23	690.12	692.71	692.76
500.45	686.04	685.94	687.61	687.50	689.75	689.59	692.13	691.98
498.35	685.96	685.89	687.35	687.34	689.29	689.31	691.51	691.61
496.24	685.91	685.84	687.18	687.17	689.01	689.03	691.13	691.23
494.11	685.86	685.80	687.03	687.00	688.73	688.71	690.73	690.78
492.04	685.83	685.77	686.93	686.88	688.54	688.50	690.45	690.47
489.93	685.81	685.74	686.84	686.79	688.37	688.32	690.21	690.21
487.83	685.78	685.72	686.73	686.68	688.15	688.10	689.87	689.89
485.94	685.75	685.68	686.61	686.52	687.92	687.80	689.52	689.43
483.62	685.68	685.63	686.38	686.30	687.45	687.35	688.79	688.72
481.52	685.61	685.57	686.09	686.03	686.86	686.77	687.84	687.76
478.78	685.57	685.57	685.94	686.06	686.54	686.82	687.33	687.85
477.04	685.52	685.51	685.76	685.77	686.14	686.19	686.66	686.77
475.21	685.49	685.48	685.62	685.64	685.84	685.90	686.15	686.25
473.10	685.46	685.46	685.54	685.55	685.65	685.69	685.82	685.88
471.00	685.44	685.44	685.44	685.44	685.44	685.44	685.44	685.44

*SOCH Model results taken from odd nodes only (every other cross-section). Even node points used to advance computation.

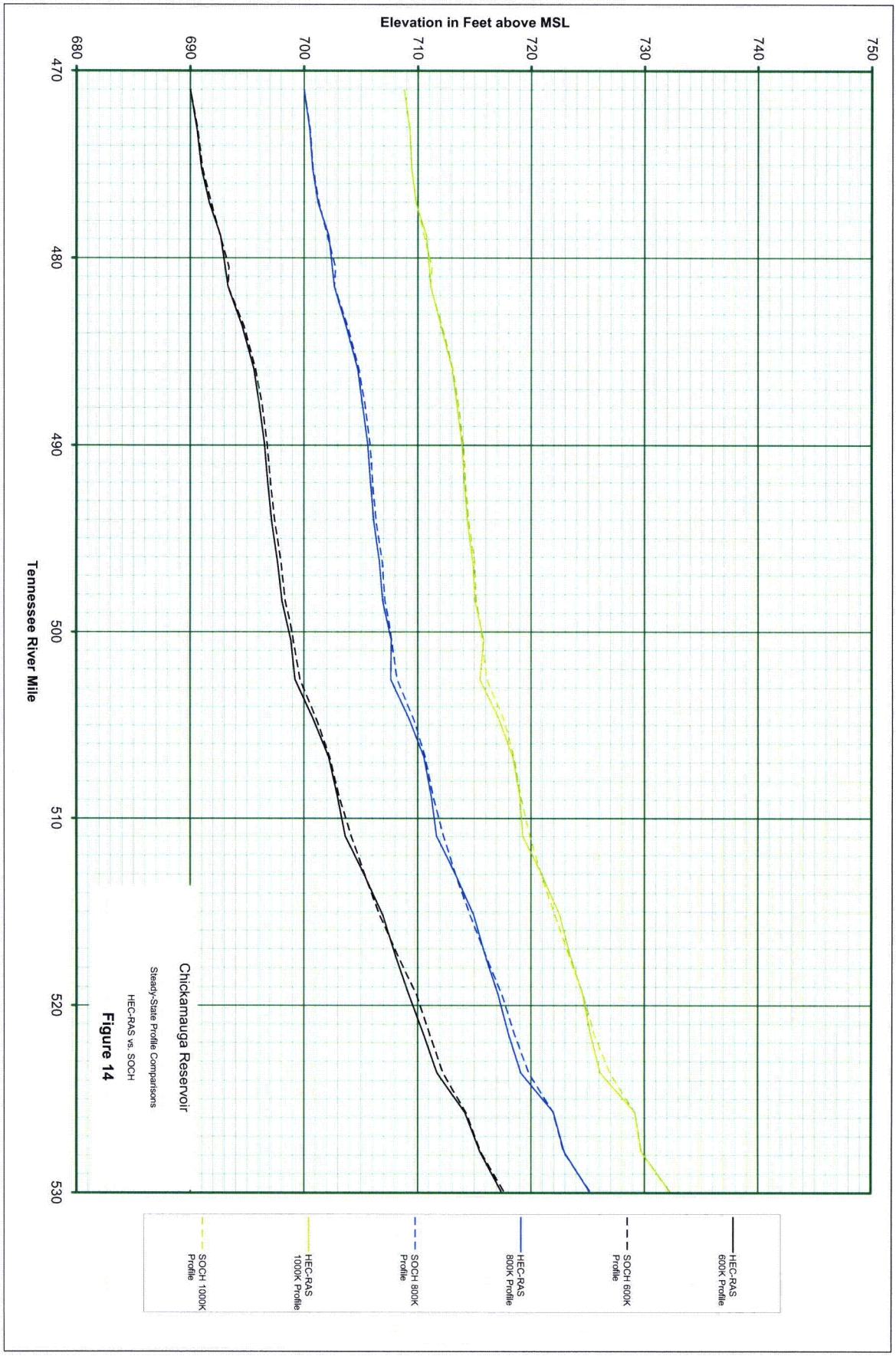
Elevation in Feet above MSL
750
740
730
720
710
700
690
680
470
480
490
500
510
520
530
Tennessee River Mile
Chickamauga Reservoir
Steady-State Profile Comparisons
HEC-RAS vs. SOCH
HEC-RAS 600K Profile
SOCH 600K Profile
HEC-RAS 800K Profile
SOCH 800K Profile
HEC-RAS 1000K Profile
SOCH 1000K Profile

Figure 14

Table 22. Chickamauga Reservoir, Steady-State Profile Comparisons, HEC-RAS vs. SOCH*, 600K-1000K

Tennessee River Mile	HEC-RAS 600K Profile	SOCH 600K Profile*	HEC-RAS 800K Profile	SOCH 800K Profile*	HEC-RAS 1000K Profile	SOCH 1000K Profile*
	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
529.90	717.36	717.60	725.12	725.18	732.22	732.20
527.80	715.49	715.55	722.92	722.85	729.73	729.69
525.69	714.15	714.26	721.97	721.96	729.17	729.14
523.59	711.70	712.23	719.10	719.80	726.10	726.97
521.49	710.49	711.03	718.01	718.52	725.23	725.56
519.38	709.20	709.88	717.09	717.43	724.55	724.59
517.28	708.01	708.20	715.94	715.98	723.43	723.31
515.18	706.92	706.65	714.95	714.63	722.54	722.11
513.07	705.34	705.37	713.40	713.39	721.01	720.93
510.97	703.63	704.16	711.67	712.29	719.28	719.91
508.86	702.96	703.11	711.22	711.39	719.02	719.13
506.70	702.16	702.26	710.54	710.67	718.40	718.51
504.66	700.80	701.09	709.25	709.64	717.18	717.61
502.55	699.20	699.65	707.62	708.19	715.51	716.12
500.45	698.84	698.75	707.67	707.45	715.84	715.48
498.35	698.06	698.34	706.91	707.12	715.08	715.19
496.24	697.67	697.98	706.63	706.87	714.87	715.02
494.11	697.16	697.43	706.14	706.35	714.39	714.52
492.04	696.82	697.06	705.85	706.04	714.13	714.24
489.93	696.53	696.76	705.60	705.80	713.91	714.04
487.83	696.07	696.33	705.14	705.36	713.45	713.60
485.94	695.60	695.74	704.72	704.83	713.06	713.12
483.62	694.55	694.73	703.70	703.84	712.05	712.14
481.52	693.31	693.33	702.67	702.68	711.15	711.13
478.78	692.65	693.39	702.18	702.77	710.76	711.25
477.04	691.66	691.83	701.24	701.32	709.83	709.85
475.21	690.98	691.08	700.76	700.79	709.45	709.46
473.10	690.57	690.64	700.50	700.54	709.28	709.30
471.00	690.00	690.00	700.00	700.00	708.80	708.80

*SOCH Model results taken from odd nodes only (every other cross-section). Even node points used to advance computation.

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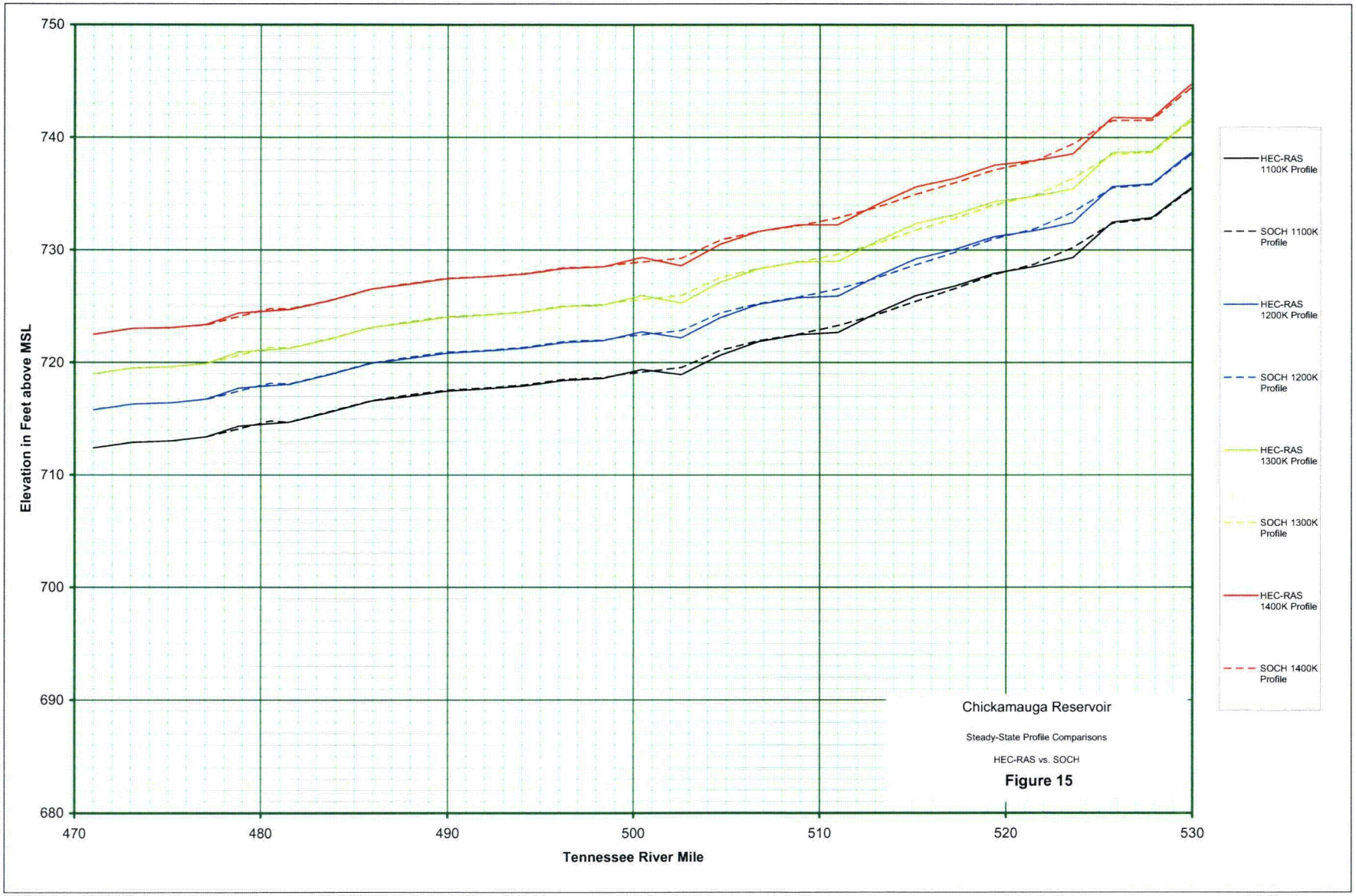

Table 23. Chickamauga Reservoir, Steady-State Profile Comparisons, HEC-RAS vs. SOCH*, 1100K-1400K

Tennessee River Mile	HEC-RAS 1100K Profile	SOCH 1100K Profile*	HEC-RAS 1200K Profile	SOCH 1200K Profile*	HEC-RAS 1300K Profile	SOCH 1300K Profile*	HEC-RAS 1400K Profile	SOCH 1400K Profile*
	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)
529.90	735.49	735.39	738.63	738.49	741.66	741.46	744.74	744.43
527.80	732.87	732.77	735.88	735.80	738.79	738.67	741.75	741.57
525.69	732.47	732.37	735.64	735.52	738.69	738.52	741.81	741.54
523.59	729.33	730.23	732.44	733.37	735.45	736.39	738.57	739.47
521.49	728.53	728.74	731.71	731.87	734.78	734.85	737.96	737.92
519.38	727.94	727.83	731.19	731.01	734.32	734.03	737.56	737.15
517.28	726.81	726.59	730.06	729.80	733.17	732.85	736.39	736.00
515.18	725.96	725.46	729.23	728.70	732.37	731.78	735.63	734.97
513.07	724.41	724.27	727.67	727.52	730.79	730.60	734.05	733.80
510.97	722.67	723.28	725.91	726.54	729.00	729.63	732.25	732.86
508.86	722.48	722.53	725.77	725.82	728.93	728.93	732.24	732.18
506.70	721.86	721.94	725.17	725.25	728.33	728.38	731.65	731.65
504.66	720.65	721.08	723.99	724.42	727.16	727.58	730.52	730.91
502.55	718.93	719.56	722.20	722.85	725.30	725.97	728.61	729.28
500.45	719.38	718.95	722.74	722.28	725.95	725.43	729.34	728.78
498.35	718.59	718.67	721.94	722.00	725.12	725.16	728.51	728.53
496.24	718.40	718.52	721.77	721.87	724.97	725.04	728.37	728.42
494.11	717.92	718.02	721.28	721.36	724.46	724.52	727.86	727.89
492.04	717.66	717.74	721.03	721.09	724.21	724.26	727.62	727.64
489.93	717.46	717.56	720.83	720.92	724.03	724.09	727.44	727.48
487.83	716.98	717.11	720.34	720.46	723.52	723.62	726.93	727.00
485.94	716.60	716.63	719.96	719.98	723.14	723.14	726.55	726.54
483.62	715.57	715.63	718.91	718.96	722.07	722.11	725.48	725.50
481.52	714.70	714.70	718.07	718.10	721.26	721.30	724.71	724.76
478.78	714.34	714.80	717.73	718.17	720.93	721.35	724.40	724.80
477.04	713.38	713.39	716.75	716.74	719.92	719.91	723.38	723.35
475.21	713.04	713.04	716.43	716.43	719.62	719.63	723.11	723.11
473.10	712.89	712.91	716.30	716.32	719.51	719.53	723.02	723.03
471.00	712.40	712.40	715.80	715.80	719.00	719.00	722.50	722.50

*SOCH Model results taken from odd nodes only (every other cross-section). Even node points used to advance computation

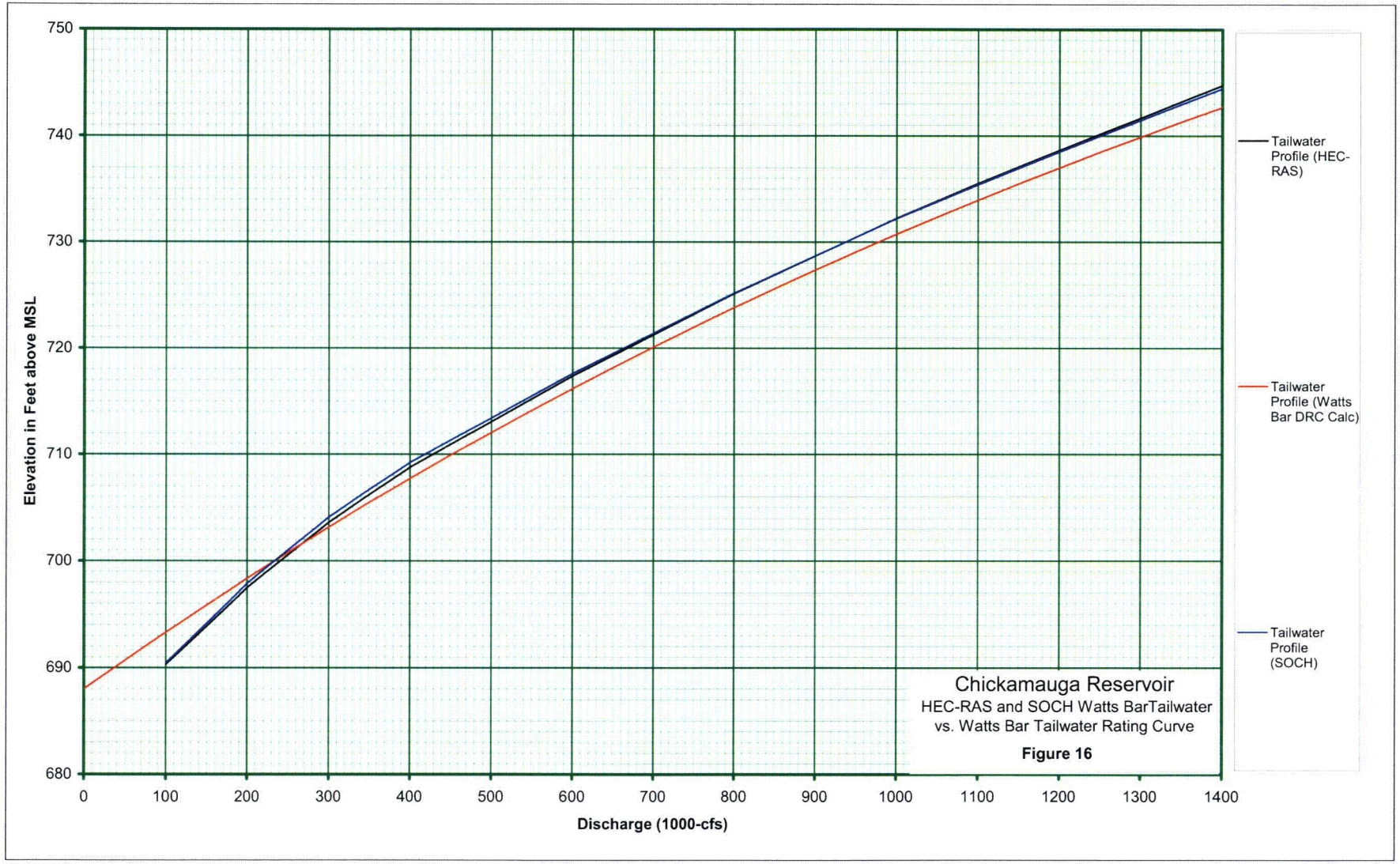
Chickamauga Reservoir
HEC-RAS and SOCH Watts BarTailwater
vs. Watts Bar Tailwater Rating Curve
Figure 16
Elevation in Feet above MSL
Discharge (1000-cfs)
750
740
730
720
710
700
690
680
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
Tailwater Profile (HEC-RAS)
Tailwater Profile (Watts Bar DRC Calc)
Tailwater Profile (SOCH)

Table 24. Chickamauga Reservoir, HEC-RAS and SOCH Watts Bar Tailwater vs. Watts Bar Tailwater Rating Curve

Discharge (Dam Rating Curve)	Tailwater Profile (Dam Rating Curve)	Discharge (HEC-RAS)	Tailwater Profile (HEC-RAS)	Tailwater Profile (SOCH)
1000 cfs	Elevation (ft)	1000 cfs	Elevation (ft)	Elevation (ft)
0	688.00			
50	690.68			
100	693.30	100	690.30	690.43
150	695.85			
200	698.35	200	697.49	697.89
250	700.78			
300	703.15	300	703.59	704.09
350	705.46			
400	707.71	400	708.76	709.22
450	709.91			
500	712.05			
550	714.14			
600	716.18	600	717.36	717.60
650	718.16			
700	720.10			
750	721.99			
800	723.83	800	725.12	725.18
850	725.62			
900	727.37			
950	729.08			
1000	730.74	1000	732.22	732.20
1050	732.37			
1100	733.95	1100	735.49	735.39
1150	735.49			
1200	737.00	1200	738.63	738.49
1250	738.48			
1300	739.91	1300	741.66	741.46
1350	741.32			
1400	742.69	1400	744.74	744.43

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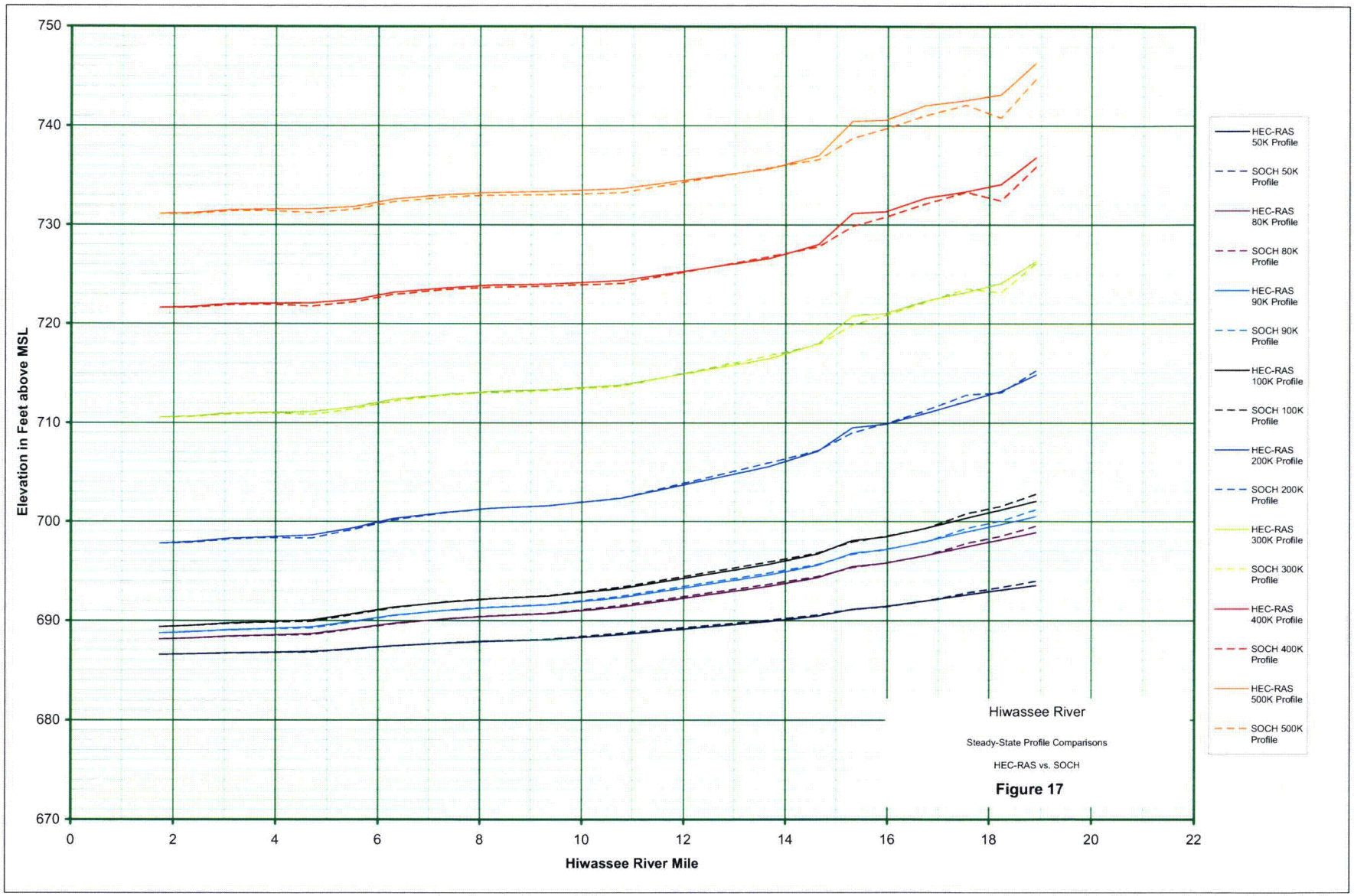


Figure 17

Table 25. Hiwassee River, Steady-State Profile Comparisons, HEC-RAS vs. SOCH*, 50K-100K

Tennessee River Mile	HEC-RAS 50K Profile	SOCH 50K Profile*	HEC-RAS 80K Profile	SOCH 80K Profile*	HEC-RAS 90K Profile	SOCH 90K Profile*	HEC-RAS 100K Profile	SOCH 100K Profile*
	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevatio n (ft)	Elevation (ft)	Elevation (ft)
18.90	693.54	693.98	699.54	699.54	700.50	701.19	702.04	702.76
18.22	693.07	693.34	698.51	698.51	699.68	700.04	701.14	701.51
17.54	692.58	692.78	697.78	697.78	698.92	699.29	700.33	700.76
16.74	691.99	691.97	696.55	696.55	697.97	697.94	699.30	699.29
15.95	691.44	691.39	695.82	695.82	697.15	697.20	698.44	698.51
15.31	691.15	691.14	695.37	695.37	696.79	696.68	698.08	697.94
14.64	690.47	690.58	694.47	694.47	695.58	695.68	696.74	696.84
13.67	689.91	690.04	693.66	693.66	694.59	694.80	695.66	695.90
10.78	688.58	688.73	691.54	691.54	692.32	692.47	693.22	693.37
9.33	688.08	688.12	690.73	690.73	691.58	691.62	692.45	692.49
8.20	687.90	687.93	690.48	690.48	691.32	691.36	692.18	692.22
7.36	687.74	687.76	690.20	690.20	691.03	691.06	691.87	691.90
6.30	687.47	687.44	689.68	689.68	690.55	690.49	691.35	691.28
5.55	687.19	687.16	689.17	689.17	689.98	689.91	690.72	690.64
4.71	686.89	686.84	688.59	688.59	689.38	689.26	690.06	689.92
3.75	686.79	686.78	688.50	688.50	689.19	689.17	689.86	689.83
3.08	686.75	686.73	688.40	688.40	689.10	689.06	689.76	689.71
2.34	686.65	686.64	688.23	688.23	688.87	688.86	689.51	689.49
1.73	686.60	686.60	688.15	688.15	688.77	688.77	689.39	689.39

*SOCH Model results taken from odd nodes only (every other cross-section). Even node points used to advance computation.

Table 26. Hiwassee River, Steady-State Profile Comparisons, HEC-RAS vs. SOCH*, 200K-500K

Tennessee River Mile	HEC-RAS 200K Profile	SOCH 200K Profile*	HEC-RAS 300K Profile	SOCH 300K Profile*	HEC-RAS 400K Profile	SOCH 400K Profile*	HEC-RAS 500K Profile	SOCH 500K Profile*
	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevation (ft)	Elevatio n (ft)	Elevation (ft)	Elevatio n (ft)
18.90	714.82	715.26	726.31	726.09	736.81	735.89	746.35	744.73
18.22	713.16	713.02	724.08	723.17	734.09	732.44	743.16	740.82
17.54	712.13	712.80	723.18	723.54	733.36	733.31	742.57	742.13
16.74	710.97	711.24	722.32	722.20	732.71	732.14	742.07	741.06
15.95	709.85	709.89	721.05	720.84	731.33	730.79	740.58	739.70
15.31	709.52	709.01	720.81	719.91	731.16	729.85	740.47	738.74
14.64	707.15	707.21	717.99	717.93	728.02	727.78	736.99	736.58
13.67	705.55	705.94	716.46	716.77	726.59	726.78	735.65	735.75
10.78	702.35	702.37	713.83	713.68	724.35	724.06	733.64	733.23
9.33	701.59	701.57	713.35	713.23	723.99	723.78	733.35	733.03
8.20	701.33	701.32	713.18	713.07	723.87	723.66	733.24	732.95
7.36	700.92	700.89	712.86	712.78	723.62	723.45	733.03	732.77
6.30	700.30	700.16	712.38	712.19	723.17	722.94	732.58	732.30
5.55	699.38	699.23	711.60	711.42	722.43	722.20	731.83	731.56
4.71	698.62	698.33	711.14	710.82	722.10	721.75	731.57	731.19
3.75	698.41	698.35	711.04	710.96	722.05	721.94	731.54	731.41
3.08	698.30	698.22	710.97	710.87	721.99	721.88	731.49	731.36
2.34	697.93	697.87	710.65	710.59	721.68	721.61	731.16	731.09
1.73	697.79	697.79	710.57	710.57	721.62	721.62	731.12	731.12

*SOCH Model results taken from odd nodes only (every other cross-section). Even node points used to advance computation.

6.4 SOCH Unsteady-State Historic Flood Events

The calibrated SOCH model of Chickamauga Reservoir and the Hiwassee River, with the revised Manning's *n* values, and the Dallas Bay portion were combined into a single model, run under unsteady-flow conditions and compared to the 1973 and 2003 flood events. The model was configured with 5 channels as depicted in Figure 3. Recorded Watts Bar discharges were used as the upstream boundary flows (upstream boundary condition) and recorded Chickamauga elevations were used as the downstream boundary condition (Attachments 5 and 6). Flow calculated from a rating curve and recorded elevations at the Hiwassee River gage at Charleston, Hiwassee River Mile 18.9, were used as the upstream boundary flow at the Hiwassee River gage.

The local inflow hydrographs developed from unit hydrographs (Attachment 8) were input to account for local inflow. As tabulated in Attachment 8, three hydrographs comprise the local inflows. "Subbasin 45 Direct Runoff + Baseflow" is the inflow hydrograph that drains to Chickamauga reservoir and was evenly distributed from TRM 529.90 to 471.00. "Additional Reservoir Runoff" is the inflow that falls directly on the reservoir and was evenly distributed from TRM 529.90 to 471.10. "Subbasin 44B Direct Runoff + Baseflow" is the inflow hydrograph that drains to the Hiwassee River and was evenly distributed from Hiwassee RM 18.90 to 1.73. The inflow hydrographs were developed in a separate calculation (Reference 2.7) and are validated in this calculation (Section 6.5).

The Dallas Bay cross-section at mile 5.23 was modified from the initial cross-section as shown in Figure 18. The narrow flow area in the lower elevations of the initial cross-section caused instabilities in the SOCH model so the cross-section was modified slightly to eliminate the narrow constriction. Additionally, the Manning's *n* value for the cross-section at River Mile 2.86 was changed from its initial value of 0.06 to 0.026. In the Geometry Verification Calculation for Chickamauga Reservoir (Reference 2.6) the cross-section bottom was modified to allow the SOCH model to simulate flow from Chickamauga Reservoir to the Dallas Bay rim leak into Lick Branch, however the Manning's *n* value at this section from the Lick Branch geometry calculation was not changed in the geometry calculation and is inconsistent for use with the other sections in the reservoir portion. The cross-section at River Mile 2.86 will serve as a double-node junction in the SOCH model for the PMF analysis. The Manning's *n* value for the upstream node (on the Chickamauga Reservoir side) was changed to be consistent with the other sections in the reservoir. The Manning's *n* value for the downstream node will remain unchanged to be consistent with the sections in the Lick Branch portion of the model described in a separate calculation. These modifications to the Dallas Bay cross-sections are minor and will not affect the model results. The CONVEY Version 1.0 program was then rerun to compute revised $R^{2/3}$ values and the SOCH geometry file was rebuilt as described in Appendix B of Reference 2.6.

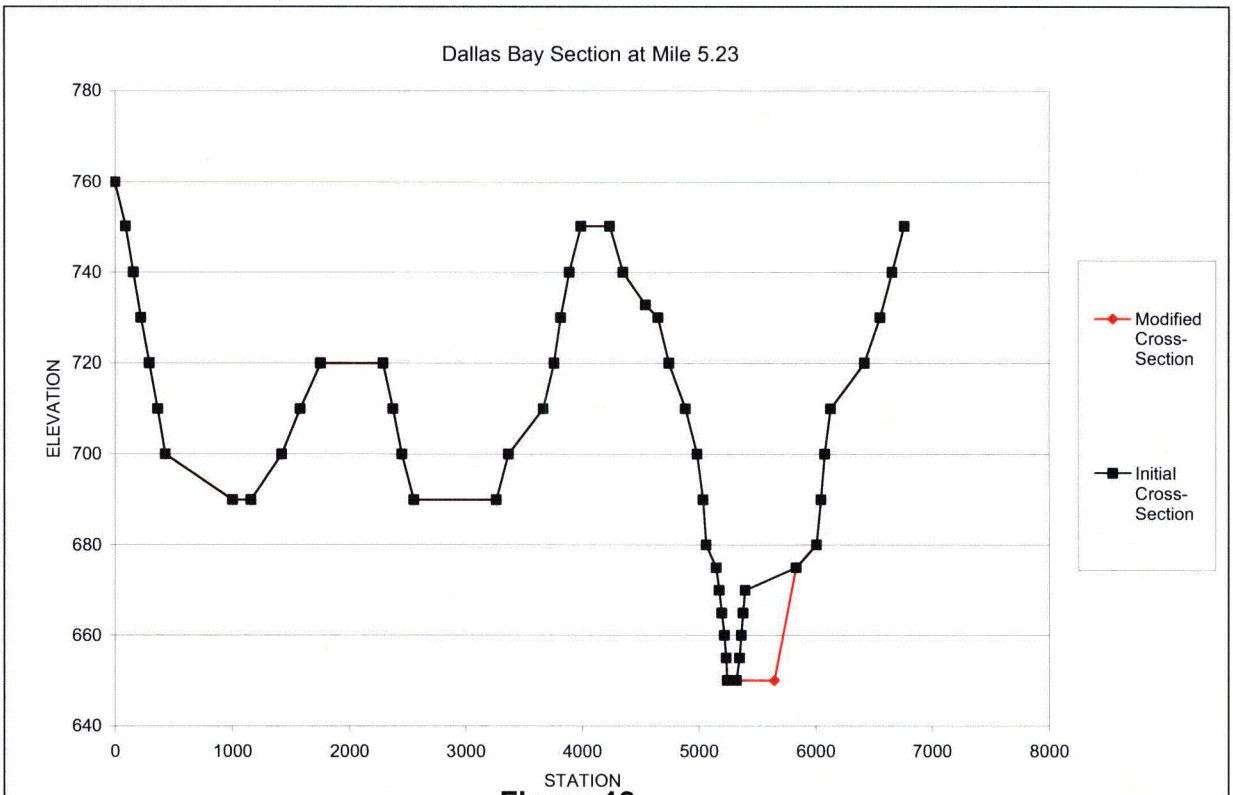


Figure 18

The SOCH model accounts for reservoir storage in the weighted-width value in the SOCH geometry (Reference 2.13). The initial SOCH geometry was developed in a separate calculation (Reference 2.6) and was updated to include a revised $R^{2/3}$ term in Section 6.1.

Calculated flood elevations from the SOCH model were compared to the measured elevations at gage stations and calculated flow was compared to measured flow at Chickamauga Dam for the historic events.

After completion of the two unsteady-state historic flood events, the annotation in the SOCH geometry files was updated to include the final Manning's *n* values for the SOCH model. These geometry files were then considered the final SOCH geometry files for Chickamauga Reservoir, Hiwassee River, and Dallas Bay.

6.4.1 SOCH 1973 Flood Event Simulation

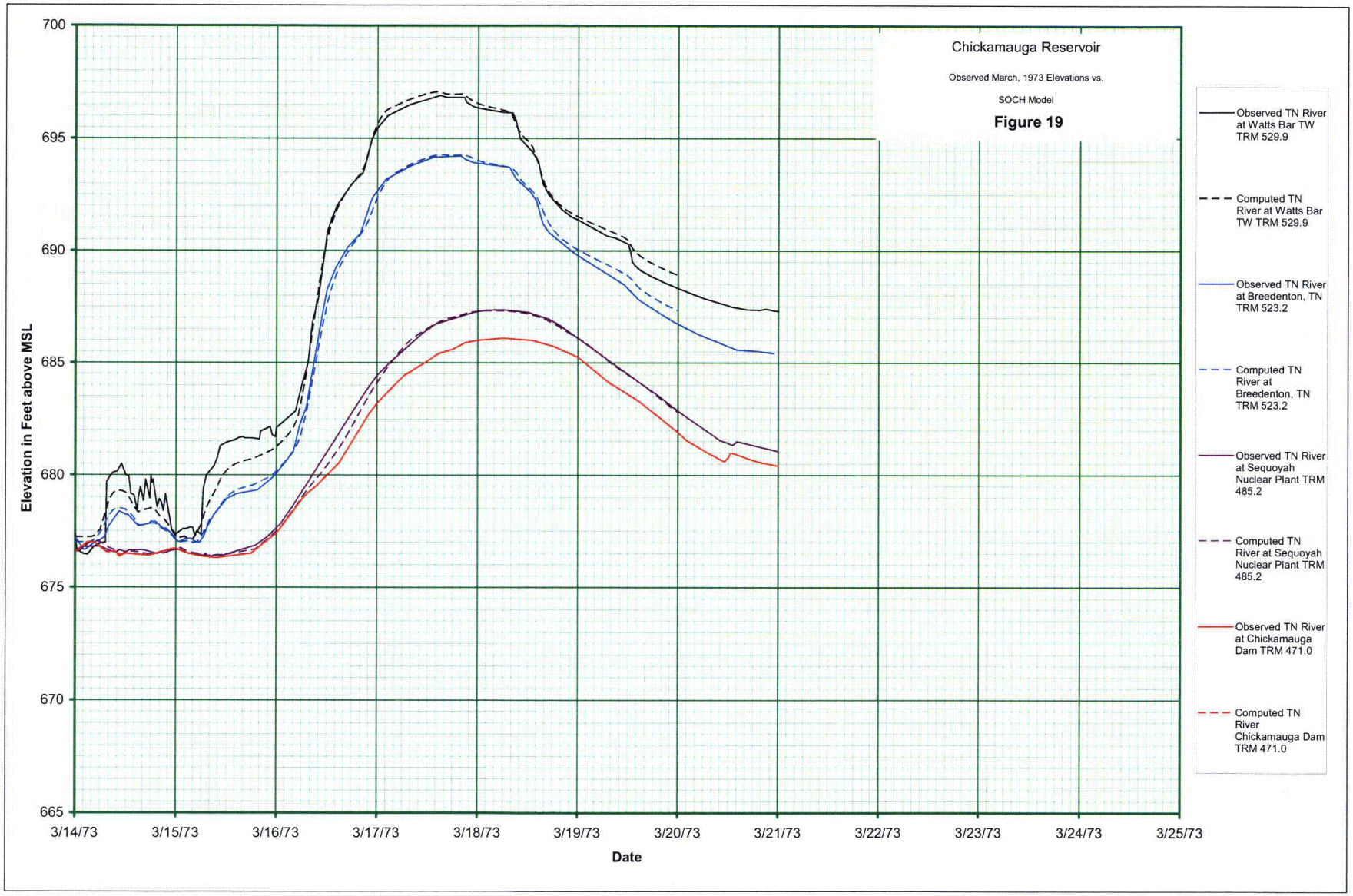
The calibrated SOCH model was run under unsteady conditions and compared to the observed 1973 flood (results in Appendix A) at four gage locations. The modeled peak flood elevations were less than one foot of the observed peak elevation at all gage locations and were at or conservatively above the observed elevations (Figure 19). A comparison of the observed discharge to the computed discharge at Chickamauga, River Mile 471, is shown in Figure 20. A comparison of the computed elevations in the Hiwassee River at HRM 18.9 to the observed elevations at the gage at Charleston is shown in Figure 21.

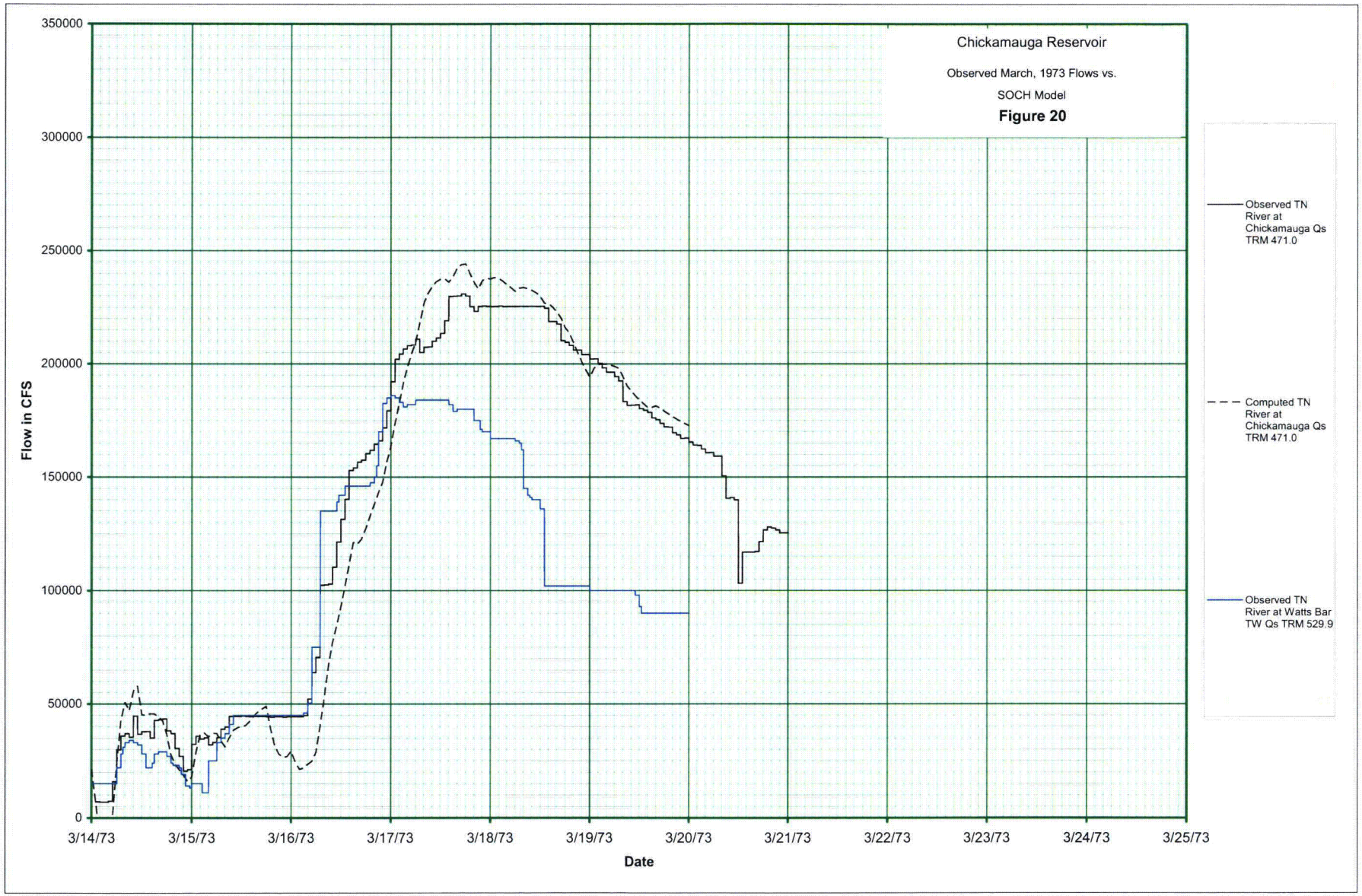
6.4.2 SOCH 2003 Flood Event Simulation

The calibrated SOCH model was run under unsteady conditions and compared to the observed 2003 flood (results in Appendix A) at three gage locations. The modeled peak flood elevations were conservatively above the observed elevations at each gage station, less than one foot at River Mile 484.7, and within 1.5 feet of the peak elevation at River Mile 529.9 (Figure 22). A comparison of the observed discharge to the computed discharge at Chickamauga, River Mile 471.0 is shown in Figure 23. A comparison of the computed elevations in the Hiwassee River at HRM 18.9 to the observed elevations at the gage at Charleston is shown in Figure 24.

6.5 Validation of Local Inflows Developed from Unit Hydrographs (Basins 44B and 45)

The local inflows to Chickamauga Reservoir computed using unit hydrographs and storm rainfall for basins 44B and 45 (Reference 2.7), when combined with the observed data for the floods, reproduce the observed elevations at gage locations along the reservoir as shown in Figures 19 and 22 for the 1973 and 2003 floods respectively. It is thus concluded that use of these local inflows in combination with the observed data (Watts Bar observed discharge and tailwater elevation, Chickamauga observed discharge and headwater elevation, and the Hiwassee River observed discharge) confirms the SOCH model's replication of these events. As a result, the unit hydrographs developed for basins 44B and 45 have been indirectly validated by this study and are adequate for use in developing local inflows for other events including the PMF for the TVA Nuclear Plant sites.


Chickamauga Reservoir
Observed March, 1973 Elevations vs.
SOCH Model
Figure 19
Elevation in Feet above MSL
700
695
690
685
680
675
670
665
3/14/73
3/15/73
3/16/73
3/17/73
3/18/73
3/19/73
3/20/73
3/21/73
3/22/73
3/23/73
3/24/73
3/25/73
Date
Observed TN River at Watts Bar TW TRM 529.9
Computed TN River at Watts Bar TW TRM 529.9
Observed TN River at Breedenton, TN TRM 523.2
Computed TN River at Breedenton, TN TRM 523.2
Observed TN River at Sequoyah Nuclear Plant TRM 485.2
Computed TN River at Sequoyah Nuclear Plant TRM 485.2
Observed TN River at Chickamauga Dam TRM 471.0
Computed TN River Chickamauga Dam TRM 471.0



TVA

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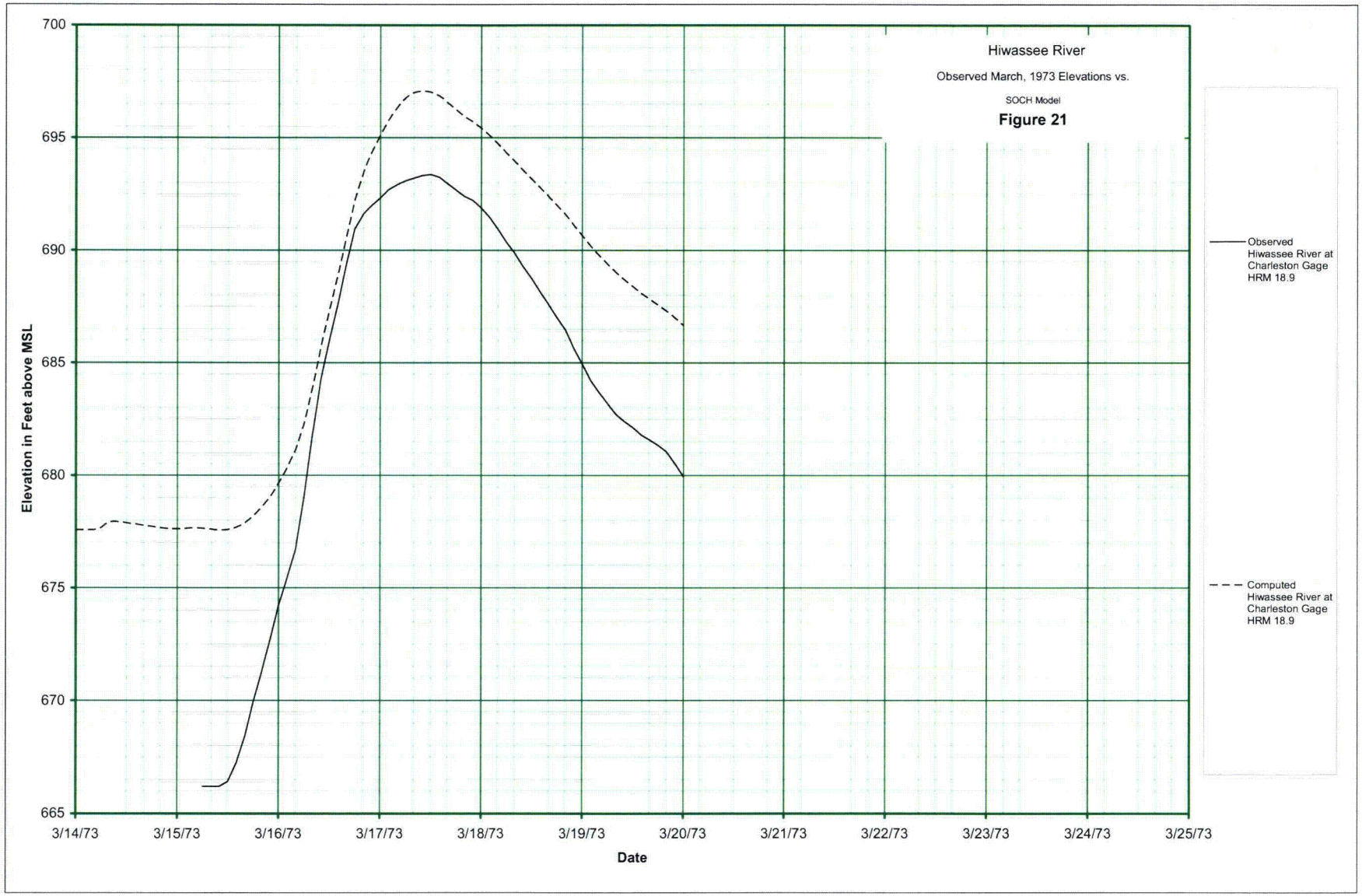
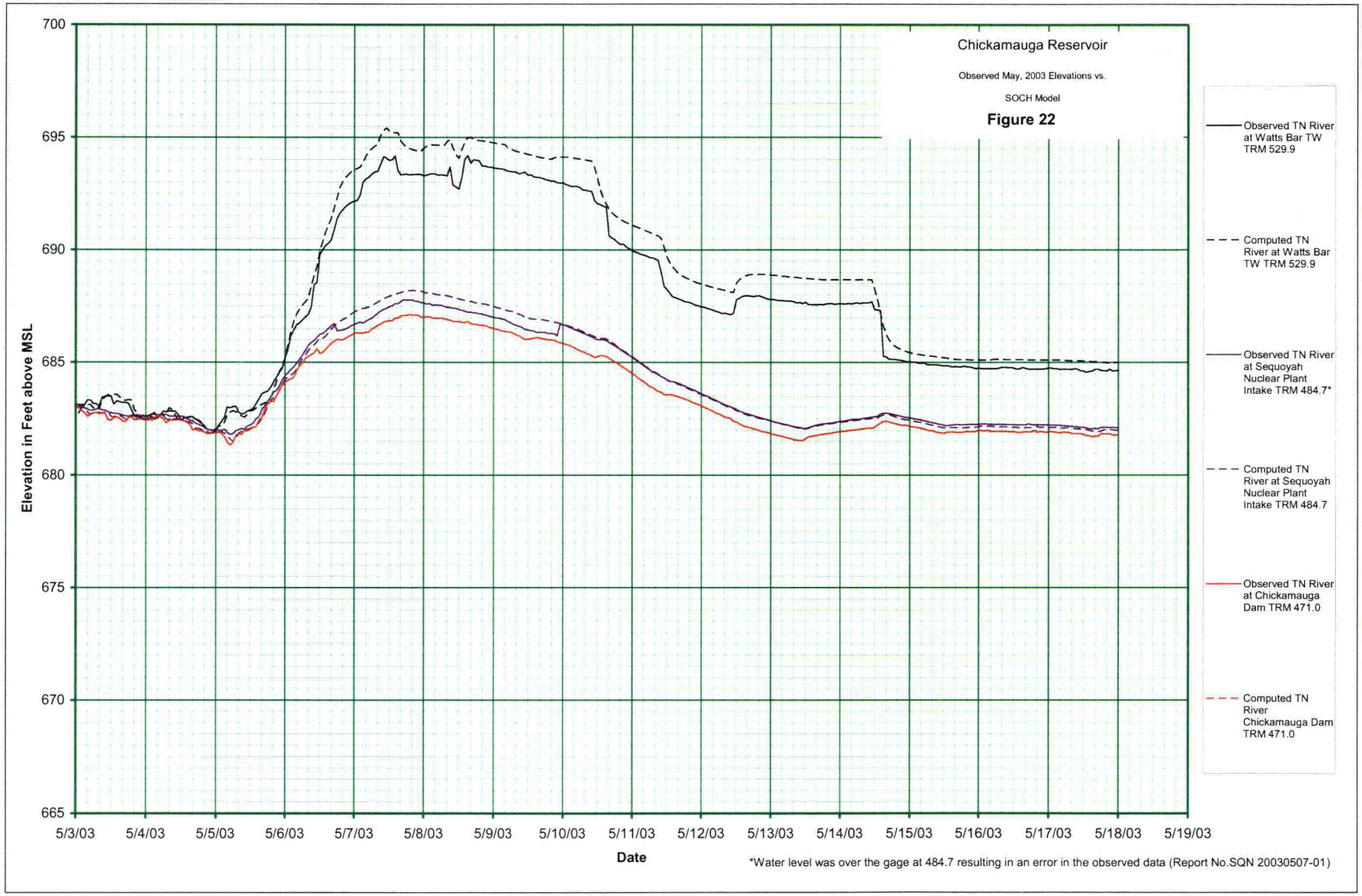
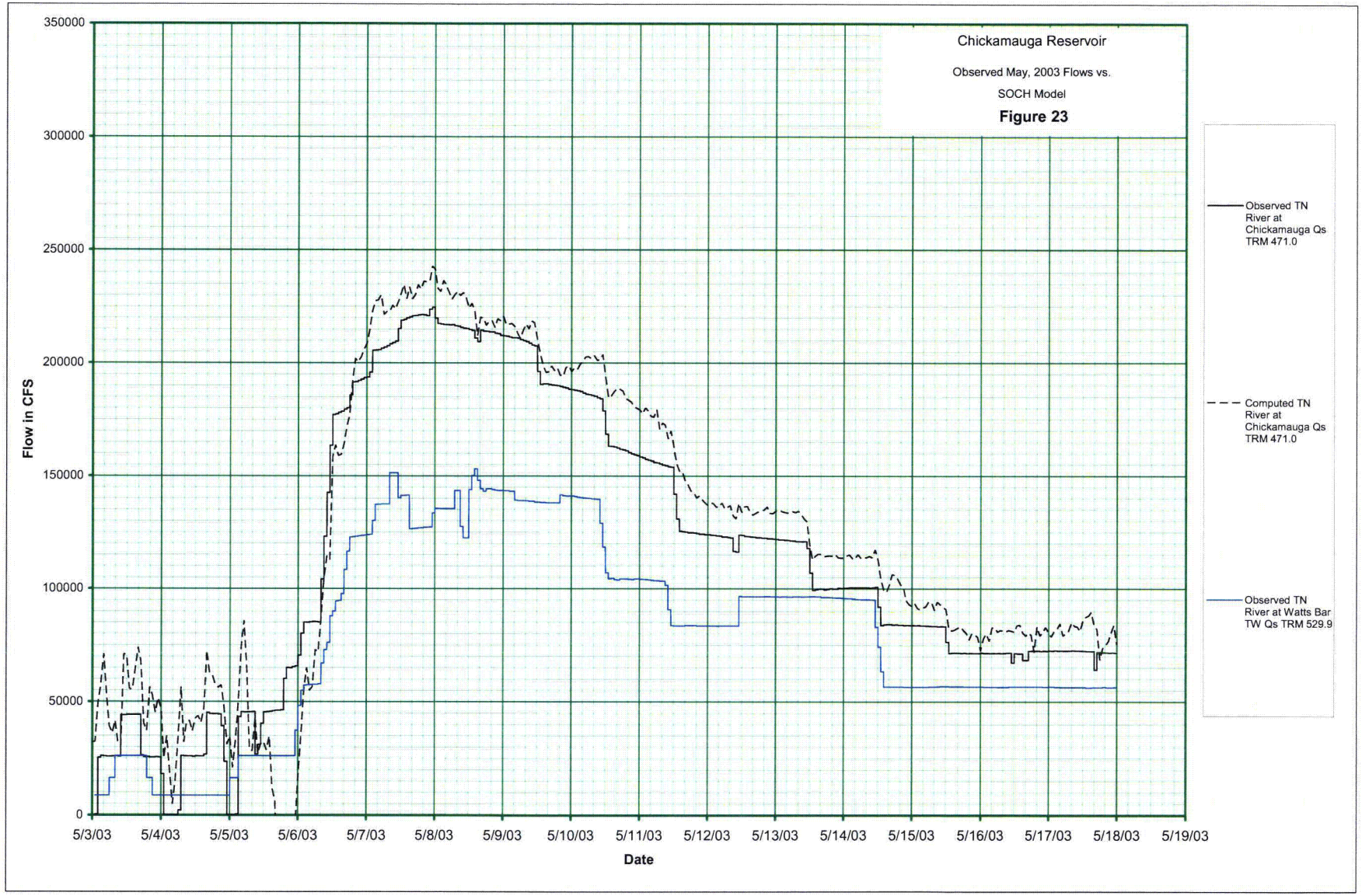
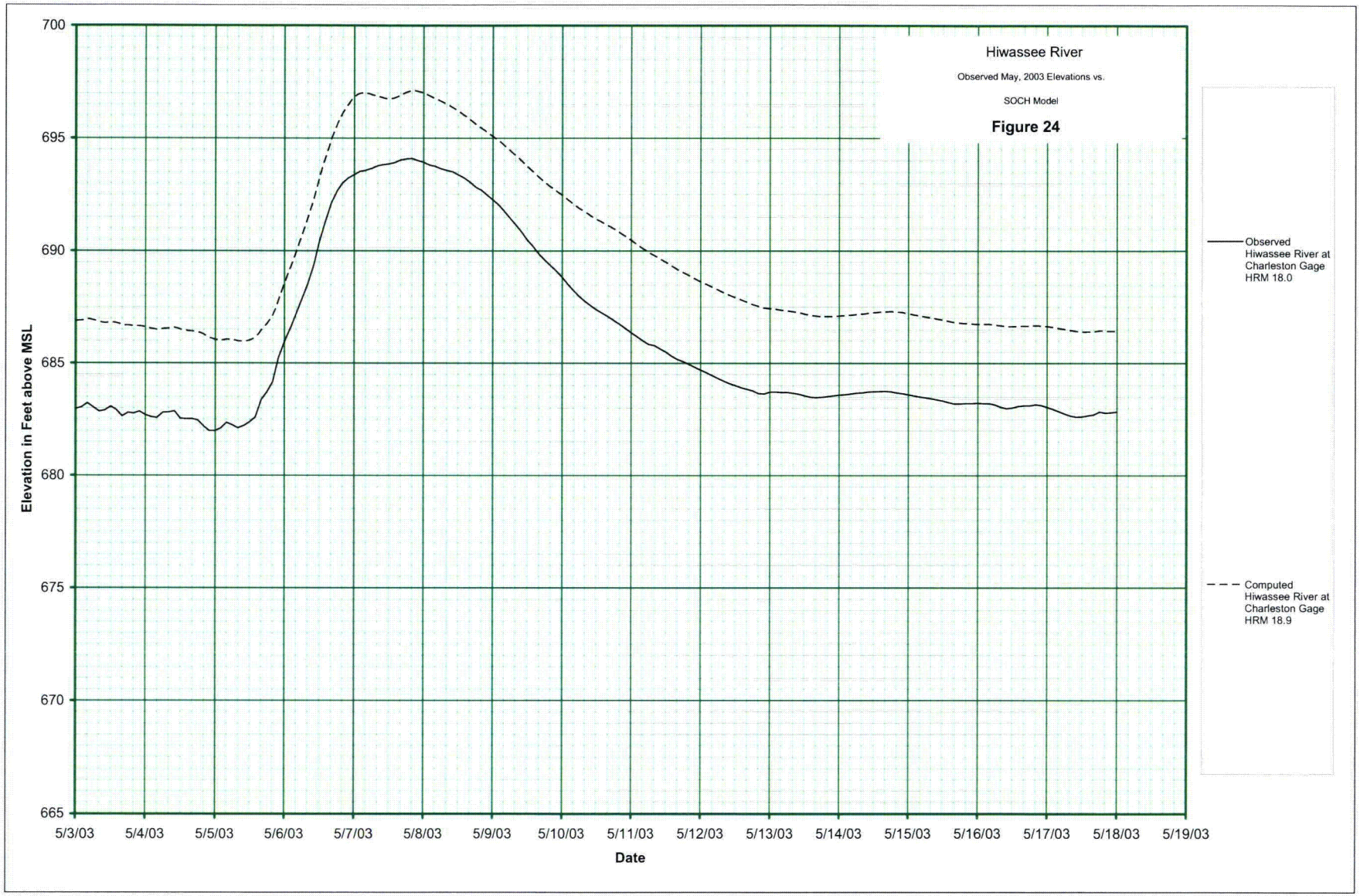
Subject: SOCH Model Calibration, Chickamauga		Prepped	JTS
		Checked	WBB


Hiwassee River
Observed March, 1973 Elevations vs.
SOCH Model
Figure 21
Elevation in Feet above MSL
700
695
690
685
680
675
670
665
3/14/73
3/15/73
3/16/73
3/17/73
3/18/73
3/19/73
3/20/73
3/21/73
3/22/73
3/23/73
3/24/73
3/25/73
Date
Observed Hiwassee River at Charleston Gage HRM 18.9
Computed Hiwassee River at Charleston Gage HRM 18.9



*Water level was over the gage at 484.7 resulting in an error in the observed data (Report No.SQN 20030507-01)


Chickamauga Reservoir
Observed May, 2003 Flows vs.
SOCH Model
Figure 23
Flow in CFS
350000
300000
250000
200000
150000
100000
50000
0
5/3/03
5/4/03
5/5/03
5/6/03
5/7/03
5/8/03
5/9/03
5/10/03
5/11/03
5/12/03
5/13/03
5/14/03
5/15/03
5/16/03
5/17/03
5/18/03
5/19/03
Date
Observed TN River at Chickamauga Qs TRM 471.0
Computed TN River at Chickamauga Qs TRM 471.0
Observed TN River at Watts Bar TW Qs TRM 529.9



TVA

Calculation No. CDQ000020080039	Rev: 0	Plant: GEN	Page: 69
Subject: SOCH Model Calibration, Chickamauga		Prepped	JTS
		Checked	WBB

7. Results/Conclusions

This calibration process provided model results that reproduced the historic floods (1973 and 2003) to within one foot of the peak elevation at all gage stations during the 1973 flood and to within 1.5 feet of the peak elevation at all gage stations during the 2003 flood. The SOCH model accurately replicated observed elevations and discharges for two large historic flood events. Because the model accurately replicated two historic floods that occurred 30 years apart it is shown that the SOCH model performs well in predicting flood elevations and discharges. The SOCH model can thus be used to reliably predict flood elevations and discharges for events of other magnitudes and is adequate for use in predicting flood elevations and discharges for the PMF.

A verification of the time-step was conducted as described in Section 4 of Reference 2.9. A 50-second time-step was the longest stable time-step. The results using a 5-second time-step were comparable to the results using a 50-second time-step so the 5-second time-step is acceptable.

The local inflows to Chickamauga Reservoir for basins 44B and 45, when combined with observed flood data, reproduced the observed flood elevations. The unit hydrographs developed for basins 44B and 45 have therefore been validated and are adequate for use in developing flood inflows for other events. When using inflows developed from the unit hydrographs, the inflows for basin 45 should be evenly distributed from TRM 529.90 to 471.00. The inflow calculated from rain on the reservoir should be evenly distributed from TRM 529.90 to 471.10. The inflows for basin 44B should be evenly distributed from Hiwassee RM 18.90 to 1.73.

The final Manning's *n* values for the SOCH model for Chickamauga Reservoir, Tennessee River Miles 529.90 to 471.0, determined by this calibration process are provided in Table 27. The final calibrated SOCH geometry file is named "ChickamaugaRev1.1.geo" and is included in Appendix A. The final Manning's *n* values for the SOCH model for the Hiwassee River Miles 18.9 to 1.73 determined by this calibration process are provided in Table 28. The final calibrated SOCH geometry file is named "HiwasseeRev1.1.geo" and is included in Appendix A. The final Manning's *n* values for the SOCH model for Dallas Bay are provided in Table 29. The final SOCH geometry file for Dallas Bay is named "DallasBayRev1.0.geo" and is included in Appendix A. The final Manning's *n* values and the "ChickamaugaRev1.1.geo," "HiwasseeRev1.1.geo," and DallasBayRev1.0.geo" files are to be used in the SOCH PMF determination. In conjunction with using "ChickamaugaRev1.1.geo" and "HiwasseeRev1.1.geo," interpolated sections should be computed internally within SOCH runs to be used as the even-numbered cross-sections.

Table 27. Final Manning's *n*, Chickamauga Reservoir

Tennessee River Mile	Final SOCH Manning's *n*	Tennessee River Mile	Final SOCH Manning's *n*
529.90	0.026	498.88*	0.022
528.85*	0.026	498.35	0.022
527.80	0.026	497.30*	0.022
526.75*	0.028	496.24	0.022
525.69	0.028	495.18*	0.022
524.64*	0.028	494.11	0.022
523.59	0.028	493.08*	0.022
522.54*	0.028	492.04	0.022
521.49	0.028	490.99*	0.022
520.44*	0.028	489.93	0.022
519.38	0.028	488.88*	0.022
518.33*	0.028	487.83	0.027
517.28	0.028	486.89*	0.027
516.23*	0.028	485.94	0.027
515.18	0.028	484.78*	0.027
514.13*	0.022	483.62	0.027
513.07	0.022	482.57*	0.027
512.02*	0.022	481.52	0.027
510.97	0.022	481.01*	0.027
509.92*	0.022	480.50	0.027
508.86	0.022	478.77*	0.027
507.78*	0.022	477.04	0.027
506.70	0.022	476.13*	0.027
505.68*	0.022	475.21	0.027
504.66	0.022	474.16*	0.027
503.61*	0.022	473.10	0.027
502.55	0.022	472.05*	0.027
500.98*	0.022	471.00	0.027
499.40	0.022		

*Interpolated Section in SOCH

Table 28. Final Manning's *n*, Hiwassee River

Hiwassee River Mile	Final SOCH Manning's *n*	Hiwassee River Mile	Final SOCH Manning's *n*
18.90	0.038	8.77*	0.036
18.56*	0.038	8.20	0.036
18.22	0.038	7.78*	0.036
17.88*	0.038	7.36	0.036
17.54	0.038	6.83*	0.036
17.14*	0.038	6.30	0.036
16.74	0.034	5.93*	0.036
16.35*	0.034	5.55	0.036
15.95	0.034	5.13*	0.036
15.63*	0.034	4.71	0.036
15.31	0.034	4.23*	0.036
14.98*	0.034	3.75	0.036
14.64	0.034	3.42*	0.036
14.16*	0.034	3.08	0.036
13.67	0.034	2.71*	0.036
11.75*	0.034	2.34	0.036
10.78	0.034	2.04*	0.036
10.06*	0.036	1.73	0.036
9.33	0.036		

*Interpolated Section in SOCH

Table 29. Final Manning's *n*, Dallas Bay

Dallas Bay River Mile	Final SOCH Manning's *n*
5.23	0.026
4.21	0.026
3.81	0.026
3.43	0.026
2.86	0.026

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Appendix_A_Final Manning's *n*, SOCH Geometry, and Calibration Graphs
with attachments:

Final_Mannings_n.xls
ChickamaugaRev1.1.geo
HiwasseeRev1.1.geo
DallasBayRev1.0.geo
ChickamaugaHEC_RAS_SteadyState_Profiles_071309.xls
HiwasseeHEC_RAS_Profiles_071609.xls
Chickamauga_HECRAS_SOCH_SS_Profiles 072109.xls
Hiwassee_HECRAS_SOCH_SS_Profiles 072109.xls
Chick_Observed vs SOCH Mar1973 Hydrographs 072109.xls
Chick_Observed vs SOCH May2003 Hydrographs 072109.xls

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Appendix_B_May 2003 Flood Flows, Hiwassee River
with attachments:

Flows_Hiwassee_at_Charleston_May2003.xls

Drainage Areas for Streams in the Tennessee River Basin

The "Incremental % of Reservoir Drainage" at each River Mile (RM) was used to develop the initial flow distribution used in the HEC-RAS steady-state flow model according to the increase in drainage area contributing flow at each cross section. Flows at Chickamauga Dam and Watts Bar Dam are listed in Reference 2.5. If these values are subtracted, the total flow contributed by the local watershed may be obtained. However, this local inflow must be distributed over the modeled reservoir in order to accurately model the reservoir. The method used for this distribution was based on the incremental increase in the published upstream watershed values. These drainage areas for the reservoir at a given RM are shown in the table below. The total upstream (US) drainage areas were published in Reference 2.1 and are shown on Page 2 of this Appendix C.

The "Incremental % of Reservoir Drainage" was calculated by the following steps:

1. The total upstream local drainage area ("US Drainage for Reservoir Only") for the given RM was determined by subtracting the total drainage area at RM 529.9 (the most upstream section) from the drainage area at the given RM. (e.g., Drainage for Reservoir at RM 494.7 = 20,380-17,310 = 3,070)

2. The cumulative local drainage area ("Total % of Reservoir Drainage") was calculated by dividing the "US Drainage for Reservoir Only" at the given RM by that at RM 471.0 (the most downstream section) (e.g., Total % of Reservoir Drainage at RM 494.7 = 3,070/3,480 = 0.8822 = 88.22%)

3. The local drainage area between two RMs ("Incremental % of Reservoir Drainage") was calculated by subtracting the "Total % of Reservoir Drainage" at the given RM from the calculated value at the next downstream RM. (e.g., Total % of Reservoir Drainage at RM 494.7 = 93.39%-88.22% = 5.17%)

The calculated results for Chickamauga Reservoir are shown in the following table:

River Mile	Description	Total US Drainage Area (sq.mi.)	US Drainage for Reservoir Only (sq.mi.)	Total % of Reservoir Drainage	Incremental % of Reservoir Drainage*
471	Chickamauga Dam	20,790	3,480	100.00%	0%
471.7		20,790	3,480	100.00%	0%
478.6		20,670	3,360	96.55%	3.45%
484.5		20,650	3,340	95.98%	0.57%
485.4		20,640	3,330	95.69%	0.29%
487.5		20,570	3,260	93.68%	2.01%
488.4		20,560	3,250	93.39%	0.29%
494.7		20,380	3,070	88.22%	5.17%
495		20,380	3,070	88.22%	0%
497.2		20,380	3,070	88.22%	0%
499.4		17,670	360	10.34%	77.87%
503.6		17,650	340	9.77%	0.57%
504.4		17,570	260	7.47%	2.30%
510.7		17,550	240	6.90%	0.57%
523.2		17,460	150	4.31%	2.59%
524.6		17,330	20	0.57%	3.74%
529.9	Watts Bar Dam	17,310	0	0%	0.57%

*Note: The sum of the Incremental % of Reservoir Drainage is 99.99%. This is caused by rounding of the value to one decimal place.

TABLE 1
DRAINAGE AREAS
TENNESSEE RIVER - MOUTH TO HEAD OF RIVER AT KNOXVILLE, TENNESSEE

Quad. Map No.	River Mile	Name of Stream	Location Reference	Drainage Area (Sq. Mi.)
68SW	305.0	Tennessee River	USGS stream gage at Decatur	26,900
68SW	308.4		Above Flint Creek	26,430
68SW	310.7		Former TVA stream gage at Limestone Creek	26,140
68SW	310.7		Above Limestone Creek	26,140
68SE	317.1		Former USGS stream gage at Bluff City	26,110
75SW	319.1	Tennessee River	Above Cotaco Creek	25,860
75SW	320.9		Former TVA stream gage at Triana below Indian Creek	25,850
75SW	321.0		Former TVA stream gage at Triana above Indian Creek	25,660
75SW	326.1		Former TVA stream gage at Lewis Bluff	25,650
75SE	332.8		Former TVA stream gage at Burdine Bar	25,610
75SE	333.3	Tennessee River	USGS stream gage at Whitesburg (measuring section 0.5 mile below gage)	25,610
75SE	337.0		Former TVA stream gage at head of Hobbs Island	25,530
75SE	339.1		Above Flint River	24,960
83NW	343.2		Above Paint Rock River	24,490
83NW	349.0		Guntersville Dam	24,450
83NE	353.9	Tennessee River	Former TVA stream gage at Guntersville site "E"	24,410
83NE	355.7		Former TVA stream gage at Beards Reef	24,340
83SE	358.0		TVA stream gage at Guntersville	24,340
90NW	360.8		Above Town and Short Creeks	23,820
90NW	366.8		Former TVA stream gage at Gunters Landing	23,800
89SW	371.3	Tennessee River	Former TVA stream gage at Boshart Creek	23,780
89SW	372.5		Above South Sauty Creek	23,600
96NW	385.1		Former TVA stream gage at Chisenhalls Bar	23,430
96NW	385.8		TVA stream gage near Scottsboro	23,430
96NW	394.2		Former TVA stream gage at Mud Creek	23,330
95SE	401.2	Tennessee River	Above Crow Creek	22,830
95NE	407.6		Former USWB stream gage at Widows Bar	22,820
95NE	407.6		USGS stream gage at Widows Bar	22,820
101NW	410.0		3.0 miles south of Bridgeport, Alabama	22,770
101NW	412.1		At Reese Ferry below Bridgeport	22,680
101NW	414.4	Tennessee River	Former USWB stream gage at Bridgeport, Alabama	22,670
101NW	416.5		Tennessee-Alabama state line	22,650
100SW	418.1		USGS gage at South Pittsburg	22,640
100SW	418.7		Above Battle Creek	22,470
100SW	421		Across Burns Island 3 miles NE of South Pittsburg	22,460
100SW	422.7	Tennessee River	Above Sequatchie River	21,870
100SE	424.7		At Nickajack Dam 6 miles below Hales Bar	21,870
101NE	425.8		Former TVA stream gage at Shellmound	21,830
100SE	429.7		Former USGS stream gage at U. S. Hwys 41, 64, 72 bridge below Hales Bar Dam	21,800
100SE	431.1		Hales Bar Dam (abandoned and removed)	21,790
105SW	444.6	Tennessee River	TVA stream gage above Kellys Ferry	21,730
105SE	453.5		TVA stream gage at Shoal Creek	21,690
105SE	459.8		Above Lookout Creek	21,480
105SE	460.7		Above Chattanooga Creek	21,400
105SE	464.2		USWB stream gage at Chattanooga (Walnut Street)	21,400
105SE	465.5	Tennessee River	USGS stream gage at Citico Bar	21,390
105SE	467.6		USGS stream gage at Meadow Lake	21,390
105SE	467.9		Former TVA stream gage at Sherman Hill	21,390
105SE	468.2		Above South Chickamauga Creek	20,920
112SW	470.7		Former USGS stream gage at Southern Ry. bridge	20,920
112SW	470.8	Tennessee River	Above North Chickamauga Creek	20,790
112SW	471.0		Chickamauga Dam	20,790
112SW	471.7		Former TVA stream gage at Chickamauga Dam site	20,790
112NW	478.6		Above Wolftever Creek	20,670
112NE	484.5		Sequoyah Nuclear Steam Plant	20,650
112NE	485.4	Tennessee River	Former TVA stream gage at U. S. Quarry	20,640
111SE	487.5		Above Soddy Creek	20,570
111SE	488.4		Former TVA stream gage near Birchwood	20,560
111SE	494.7		Above Sale Creek	20,380
111SE	495.0		Former TVA stream gage 0.2 mile above Sale Creek	20,380
111NE	497.2	Tennessee River	TVA stream gage at Doughtys Ferry	20,380
111NE	499.4		Above Hiwassee River	17,670
119NW	503.6		Former TVA stream gage at Armstrong Ferry	17,650
119NW	504.4		Above Richland Creek	17,570
119NW	510.7		Former TVA stream gage at Kelly Shoals	17,550
118SE	523.2	Tennessee River	TVA stream gage at Breedenton	17,460
118SE	524.6		Above Sewee Creek	17,330
118SE	529.9		Watts Bar Dam	17,310
118SE	530.2		Former TVA stream gage at Watts Bar Dam site	17,310
118NE	532.3		Above Piney River	17,160

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Appendix_D_SOCH Input Files, Steady-State
with attachments:

CharlestonGage100Kto1300K.bnd
Chickamauga_Calibrate_100Kto1300K.dat
Hiwassee_Calibrate_100Kto1300K.dat
WattsBar100Kto1300K.bnd

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Appendix_E_SOCH Input Files, March 1973 Flood
with attachments:

Chickamauga_Calibrate_Mar1973.dat
Chickamauga_Calibrate_Mar1973.bnd
Mar1973LocalInflowHydrograph_Chickamauga.loc

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Appendix_F_ SOCH Input Files, May 2003 Flood
with attachments:

Chickamauga_Calibrate_May2003.dat
Chickamauga_Calibrate_May2003.bnd
May2003LocalInflowHydrograph_Chickamauga.loc

CDQ000020080039 Rev 0

Appendix_G_SOCH Output File, Steady-State
with attachments:

Chickamauga_Calibrate_100Kto1300K.out
Hiwassee_Calibrate_100Kto1300K.out

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Appendix_H_ SOCH Output Files, March 1973
with attachments:

Chickamauga_Calibrate_Mar1973.out
Chickamauga_Calibrate_Mar1973.prt

CDQ000020080039 Rev 0
Appendix_I_ SOCH Output Files, May 2003
with attachments:

Chickamauga_Calibrate_May2003.out
Chickamauga_Calibrate_May2003.prt

CDQ000020080039 Rev 0

Appendix_J_Calibrated Steady-State HEC-RAS Model
with attachments:

Chickamauga100K.f01
Chickamauga100K.f02
Chickamauga100K.f03
Chickamauga100K.g01
Chickamauga100K.p01
Chickamauga100K.p02
Chickamauga100K.p03
Chickamauga100K.prj
Hiwassee.f01
Hiwassee.f02
Hiwassee.g01
Hiwassee.p01
Hiwassee.p02
Hiwassee.prj

CDQ000020080039 Rev 0

Appendix_K_CONVEY Files and SOCH Geometry Files
with attachments:

Chickamauga100K.g01
Chickamauga CONVEY 20090721.dat
Chickamauga CONVEY 20090721.out
Chickamauga CONVEY 20090721.prt
Chickamauga CONVEY 20090721.xls
Chickamauga Merge 20090721.xls
ChickamaugaRev1.0.geo
ChickDallasBay.g02
Dallas Bay CONVEY 20090629.dat
Dallas Bay CONVEY 20090629.out
Dallas Bay CONVEY 20090629.prt
Dallas Bay CONVEY 20090629.xls
DallasBayRev1.0.geo
HiwasseeRev1.0.geo
Hiwassee CONVEY 20090721.dat
Hiwassee CONVEY 20090721.out
Hiwassee CONVEY 20090721.prt
Hiwassee CONVEY 20090721.xls
Hiwassee.g01

CDQ000020080039 Rev 0

Attachment_01_Initial Geometry Files
with attachments:

Chickamauga20090520.g01
Chickamauga20090625.geo
Chickamauga CONVEY 20090528.xls
Chickamauga Merge 20090625.xls
ChickDallasBay20090423.g01
Dallas Bay CONVEY 20090602.xls
DallasBay20090625.geo
Hiwassee20090625.geo
Hiwassee20090409.g01
Hiwassee CONVEY 20090512.xls

CHAPTER 2

Theoretical Basis for One-Dimensional Flow Calculations

This chapter describes the methodologies used in performing the one-dimensional flow calculations within HEC-RAS. The basic equations are presented along with discussions of the various terms. Solution schemes for the various equations are described. Discussions are provided as to how the equations should be applied, as well as applicable limitations.

Contents

- General
- Steady Flow Water Surface Profiles
- Unsteady Flow Routing

General

This chapter describes the theoretical basis for one-dimensional water surface profile calculations. Discussions contained in this chapter are limited to steady flow water surface profile calculations and unsteady flow routing. When sediment transport calculations are added to the HEC-RAS system, discussions concerning this topic will be included in this manual.

Steady Flow Water Surface Profiles

HEC-RAS is currently capable of performing one-dimensional water surface profile calculations for steady gradually varied flow in natural or constructed channels. Subcritical, supercritical, and mixed flow regime water surface profiles can be calculated. Topics discussed in this section include: equations for basic profile calculations; cross section subdivision for conveyance calculations; composite Manning's n for the main channel; velocity weighting coefficient alpha; friction loss evaluation; contraction and expansion losses; computational procedure; critical depth determination; applications of the momentum equation; and limitations of the steady flow model.

Equations for Basic Profile Calculations

Water surface profiles are computed from one cross section to the next by solving the Energy equation with an iterative procedure called the standard step method. The Energy equation is written as follows:

$$Y_2 + Z_2 + \frac{\alpha_2 V_2^2}{2g} = Y_1 + Z_1 + \frac{\alpha_1 V_1^2}{2g} + h_e \qquad (2\text{-}1)$$

Where: Y_1, Y_2 = depth of water at cross sections

Z_1, Z_2 = elevation of the main channel inverts

V_1, V_2 = average velocities (total discharge/ total flow area)

α_1, α_2 = velocity weighting coefficients

g = gravitational acceleration

h_e = energy head loss

A diagram showing the terms of the energy equation is shown in Figure 2-1.

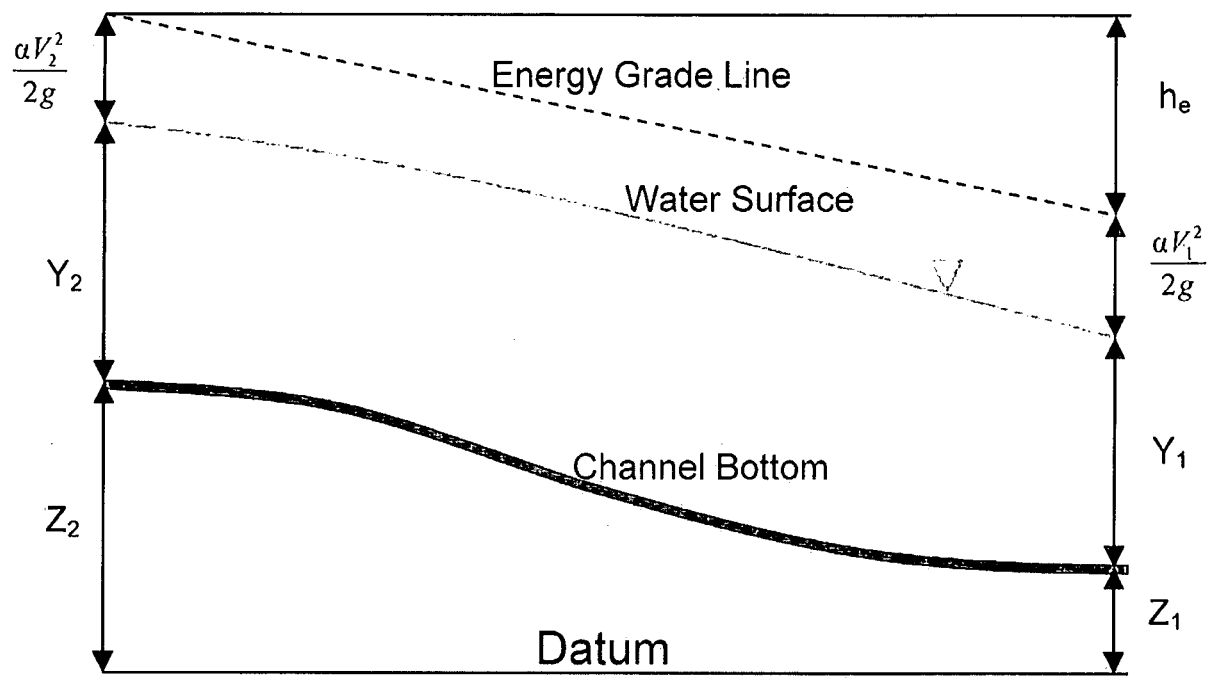


Figure 2.1 Representation of Terms in the Energy Equation

The energy head loss (h_e) between two cross sections is comprised of friction losses and contraction or expansion losses. The equation for the energy head loss is as follows:

$$h_e = L\bar{S}_f + C\left|\frac{\alpha_2 V_2^2}{2g} - \frac{\alpha_1 V_1^2}{2g}\right| \tag{2-2}$$

Where: L = discharge weighted reach length

$\bar{S}_f$ = representative friction slope between two sections

C = expansion or contraction loss coefficient

The distance weighted reach length, L, is calculated as:

$$L = \frac{L_{lob}\,\overline{Q}_{lob} + L_{ch}\,\overline{Q}_{ch} + L_{rob}\,\overline{Q}_{rob}}{\overline{Q}_{lob} + \overline{Q}_{ch} + \overline{Q}_{rob}} \tag{2-3}$$

where: L_{lob}, L_{ch}, L_{rob} = cross section reach lengths specified for flow in the left overbank, main channel, and right overbank, respectively

$\overline{Q}_{lob}, \overline{Q}_{ch}, \overline{Q}_{rob}$ = arithmetic average of the flows between sections for the left overbank, main channel, and right overbank, respectively

Cross Section Subdivision for Conveyance Calculations

The determination of total conveyance and the velocity coefficient for a cross section requires that flow be subdivided into units for which the velocity is uniformly distributed. The approach used in HEC-RAS is to subdivide flow in the **overbank** areas using the input cross section n-value break points (locations where n-values change) as the basis for subdivision (Figure 2-2). Conveyance is calculated within each subdivision from the following form of Manning's equation (based on English units):

$$Q = K\,S_f^{1/2} \tag{2-4}$$

$$K = \frac{1.486}{n}\,A\,R^{2/3} \tag{2-5}$$

where: K = conveyance for subdivision

n = Manning's roughness coefficient for subdivision

A = flow area for subdivision

R = hydraulic radius for subdivision (area / wetted perimeter)

The program sums up all the incremental conveyances in the overbanks to obtain a conveyance for the left overbank and the right overbank. The main channel conveyance is normally computed as a single conveyance element. The total conveyance for the cross section is obtained by summing the three subdivision conveyances (left, channel, and right).

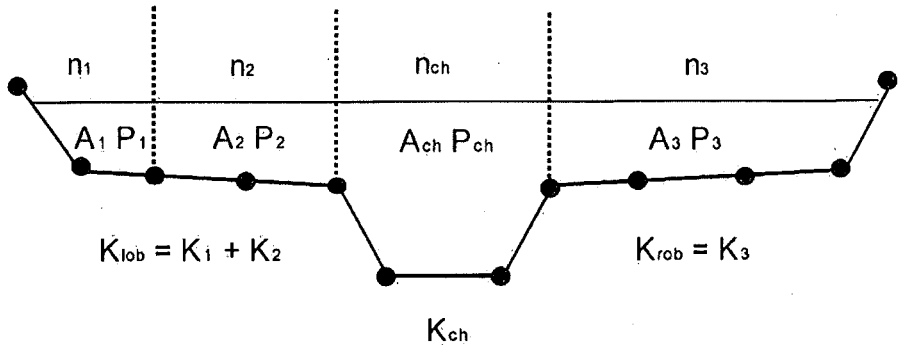


Figure 2.2 HEC-RAS Default Conveyance Subdivision Method

An alternative method available in HEC-RAS is to calculate conveyance between every coordinate point in the overbanks (Figure 2.3). The conveyance is then summed to get the total left overbank and right overbank values. This method is used in the Corps HEC-2 program. The method has been retained as an option within HEC-RAS in order to reproduce studies that were originally developed with HEC-2.

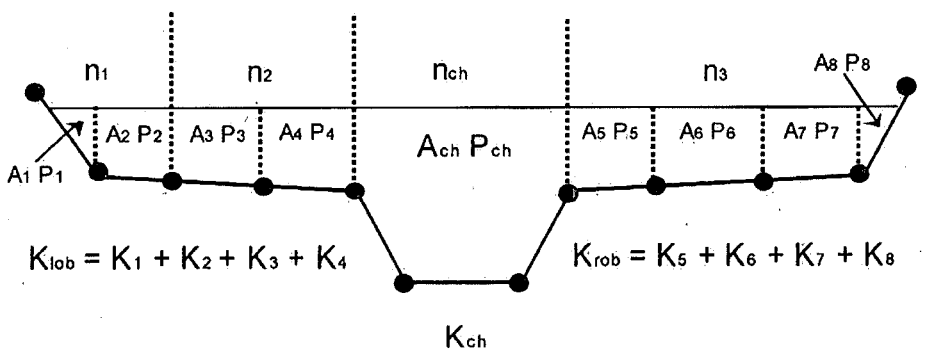


Figure 2.3 Alternative Conveyance Subdivision Method (HEC-2 style)

The two methods for computing conveyance will produce different answers whenever portions on the overbank have ground sections with significant vertical slopes. In general, the HEC-RAS default approach will provide a lower total conveyance for the same water surface elevation.

In order to test the significance of the two ways of computing conveyance, comparisons were performed using 97 data sets from the HEC profile accuracy study (HEC, 1986). Water surface profiles were computed for the 1% chance event using the two methods for computing conveyance in HEC-RAS. The results of the study showed that the HEC-RAS default approach will generally produce a higher computed water surface elevation. Out of the 2048 cross section locations, 47.5% had computed water surface elevations within 0.10 ft. (30.48 mm), 71% within 0.20 ft. (60.96 mm), 94.4% within 0.4 ft. (121.92 mm), 99.4% within 1.0 ft. (304.8 mm), and one cross section had a difference of 2.75 ft. (0.84 m). Because the differences tend to be in the same direction, some effects can be attributed to propagation of downstream differences.

The results from the conveyance comparisons do not show which method is more accurate, they only show differences. In general, it is felt that the HEC-RAS default method is more commensurate with the Manning equation and the concept of separate flow elements. Further research, with observed water surface profiles, will be needed to make any conclusions about the accuracy of the two methods.

Composite Manning's n for the Main Channel

Flow in the **main channel** is not subdivided, except when the roughness coefficient is changed within the channel area. HEC-RAS tests the applicability of subdivision of roughness within the main channel portion of a cross section, and if it is not applicable, the program will compute a single composite n value for the entire main channel. The program determines if the main channel portion of the cross section can be subdivided or if a composite main channel n value will be utilized based on the following criterion: if a main channel side slope is steeper than 5H:1V and the main channel has more than one n-value, a composite roughness n_c will be computed [Equation 6-17, Chow, 1959]. The channel side slope used by HEC-RAS is defined as the horizontal distance between adjacent n-value stations within the main channel over the difference in elevation of these two stations (see S_L and S_R of Figure 2.4).

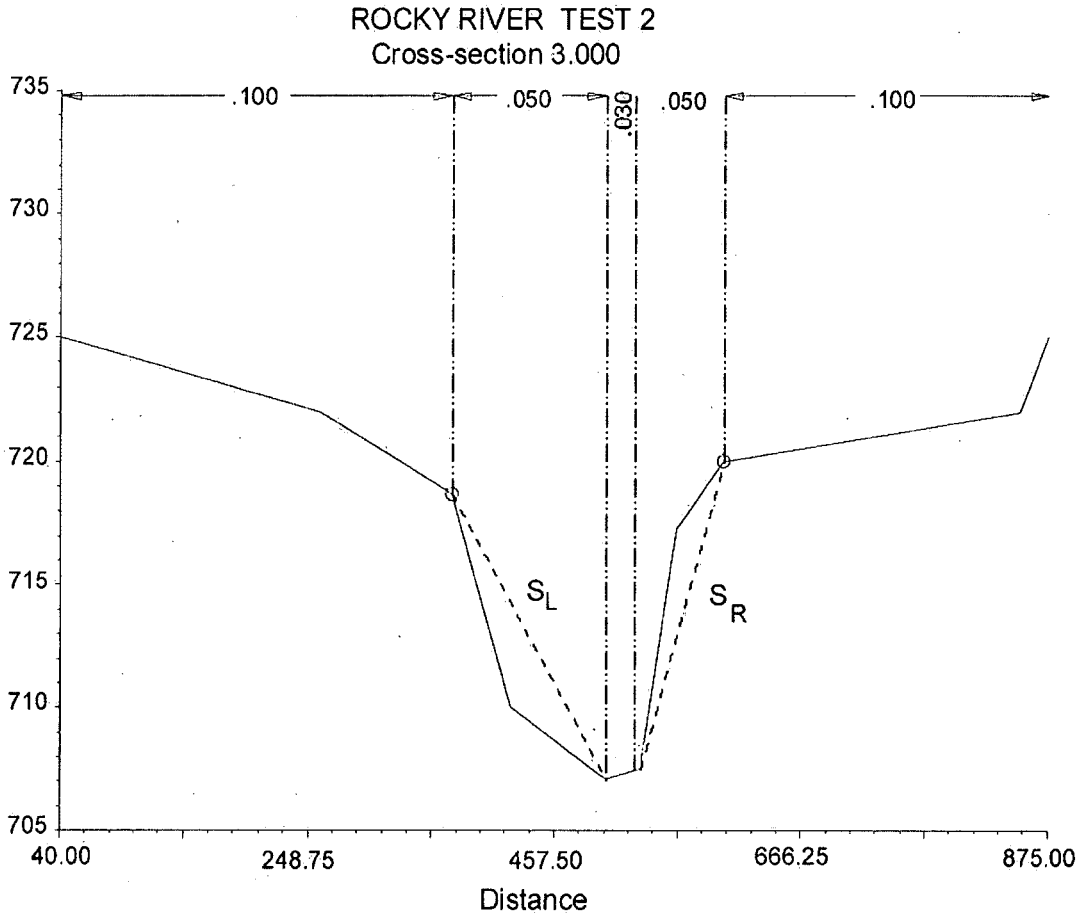


Figure 2.4 Definition of Bank Slope for Composite n_c Calculation

For the determination of n_c, the main channel is divided into N parts, each with a known wetted perimeter P_i and roughness coefficient n_i.

$$n_c = \left[\frac{\sum_{i=1}^{N} \left(P_i \, n_i^{1.5} \right)}{P} \right]^{2/3} \tag{2-6}$$

where: n_c = composite or equivalent coefficient of roughness

P = wetted perimeter of entire main channel

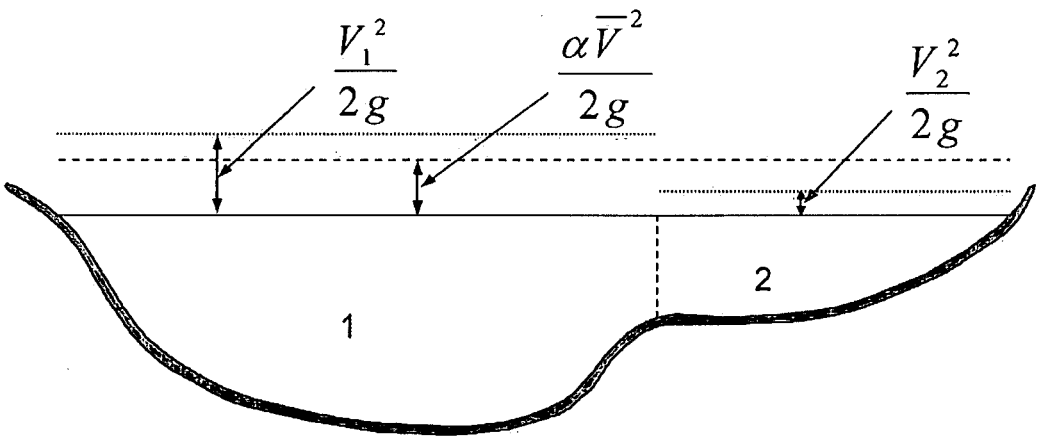
P_i = wetted perimeter of subdivision I

n_i = coefficient of roughness for subdivision I

The computed composite n_c should be checked for reasonableness. The computed value is the composite main channel n value in the output and summary tables.

Evaluation of the Mean Kinetic Energy Head

Because the HEC-RAS software is a one-dimensional water surface profiles program, only a single water surface and therefore a single mean energy are computed at each cross section. For a given water surface elevation, the mean energy is obtained by computing a flow weighted energy from the three subsections of a cross section (left overbank, main channel, and right overbank). Figure 2.5 below shows how the mean energy would be obtained for a cross section with a main channel and a right overbank (no left overbank area).



V_1 = mean velocity for subarea 1

V_2 = mean velocity for subarea 2

Figure 2.5 Example of How Mean Energy is Obtained

To compute the mean kinetic energy it is necessary to obtain the velocity head weighting coefficient alpha. Alpha is calculated as follows:

Mean Kinetic Energy Head = Discharge-Weighted Velocity Head

$$\alpha \frac{\overline{V}^2}{2g} = \frac{Q_1 \frac{V_1^2}{2g} + Q_2 \frac{V_2^2}{2g}}{Q_1 + Q_2} \tag{2-7}$$

$$\alpha = \frac{2g\left[Q_1 \frac{V_1^2}{2g} + Q_2 \frac{V_2^2}{2g}\right]}{(Q_1 + Q_2)\overline{V}^2} \tag{2-8}$$

$$\alpha = \frac{Q_1 V_1^2 + Q_2 V_2^2}{(Q_1 + Q_2)\overline{V}^2} \tag{2-9}$$

In General:

$$\alpha = \frac{\left[Q_1 V_1^2 + Q_2 V_2^2 + \ldots + Q_N V_N^2\right]}{Q\overline{V}^2} \tag{2-10}$$

The velocity coefficient, α, is computed based on the conveyance in the three flow elements: left overbank, right overbank, and channel. It can also be written in terms of conveyance and area as in the following equation:

$$\alpha = \frac{(A_t)^2\left[\frac{K_{lob}^3}{A_{lob}^2} + \frac{K_{ch}^3}{A_{ch}^2} + \frac{K_{rob}^3}{A_{rob}^2}\right]}{K_t^3} \tag{2-11}$$

Where: A_t = total flow area of cross section

A_{lob}, A_{ch}, A_{rob} = flow areas of left overbank, main channel and right overbank, respectively

K_t = total conveyance of cross section

K_{lob}, K_{ch}, K_{rob} = conveyances of left overbank, main channel and right overbank, respectively

Friction Loss Evaluation

Friction loss is evaluated in HEC-RAS as the product of $\overline{S}_f$ and L (Equation 2-2), where $\overline{S}_f$ is the representative friction slope for a reach and L is defined by Equation 2-3. The friction slope (slope of the energy gradeline) at each cross section is computed from Manning's equation as follows:

$$S_f = \left(\frac{Q}{K}\right)^2 \tag{2-12}$$

Alternative expressions for the representative reach friction slope ($\underline{S_f}$) in HEC-RAS are as follows:

Average Conveyance Equation

$$\overline{S}_f = \left(\frac{Q_1 + Q_2}{K_1 + K_2}\right)^2 \tag{2-13}$$

Average Friction Slope Equation

$$\overline{S}_f = \frac{S_{f1} + S_{f2}}{2} \tag{2-14}$$

Geometric Mean Friction Slope Equation

$$\overline{S}_f = \sqrt{S_{f1} \times S_{f2}} \tag{2-15}$$

Harmonic Mean Friction Slope Equation

$$\overline{S}_f = \frac{2\left(S_{f1} \times S_{f2}\right)}{S_{f1} + S_{f2}} \tag{2-16}$$

Equation 2-13 is the "default" equation used by the program; that is, it is used automatically unless a different equation is requested by input. The program also contains an option to select equations, depending on flow regime and profile type (e.g., S1, M1, etc.). Further discussion of the alternative methods for evaluating friction loss is contained in Chapter 4, "Overview of Optional Capabilities."

Contraction and Expansion Loss Evaluation

Contraction and expansion losses in HEC-RAS are evaluated by the following equation:

$$h_{ce} = C\left|\frac{\alpha_1 V_1^2}{2g} - \frac{\alpha_2 V_2^2}{2g}\right| \qquad (2\text{-}17)$$

Where: C = the contraction or expansion coefficient

The program assumes that a contraction is occurring whenever the velocity head downstream is greater than the velocity head upstream. Likewise, when the velocity head upstream is greater than the velocity head downstream, the program assumes that a flow expansion is occurring. Typical "C" values can be found in Chapter 3, "Basic Data Requirements."

Computation Procedure

The unknown water surface elevation at a cross section is determined by an iterative solution of Equations 2-1 and 2-2. The computational procedure is as follows:

1. Assume a water surface elevation at the upstream cross section (or downstream cross section if a supercritical profile is being calculated).

2. Based on the assumed water surface elevation, determine the corresponding total conveyance and velocity head.

3. With values from step 2, compute $\overline{S}_f$ and solve Equation 2-2 for h_e.

4. With values from steps 2 and 3, solve Equation 2-1 for WS_2.

5. Compare the computed value of WS_2 with the value assumed in step 1; repeat steps 1 through 5 until the values agree to within .01 feet (.003 m), or the user-defined tolerance.

The criterion used to assume water surface elevations in the iterative procedure varies from trial to trial. The first trial water surface is based on projecting the previous cross section's water depth onto the current cross section. The second trial water surface elevation is set to the assumed water surface elevation plus 70% of the error from the first trial (computed W.S. - assumed W.S.). In other words, W.S. new = W.S. assumed + 0.70 * (W.S. computed - W.S. assumed). The third and subsequent trials are generally based on a "Secant" method of projecting the rate of change of the difference between computed and assumed elevations for the previous two trials. The equation for the secant method is as follows:

$$WS_I = WS_{I-2} - Err_{I-2} * Err_Assum / Err_Diff \qquad (2\text{-}18)$$

Where: WS_I = the new assumed water surface

WS_{I-1} = the previous iteration's assumed water surface

WS_{I-2} = the assumed water surface from two trials previous

Err_{I-2} = the error from two trials previous (computed water surface minus assumed from the I-2 iteration)

Err_Assum = the difference in assumed water surfaces from the previous two trials. Err_Assum = WS_{I-2} - WS_{I-1}

Err_Diff = the assumed water surface minus the calculated water surface from the previous iteration (I-1), plus the error from two trials previous (Err_{I-2}). Err_Diff = WS_{I-1} - WS_Calc_{I-1} + Err_{I-2}

The change from one trial to the next is constrained to a maximum of 50 percent of the assumed depth from the previous trial. On occasion the secant method can fail if the value of Err_Diff becomes too small. If the Err_Diff is less than 1.0E-2, then the secant method is not used. When this occurs, the program computes a new guess by taking the average of the assumed and computed water surfaces from the previous iteration.

The program is constrained by a *maximum number of iterations* (the default is 20) for balancing the water surface. While the program is iterating, it keeps track of the water surface that produces the minimum amount of error between the assumed and computed values. This water surface is called the *minimum error water surface*. If the maximum number of iterations is reached before a balanced water surface is achieved, the program will then calculate critical depth (if this has not already been done). The program then checks to see if the error associated with the *minimum error water surface* is within a predefined tolerance (the default is 0.3 ft or 0.1 m). If the minimum error water surface has an associated error less than the predefined tolerance, and this water surface is on the correct side of critical depth, then the program will use this water surface as the final answer and set a warning message that it has done so. If the minimum error water surface has an associated error that is greater than the predefined tolerance, or it is on the wrong side of critical depth, the program will use critical depth as the final answer for the cross section and set a warning message that it has done so. The rationale for using the minimum error water surface is that it is probably a better answer than critical depth, as long as the above criteria are met. Both the minimum error water surface and critical depth are only used in this situation to allow the program to continue the solution of the water surface profile. Neither of these two answers are considered to be valid solutions, and therefore warning messages are issued when either is used. In general, when the program cannot balance the energy equation at a cross section, it is usually caused by an inadequate number of cross sections (cross sections spaced too far apart) or bad cross section data. Occasionally, this can occur because the program is

attempting to calculate a subcritical water surface when the flow regime is actually supercritical.

When a "balanced" water surface elevation has been obtained for a cross section, checks are made to ascertain that the elevation is on the "right" side of the critical water surface elevation (e.g., above the critical elevation if a subcritical profile has been requested by the user). If the balanced elevation is on the "wrong" side of the critical water surface elevation, critical depth is assumed for the cross section and a "warning" message to that effect is displayed by the program. The program user should be aware of critical depth assumptions and determine the reasons for their occurrence, because in many cases they result from reach lengths being too long or from misrepresentation of the effective flow areas of cross sections.

For a subcritical profile, a preliminary check for proper flow regime involves checking the Froude number. The program calculates the Froude number of the "balanced" water surface for both the main channel only and the entire cross section. If either of these two Froude numbers are greater than 0.94, then the program will check the flow regime by calculating a more accurate estimate of critical depth using the minimum specific energy method (this method is described in the next section). A Froude number of 0.94 is used instead of 1.0, because the calculation of Froude number in irregular channels is not accurate. Therefore, using a value of 0.94 is conservative, in that the program will calculate critical depth more often than it may need to.

For a supercritical profile, critical depth is automatically calculated for every cross section, which enables a direct comparison between balanced and critical elevations.

Critical Depth Determination

Critical depth for a cross section will be determined if any of the following conditions are satisfied:

(1) The supercritical flow regime has been specified.

(2) The calculation of critical depth has been requested by the user.

(3) This is an external boundary cross section and critical depth must be determined to ensure the user entered boundary condition is in the correct flow regime.

(4) The Froude number check for a subcritical profile indicates that critical depth needs to be determined to verify the flow regime associated with the balanced elevation.

(5) The program could not balance the energy equation within the

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Attachment_03_ Chickamauga Dam Headwater Rating Curve
with attachments:

*This sheet is from calculation CDQ000020080006

Spreadsheet Calculations - Old Lock .xls

CDQ000020080039 Rev 0

Attachment_04_ Watts Bar Tailwater Rating Curve.pdf
with attachments:

*This sheet is from calculation CDQ000020080020

Watts Bar Rating Curves.xls

CDQ000020080039 Rev 0
Attachment_05_ Chickamauga_Flows_&_Elevations_Mar1973.pdf
with attachments:

RFI_018_All_Chickamauga_Flows_&_Elevations_Mar1973_rev0.xls

CDQ000020080039 Rev 0

Attachment_06_Chickamauga_Flows_&_Elevations_May2003_rev0.xls.pdf
with attachments:

RFI_018_All_Chickamauga_Flows_&_Elevations_May2003_rev0.xls
(Note: Watts Bar Dam Discharge was revised 7/1/09 and provided in the file listed below.)

All_Watts_Bar_Flows_&_Elevations_May2003_rev1.xls

Attachment 7
Source: Reference 2.14

Calculation No: CDQ000020080039

HYDRAULIC DATA BRANCH
AUG 1 9 1974
File No.

1973

Water Resources Data for Tennessee

Part 1. Surface Water Records

Part 2. Water Quality Records

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Prepared in cooperation with the Tennessee Department of Conservation, Division of Water Resources; the Tennessee Valley Authority; and with other State, municipal, and Federal agencies

Attachment 7
Source: Reference 2.14

Calculation No: CDQ000020080039

03566000 Hiwassee River at Charleston, Tenn.

LOCATION.--Lat 35°17'16", long 84°45'07", Bradley County, at Hiwassee Packing Plant, on left bank 250 ft (80 m) upstream from Southern Railway bridge, 0.3 mile (0.5 km) upstream from bridge on U.S. Highway 11 at Charleston, and at mile 18.9 (30.4 km).

DRAINAGE AREA.--2,298 sq mi (5,952 sq km).

PERIOD OF RECORD.--November 1898 to April 1899, November 1899 to April 1903, October 1919 to January 1940, January 1963 to current year. Gage-height records collected at this station during the period December 1884 to December 1889 are contained in United States War Department Stages of Ohio River and Principal Tributaries, 1888-89, Part 1, and during period January 1890 to December 1943, are contained in reports of the U.S. Weather Bureau.

GAGE.--Water-stage recorder and deflection recorder. Datum of gage is 665.56 ft (202.863 m) above mean sea level. Prior to July 18, 1925, nonrecording gages; July 18, 1925, to Sept. 6, 1926, water-stage recorder at Southern Railway bridge, 250 ft (76.2 m) downstream at datum 1.50 ft (0.5 m) higher. Auxiliary nonrecording gages at several sites and datum used periodically.

AVERAGE DISCHARGE.--32 years, 4,780 cfs (135.4 cu m/s), 28.25 in/yr (718 mm/yr), unadjusted.

EXTREMES.--Current year: Maximum discharge, 57,000 cfs (1,610 cu m/s) Mar. 17, gage height, 29.39 ft (8.958 m); minimum daily, 2,520 cfs (71.4 cu m/s) Apr. 22; minimum gage height, 10.00 ft (3.048 m) Feb. 24.
Period of record: Maximum discharge, 57,000 cfs (1,610 cu m/s) Mar. 17, 1973, gage height, 29.39 ft (8.958 m); minimum, 260 cfs (7.36 cu m/s) Sept. 14, 1925, gage height, -1.28 ft (-0.390 m).
Maximum stage known, 34.0 ft (10.36 m), present datum, Mar. 31, 1886, discharge about 70,000 cfs (1,980 cu m/s).

REMARKS.--Records good. Some diversions above the station for industrial and municipal water supplies. Flow regulated by five reservoirs (see p. 132, and basic data releases for Georgia and North Carolina, 1973). Daily discharge figures computed using area as determined from a stage-area curve and velocity as determined from a deflection-velocity curve.

REVISIONS (WATER YEARS).--WSP 853: Drainage area. WSP 1436: 1902, 1922(M), 1928, 1936(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,600	4,250	5,460	10,400	6,450	5,800	6,000	5,340	13,800	4,520	5,240	4,190
2	5,180	4,230	5,700	10,200	6,970	4,140	5,800	4,500	9,150	4,910	5,700	3,800
3	4,500	4,580	5,170	10,600	6,860	4,820	5,400	4,710	8,900	5,120	5,730	4,120
4	4,000	4,380	5,260	9,730	6,690	4,790	4,800	4,800	7,330	5,120	5,260	4,490
5	7,420	3,530	5,510	9,300	6,440	5,330	4,000	4,660	6,710	5,400	4,670	4,330
6	7,110	3,970	5,650	7,670	6,430	5,230	4,200	4,590	8,690	5,360	4,770	4,460
7	5,340	4,600	6,860	6,860	6,460	4,610	5,000	4,510	13,600	4,660	4,960	4,860
8	4,350	5,620	5,610	6,670	7,090	4,570	6,000	4,610	12,500	4,300	4,690	4,720
9	4,390	5,580	6,080	6,990	8,580	4,570	5,800	5,260	8,890	4,590	4,710	3,220
10	4,250	5,210	8,920	6,800	9,010	4,380	5,600	5,650	6,910	4,910	4,850	4,470
11	4,210	4,800	12,000	7,050	8,810	4,590	5,400	5,450	6,640	5,200	4,500	4,490
12	4,220	4,900	9,760	6,230	8,140	6,690	5,400	5,430	6,500	5,100	3,910	4,670
13	4,220	4,560	8,350	6,730	8,660	5,840	5,400	5,210	6,970	5,050	4,660	4,680
14	4,020	5,450	8,070	5,980	8,600	5,500	5,000	4,730	6,740	4,450	5,500	5,530
15	3,630	5,580	9,300	5,630	8,500	6,320	4,500	4,510	8,210	4,490	4,700	4,560
16	4,200	5,440	11,000	6,010	8,000	31,000	3,800	4,470	8,520	5,250	4,460	4,010
17	4,180	4,980	9,290	5,960	7,000	54,000	3,500	4,140	9,530	6,070	4,530	4,330
18	4,570	5,000	8,620	5,860	6,600	38,000	3,300	4,140	11,100	5,950	4,340	5,090
19	4,610	5,310	8,100	6,610	6,200	21,000	3,200	3,990	7,870	5,790	3,770	4,980
20	4,990	7,360	9,960	6,940	6,100	14,000	3,700	4,100	7,530	5,280	3,930	4,740
21	4,490	5,270	12,200	6,870	6,040	9,000	3,500	5,080	6,350	5,130	4,970	4,790
22	4,520	5,580	14,900	7,460	6,270	8,600	2,520	5,630	6,160	4,970	4,740	4,200
23	4,520	5,720	13,500	7,740	5,740	8,200	2,870	4,890	5,460	4,930	4,850	4,040
24	4,550	5,820	11,900	7,300	5,820	7,800	3,520	6,790	5,050	5,130	5,540	4,390
25	4,490	5,440	11,500	7,120	6,080	8,000	3,530	9,190	5,300	4,980	4,730	4,740
26	4,520	5,080	10,500	7,170	5,030	7,800	3,420	8,740	5,870	5,690	4,170	4,720
27	4,320	5,450	10,800	7,240	5,560	7,600	11,800	9,350	5,590	12,100	4,260	4,710
28	4,340	5,290	10,700	7,240	6,110	7,000	12,500	20,000	5,530	9,580	4,500	4,710
29	4,380	5,550	10,100	7,080	------	7,200	9,940	37,000	5,500	5,750	4,750	4,330
30	4,210	5,670	10,100	7,220	------	6,000	7,380	28,000	4,830	5,160	4,730	4,490
31	4,410	------	9,830	6,650	------	6,400	------	16,100	------	5,540	4,820	------
TOTAL	143,740	154,200	280,700	227,310	194,240	318,780	156,780	245,570	231,730	170,480	146,940	134,860
MEAN	4,637	5,140	9,055	7,333	6,937	10,280	5,226	7,922	7,724	5,499	4,740	4,495
MAX	7,420	7,360	14,900	10,600	9,010	54,000	12,500	37,000	13,800	12,100	5,730	5,530
MIN	3,630	3,530	5,170	5,630	5,030	4,140	2,520	3,990	4,830	4,300	3,770	3,220

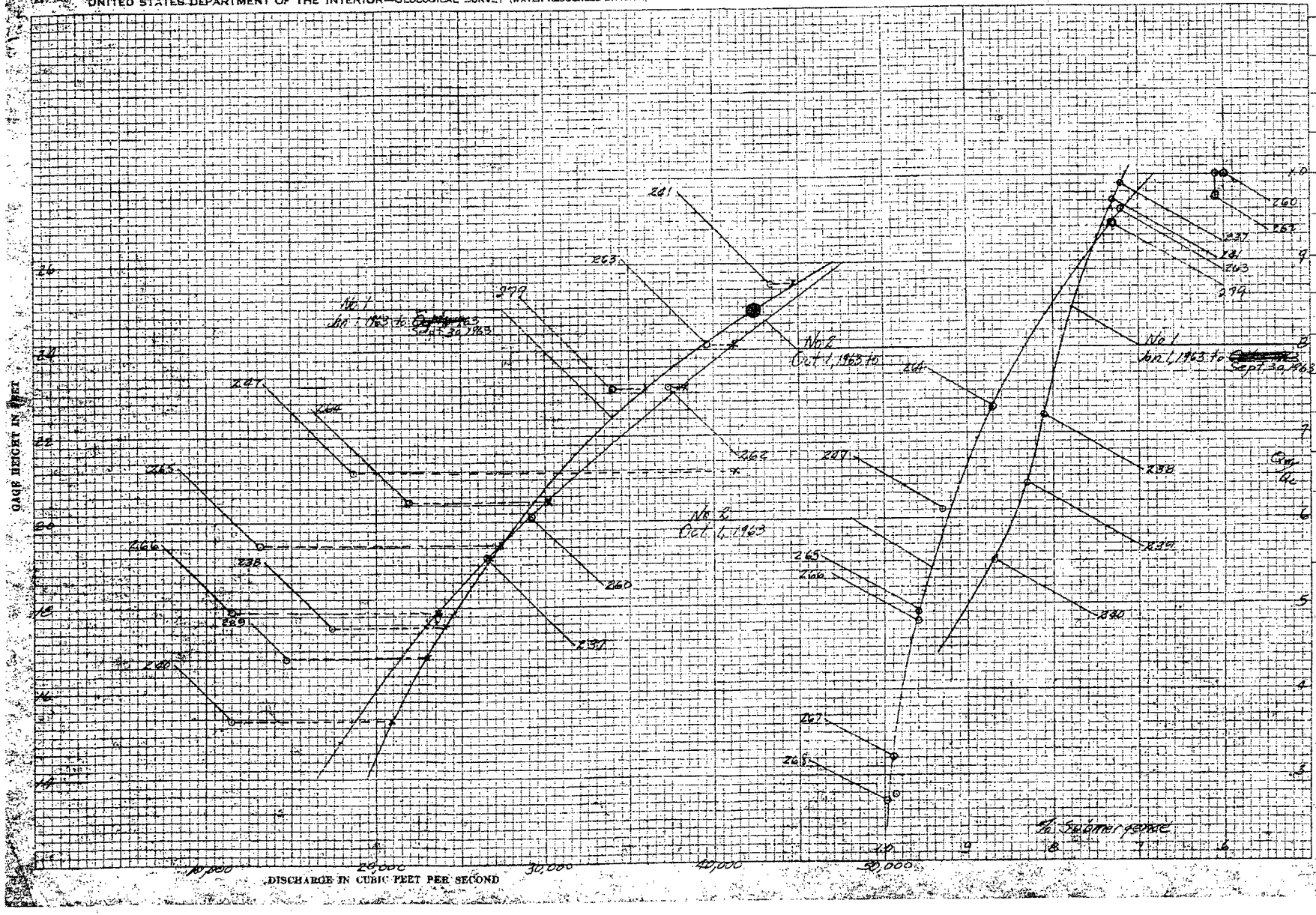
CAL YR 1972 TOTAL 1,949,170 MEAN 5,326 MAX 18,000 MIN 1,590
WTR YR 1973 TOTAL 2,405,330 MEAN 6,590 MAX 54,000 MIN 2,520

NOTE.--No deflection record Mar. 15 to Apr. 20.

Attachment 7
Source: Reference 2.14

UNITED STATES DEPARTMENT OF THE INTERIOR—GEOLOGICAL SURVEY (WATER RESOURCES DIVISION)

RATING CURVE FOR Hiwassee River at Charleston, Tenn. Sta. No. 3-5660



Calculation No: CDQ0000200800039

9-210 (Nov. 1957)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY (WATER RESOURCES DIVISION)

File No. Washington 38-5660
Field

Rating table for Hiwassee River at Charleston, Tenn.
, from Oct 1, 1963, to , 19, from , 19, to , 19

Gage height Feet	Discharge Cfs	Difference Cfs	Gage height Feet	Discharge Cfs	Difference Cfs	Gage height Feet	Discharge Cfs	Difference Cfs	Gage height Feet	Discharge Cfs	Difference Cfs	Gage height Feet	Discharge Cfs	Difference Cfs	Gage height Feet	Discharge Cfs	Difference Cfs	Gage height Feet	Discharge Cfs	Difference Cfs
14.00	16,500	150	16.00	19,900	180	18.00	23,800	240	20.00	28,800	280	22.00	34,500	300	24.00	40,900	330	26.00	47,500	
.10	16,650		.10	20,080		.10	24,040		.10	29,080		.10	34,800		.10	41,230		.10		
.20	16,800	150	.20	20,260		.20	24,280		.20	29,360		.20	35,100	300	.20	41,560		.20		
.30	16,950	160	.30	20,440		.30	24,520		.30	29,640		.30	35,400	310	.30	41,890		.30		
.40	17,110		.40	20,620		.40	24,760		.40	29,920		.40	35,710		.40	42,220		.40		
.50	17,270		.50	20,800		.50	25,000		.50	30,200		.50	36,020		.50	42,550		.50		
.60	17,430	160	.60	20,980		.60	25,240		.60	30,480		.60	36,330	310	.60	42,880		.60		
.70	17,590	170	.70	21,160		.70	25,480		.70	30,760		.70	36,640	320	.70	43,210		.70		
.80	17,760		.80	21,340		.80	25,720		.80	31,040		.80	36,960	320 ~~330~~	.80	43,540		.80		
.90	17,930	170	.90	21,520	180	.90	25,960	240	.90	31,320	280	.90	37,280	320	.90	43,870		.90		
15.00	18,100	180	17.00	21,700	200	19.00	26,200	260	21.00	31,600	290	23.00	37,600	330	25.00	44,200		.00		
.10	18,280		.10	21,900	200	.10	26,460		.10	31,890		.10	37,930		.10	44,530		.10		
.20	18,460		.20	22,100		.20	26,720		.20	32,180		.20	38,260		.20	44,860		.20		
.30	18,640		.30	22,300		.30	26,980		.30	32,470		.30	38,590		.30	45,190		.30		
.40	18,820		.40	22,500	200	.40	27,240		.40	32,760		.40	38,920		.40	45,520		.40		
.50	19,000		.50	22,700	220	.50	27,500		.50	33,050		.50	39,250		.50	45,850		.50		
.60	19,180		.60	22,920		.60	27,760		.60	33,340		.60	39,580		.60	46,180		.60		
.70	19,360		.70	23,140		.70	28,020		.70	33,630		.70	39,910		.70	46,510		.70		
.80	19,540		.80	23,360		.80	28,280		.80	33,920		.80	40,240		.80	46,840		.80		
.90	19,720	180	.90	23,580	220	.90	28,540	260	.90	34,210	290	.90	40,570	330	.90	47,170	330	.90		

This table is applicable for open-channel conditions. It is based on ..... discharge measurements made during .....
..... and is ..... well defined between ..... cfs and ..... cfs.

Comp by DWS date 4-21-65
Ckd by date 4-22-65
Table No. 2

GPO 863782

Attachment 7
Source: Reference 2.14

Calculation No: CDQ00002008039

Attachment 7
Source: Reference 2.14

Calculation No: CDQ000020080039

TO: Raymond Lee, Flood Control Section, TVA — October 28, 1977

FROM: Bernie Frederick, USGS, WRD

Per phone call from John Scott on Oct. 27 and discussions with Don Newton early this morning, listed below are all readily available data on discharges for the flood of March 1973 at our gage on Hiwassee River at Charleston.

Prior to March 16, we have a computer printout which shows maximum Q (cfs), minimum Q, time of occurrence of each, mean daily Q, and total volume passing the gage. I have listed this data for March 14 and 15, and if additional data for those days (or any days prior to Mar. 16) is needed,- e.g., discharge at any given hour or time interval - we can get it, but not so easily!

On March 16, the velocity gage was inundated and was out of operation until Apr. 20. However, using the stage gage, the Watts Bar Dam TW elev., Chickamauga Dam HW elev., and TVA's elevation-discharge curves at Charleston, together with our base Q-fall factor curves, we have estimated Q at 4-hr intervals for the period March 16-20. These are also listed. From Mar. 21 - Apr. 20, only mean daily Q was estimated.

	March 14, 1973	Mar. 15, 1973
Max Q:	6,830 at 0045	10,400 at 2345
Min Q:	4,210 at 1300	5,050 at 0900
Mean Q:	5500	6,320
Volume:	474.97 x 10^6 ft^3	545.85 x 10^6 ft^3

	Mar. 16	Mar. 17	Mar. 18	Mar. 19	Mar. 20
0400	13,000	55,000	46,000	24,000	16,000
0800	21,000	56,000	42,000	22,000	15,000
1200	29,000	57,000*	38,000	21,000	15,000
1600	40,000	55,000	34,000	20,000	11,000
2000	49,000	52,000	31,000	19,000	11,000
2400	52,000	50,000	27,000	17,000	10,000
Mean	31,000	54,000	38,000	21,000	14,000

	Mar. 21	Mar. 22	Mar. 23	Mar. 24	Mar. 25
Mean	9,000	8,600	8,200	7,800	8,000

Ignore

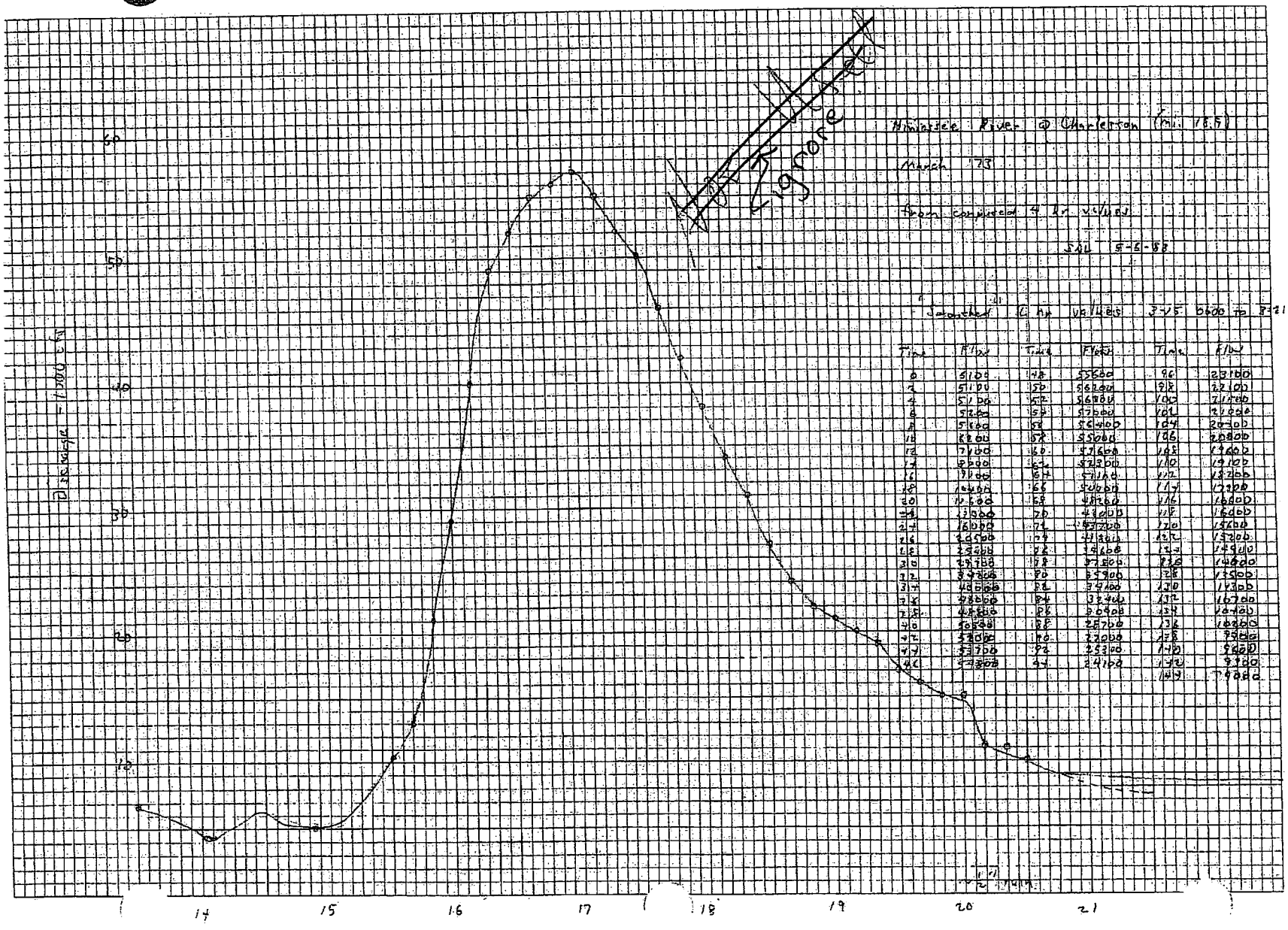
* Maximum for the flood

Bernard J. Frederick

Attachment 7
Source: Reference 2.14

10 X 12 PER INCH

MADE IN U.S.A.



Time	Flow	Time	Flow	Time	Flow
0	51000	48	55600	96	23100
2	51000	50	56200	98	22100
4	51000	52	56800	100	21700
6	52600	54	57600	102	21000
8	54000	56	56400	104	20300
10	52600	58	55000	106	20800
12	51000	60	47600	108	19600
14	50000	62	52300	110	19100
16	51000	64	51100	112	18200
18	46400	66	50000	114	17300
20	42500	68	48700	116	16800
22	43000	70	48000	118	16000
24	46000	72	47300	120	15600
26	40500	74	41800	122	15200
28	35500	76	38600	124	14900
30	33700	78	37500	126	14600
32	34300	80	35900	128	13500
34	40000	82	34100	130	14000
36	38000	84	32400	132	16700
38	40500	86	30500	134	16400
40	40500	88	28700	136	16000
42	37000	90	27000	138	9500
44	37300	92	25300	140	9600
46	37300	94	24100	142	9400
				144	9000

Calculation No: CDQ000020080039

CDQ000020080039 Rev 0

Attachment_08_Local Inflows Developed From Unit Hydrographs.pdf
with attachments:

* Hydrograph came from CDQ000020080064

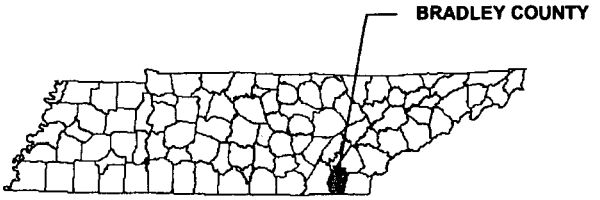
Att 1-1_Subbasins 44B-45 Hydrographs for SOCH.xls

Attachment 9
Source: Reference 2.8

Calculation No: CDQ000020080039

FLOOD INSURANCE STUDY

BRADLEY COUNTY, TENNESSEE,
AND INCORPORATED AREAS



Community Name	Community Number
CHARLESTON, CITY OF	470014
CLEVELAND, CITY OF	470015
BRADLEY COUNTY (UNINCORPORATED AREAS)	470357

February 2, 2007

Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER
47011CV000A

Table 4 – Summary of Discharges

Flooding Source and Location	Drainage Area (square miles)	Peak Discharges (cubic feet per second) 10-Percent Annual-Chance	2-Percent-Annual-Chance	1-Percent-Annual-Chance	0.2-Percent-Annual-Chance
Candies Creek					
Just downstream of Beaverdam Branch	104.0	11,400	16,500	18,500	24,400
Just downstream of Greasy Creek	93.7	10,600	15,400	17,300	22,700
Just above downstream of Beech Springs Branch	65.8	8,270	12,100	13,600	18,000
Just downstream of Johnson Branch	43.5	6,170	9,100	10,300	13,700
Coahulla Creek					
About 3,800 feet downstream of confluence of Wolf Branch	*	4,020	5,390	6,120	7,600
About 0.89 miles upstream of confluence of Goodwill Branch	*	3,290	4,230	4,930	6,120
About 3,600 feet downstream of confluence of Waterville Branch	*	2,500	3,300	3,750	4,690
Just downstream of confluence of Tributary C	*	1,720	2,220	2,590	3,210
About 3,200 feet downstream of Spring Place Road	*	1,080	1,410	1,650	2,050
Fillauer Branch					
Mile 0.10	4.04	1,750	2,680	3,150	3,720
Just upstream of Blythe Road	3.41	1,600	2,480	2,840	3,460
At Cross Section K	1.07	1,070	1,600	1,770	2,150
Goodwill Branch					
About 2,400 feet upstream of mouth	*	380	490	570	720
Hiwassee River					
At county boundary	*	44,000	65,000	75,000	95,000
About 500 feet upstream of Norfolk Southern Railway (Mile 18.9)	2,298	42,150	61,400	70,350	93,100
South Mouse Creek					
Just downstream of Little South Mouse Creek	34.1	8,900	12,200	13,200	16,200
At the City of Cleveland corporate limits	20.0	7,000	9,500	10,300	12,400

Table 4 – Summary of Discharges (continued)

Flooding Source and Location	Drainage Area (square miles)	Peak Discharges (cubic feet per second) 10-Percent Annual-Chance	2-Percent-Annual-Chance	1-Percent-Annual-Chance	0.2-Percent-Annual-Chance
South Mouse Creek (continued)					
Just downstream of U.S. Highway 11 Bypass	9.3	2,700	3,900	4,450	6,340
Just downstream of U.S. Highway 64 Bypass	4.74	1,040	1,370	1,580	3,060
Southern Railroad through Railroad Fill**	2.82	250	295	340	380
Upstream of Railroad Fill	28.2	1,130	1,850	2,000	3,500
Tributary C					
About 2,800 feet upstream of mouth	*	255	330	385	490
Unnamed Tributary to Hiwassee River					
At Mouth	2.54	1,070	1,350	1,600	2,150
Mile 0.8	1.78	900	1,130	1,350	1,800
Waterville Branch					
About 2,400 feet upstream of mouth	*	800	1,040	1,230	1,520
Wolf Branch					
About 4,500 feet downstream of Hunt Road	*	545	710	840	1,030

* Data not available
** Railroad fill acts as a detention dam without overtopping

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH[2] (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD)	WITHOUT FLOODWAY (FEET NAVD)	WITH FLOODWAY (FEET NAVD)	INCREASE (FEET)
HIWASSEE RIVER								
A	9.33	2384	28,242	2.7	688.5	688.2[3]	688.1	0.0
B	10.78	1,175	21,182	3.5	689.2	689.2	689.2	0.0
C	13.02	651	14,096	5.3	691.3	691.3	691.4	0.1
D	13.74	524	14,161	5.3	692.1	692.1	692.2	0.1
E	14.64	404	11,934	5.9	693.0	693.0	693.2	0.2
F	15.31	830	18,809	3.7	693.9	693.9	694.1	0.2
G	15.36	830	18,854	3.7	693.9	693.9	694.2	0.3
H	15.95	384	12,065	5.8	694.1	694.1	694.4	0.3
I	16.74	430	13,136	5.3	694.9	694.9	695.2	0.3
J	17.54	438	12,848	5.4	695.6	695.6	695.9	0.3
K	18.22	366	11,879	5.9	696.2	696.2	696.6	0.4
L	18.55	382	12,609	5.6	696.7	696.7	697.0	0.3
M	18.81	390	12,189	5.7	697.0	697.0	697.3	0.3
N	19.36	381	12,237	5.7	697.6	697.6	698.0	0.4
O	20.43	420	11,602	5.7	699.0	699.0	699.5	0.5
P	20.90	412	12,448	5.3	699.5	699.5	700.2	0.7
Q	21.45	550	12,863	5.1	700.2	700.2	700.9	0.7
R	22.45	625	14,514	4.5	701.3	701.3	702.2	0.9
S	23.15	540	13,705	4.8	702.1	702.1	703.0	0.9
T	23.76	820	17,803	3.7	702.7	702.7	703.7	1.0
U	24.54	530	12,360	5.3	703.4	703.4	704.3	0.9
V	25.42	440	12,766	5.1	704.7	704.7	705.6	0.9
W	26.10	540	13,530	4.8	705.6	705.6	706.5	0.9
X	26.72	385	11,676	5.6	706.3	706.3	707.2	0.9
Y	27.19	320	10,519	6.2	707.0	707.0	707.8	0.8
Z	27.59	420	12,675	5.2	707.6	707.6	708.5	0.9

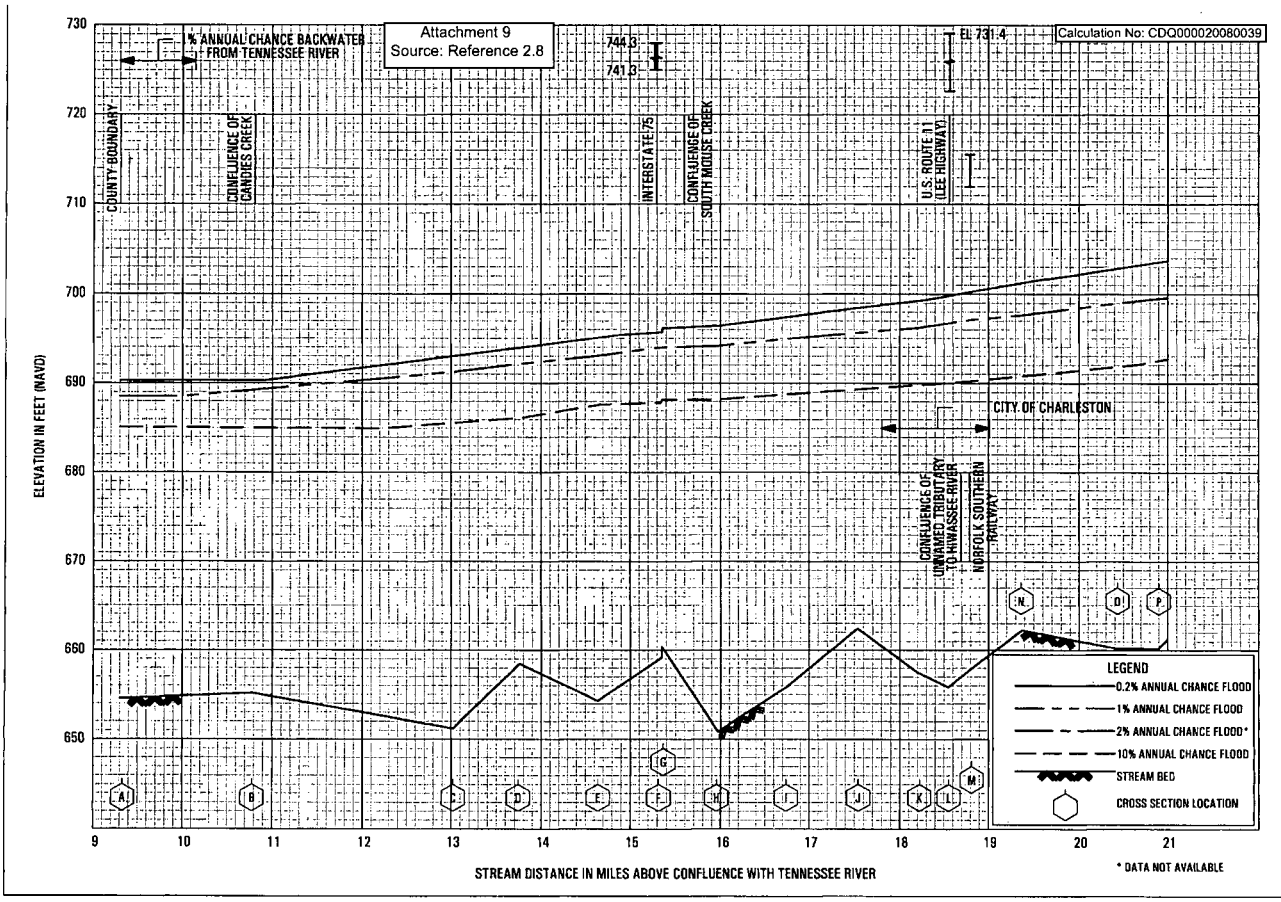
[1]MILES ABOVE MOUTH
[2]THIS WIDTH EXTENDS BEYOND COUNTY BOUNDARY
[3]ELEVATIONS WITHOUT CONSIDERING BACKWATER EFFECT FROM TENNESSEE RIVER

TABLE 5

FEDERAL EMERGENCY MANAGEMENT AGENCY
BRADLEY COUNTY, TN
AND INCORPORATED AREAS

FLOODWAY DATA

HIWASSEE RIVER



FLOOD PROFILES

HIWASSEE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

BRADLEY COUNTY, TN

AND INCORPORATED AREAS

12P

CDQ000020080039 Rev 0

Attachment_10_ SOCH Input Preprocessor, Steady-State
with attachments:

Chickamauga_100Ksteps_BuildSOCHdata.xls
Hiwassee_100Ksteps_BuildSOCHdata.xls

CDQ000020080039 Rev 0

Attachment_11_ SOCH Input Preprocessor, March 1973 Flood.pdf
with attachments:

Mar1973_BuildSOCHdata072109.xls

CDQ000020080039 Rev 0

Attachment_12_ SOCH Input Preprocessor, May 2003 Flood.pdf
with attachments:

Chickamauga_May2003_BuildSOCHdata072109.xls

CDQ000020080039 Rev 0

Attachment_13_ Macro File for SOCH Input Preprocessor.pdf
with attachments:

SOCH_Macros.xls

CDQ000020080039 Rev 0

Attachment_14_ Macro File for Extraction of SOCH Output.pdf
with attachments:

Flood_ExtractSelectedSOCHOutputHydrographs.xls

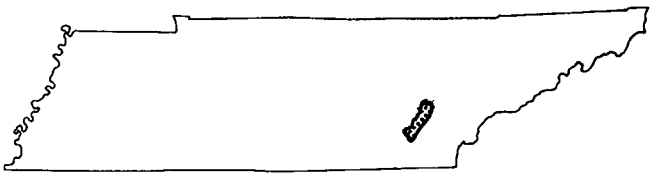
Attachment 15
Source: Reference 2.17

Calculation No: CDQ000020080039

FLOOD INSURANCE STUDY

MEIGS COUNTY, TENNESSEE

UNINCORPORATED AREAS



NOVEMBER 16, 1990

Federal Emergency Management Agency

COMMUNITY NUMBER -470133

Flood elevations on the Tennessee River are influenced by both discharge and Watts Bar Dam headwater elevation. Elevation-frequency for this reach was determined by standard step-backwater analysis. Starting elevations and computed elevation-frequency were adjusted to achieve compatibility and consistency with elevation-frequency curves determined graphically from observed records at the following locations:

TENNESSEE RIVER LOCATION	RIVER MILE	DRAINAGE AREA (SQUARE MILES)	PERIOD OF RECORD	AGENCY AND REFERENCE
At Fort Loudon Dam	602.3	12,180	1946-89	TVA (Reference 10)
At Lenoir City	600.5	12,200	1944-55	USGS (Reference 11)
At Loudon	591.6	12,200	1944-55	USGS (Reference 12)
Near Kingston	568.2	12,470	1946-73	TVA (Reference 13)

Extrapolation of the frequency curves to the 500-year flood were guided by historic flood data, maximum flood flows determined by the National Weather Service, and unit hydrographs and rainfall-runoff relationships.

Peak discharge-drainage area relationships for the 10-, 50-, 100-, and 500-year floods of each flooding source studied in detail in the community are shown in Table 1.

TABLE 1 - SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (SQ MILES)	PEAK DISCHARGE (CFS) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
DECATUR CREEK					
at mouth	11.66	2,400	3,700	4,270	5,710
just upstream of confluence of Hardin Creek	9.26	2,060	3,180	3,660	4,900
just upstream of confluence of Decatur Branch	4.27	1,190	1,880	2,170	2,930
DECATUR BRANCH					
just downstream of Unnamed Tributary	1.36	650	1,020	1,180	1,560
just upstream of Unnamed Tributary	0.94	550	860	990	1,290
GOODFIELD CREEK					
at confluence of Decatur Creek	22.2	3,850	5,810	6,610	8,810

TABLE 1 - SUMMARY OF DISCHARGES (Continued)

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (SQ MILES)	PEAK DISCHARGE (CFS) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
TENNESSEE RIVER					
at southern county boundary	N/A	193,000	212,000	224,000	292,000
just downstream of Watts Bar Dam	17,310	168,000	198,000	214,000	273,000

Elevations for floods of the selected recurrence intervals of the segment of the Tennessee River known as Watts Bar Lake are shown in Table 2. The computed headwater elevation-frequency at the Watts Bar Dam was adjusted to achieve compatibility and consistency with elevation-frequency determined graphically from observed records at Watts Bar Dam between 1946 and 1989.

TABLE 2 - SUMMARY OF ELEVATIONS

FLOODING SOURCE AND LOCATION	PEAK ELEVATION (FEET NGVD) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
TENNESSEE RIVER				
upstream of Watts Bar Dam (Watts Bar Lake)	744.8	746.0	746.5	746.8

3.2 Hydraulic Analyses

Analyses of the hydraulic characteristics of flooding from the sources studied were carried out to provide estimates of the elevations of floods of the selected recurrence intervals.

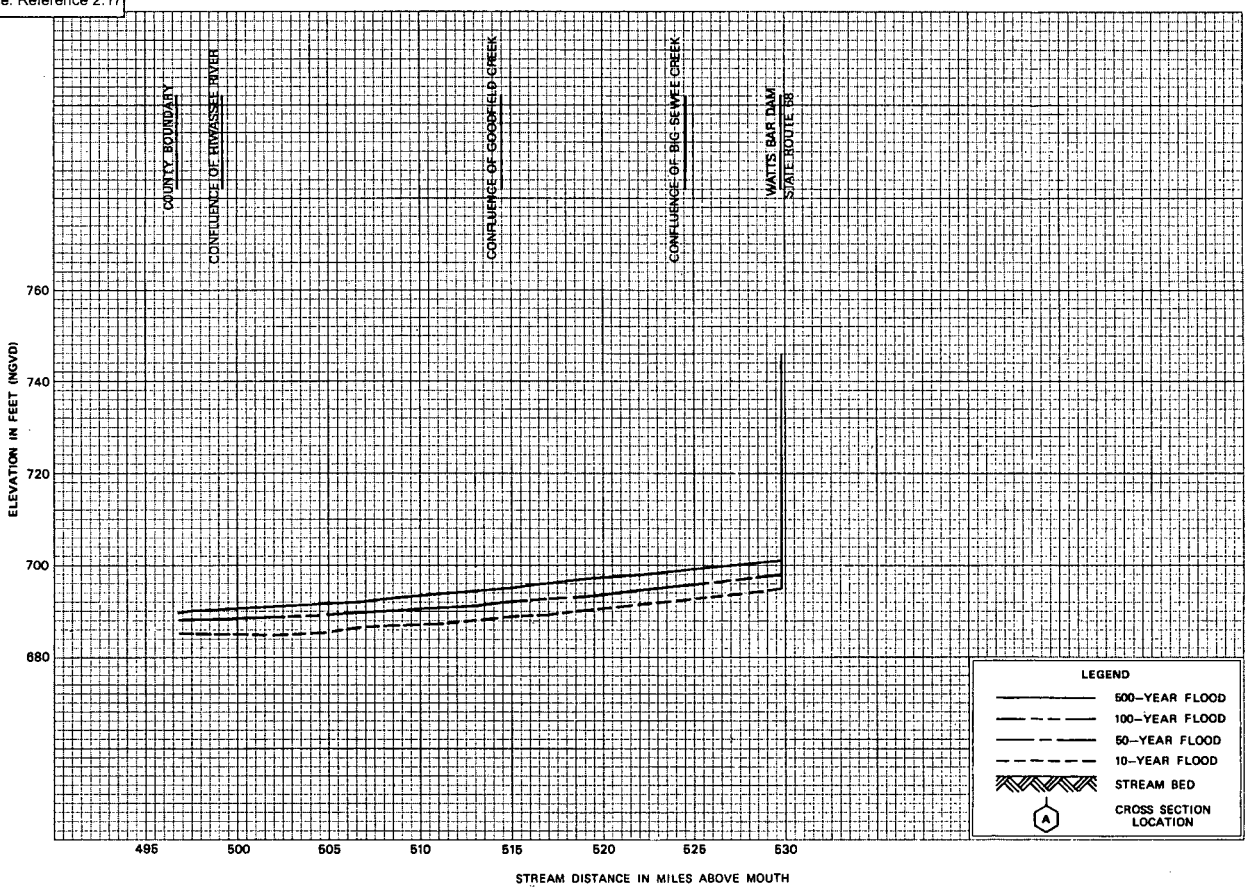
Cross sections were obtained from field surveys. All bridges and culverts were surveyed to obtain elevation and structural geometry data.

Locations of selected cross sections used in the hydraulic analyses are shown on the Flood Profiles and on the Flood Insurance Rate Map.

Water-surface elevations of floods of the selected recurrence intervals were computed using the HEC-2 step-backwater computer program (Reference 14). Starting water-surface elevations for Decatur Creek, Decatur Branch, and Goodfield Creek were calculated by the slope-area method. Starting water-surface

Attachment 15
Source: Reference 2.17

Calculation No: CDQ000020080039



FLOOD PROFILES

TENNESSEE RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

MEIGS COUNTY, TN
(UNINCORPORATED AREAS)

01P