Attachment 02.04.03-08AO
TVA letter dated February 2, 2010
RAI Response

ASSOCIATED ATTACHMENTS/ENCLOSURES:

Attachment 02.04.03-8AO: Software Requirements Specification(SRS), Software Design Description(SDD), Software Verification and Validation(SVVR) and Users Manual for WWIDTH-CONVEY

(404 Pages including Cover Sheet)

L58 081219 001

Tennessee Valley Authority

SOFTWARE REQUIREMENTS SPECIFICATION

(SRS)

WEIGHTED WIDTH
Version 1.0
(WWIDTH)
CONVEYANCE
(CONVEY)
Version 1.0

	R0	R1	R2	R3
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Issue Date	12-17-08			

	REVISION LOG	
Revision Number	**Description of Revision**	**Date Approved**
0	Initial Issue for WWIDTH Version 1.0 & CONVEY Version 1.0	

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LIST OF FIGURES

ACRONYMS

ANS	American National Standard
ANSI	American National Standards Institute
PC	Personal Computer
SOCH	Simulated Open Channel Hydraulics
SVVR	Software Verification and Validation Report
TVA	Tennessee Valley Authority

1. INTRODUCTION

1.1 Description

The computer programs Weighted Width (WWIDTH) and Conveyance (CONVEY) are used to prepare the geometric data defining the cross sections used by the Simulated Open Channel Hydraulics (SOCH) computer code for flood routing calculations. WWIDTH and CONVEY are two of eight computer codes used to prepare the required input data for SOCH. These computer programs are used to meet United States Nuclear Regulatory Commission guidance set forth in Nuclear Regulatory Guide 1.59 (American National Standards Institute [ANSI] ANSI/ANS-2.8-1992) and TVA SPP-2.6, R12, Computer Software Control.

1.2 Purpose

The quality-assured purpose of WWIDTH and CONVEY is to calculate selected geometric and hydraulic parameters required for the execution of the SOCH computer code to determine the maximum flood level at specific locations along the Tennessee River. Section 2 describes the Theoretical Basis and the Input and Output Features of WWIDTH and CONVEY. Section 3 describes the Testing Plan for WWIDTH and CONVEY. References are provided in Section 4.

WWIDTH and CONVEY codes provide the required geometric data in the SOCH code for each cross section and stream reach. The table of geometric data for each cross section is made up of 21 vertical steps, starting at or below the channel bottom. The parameters included in this table are:

- elevation
- cross sectional area (A)
- composite hydraulic radius raised to the two thirds power ($R^{2/3}$)
- weighted width (B_w)

The first parameter (elevation) is defined by the user, the next two are calculated by the code CONVEY based on the user-provided elevation and cross sectional data, and the last parameter, the weighted width (B_w), is calculated by WWIDTH. The SOCH program interpolates values for these parameters from the geometry table based on elevation.

Appendix A provides the requirements for structuring the output of the WWIDTH and CONVEY programs to meet the geometry file requirements for input into the interfacing SOCH computer code.

1.3 Assumptions and Limitations

There are no major limitations in the use of WWDTH and CONVEY related to the nature of the calculations performed by these codes. The primary limitations arise from the dimensions of the arrays in these codes. For example, in WWIDTH, the maximum number

of sections must be no greater than 60 and the maximum number of surfaces between sections at different elevations is 30.

In CONVEY, the number of cross sections for which the conveyance is calculated should be no greater than 200, and the number of segments with different Manning's n number within each cross section should be no greater than 9.

These limitations can be addressed by editing the source code to increase the dimensions of the arrays for the above variables and recompiling the code to create a new executable one. Source code revisions must adhere to Reference 1, Section 3.3.2.

1.4 Computer System Requirements

WWIDTH & CONVEY were originally programmed to run on a mainframe computer and were later transferred to the PC. The latest version of these codes has been compiled using the Compaq Visual FORTRAN compiler, Professional Edition 6.6A.

The application owner is Nuclear Power Group (NPG) Corporate Civil Engineering with technical support from River Operations. User support for this program can be obtained from River Operations. Any problems with the software should be reported to NPG Corporate Civil Engineering.

2. WWIDTH & CONVEY FUNCTIONALITY

2.1 WWIDTH Theoretical Basis

The Weighted Width (B_w) code provides one of four elements for the SOCH geometry input table. This parameter is used to account for reservoir storage. The surface area between cross sections for a series of elevations is determined from topographic maps. Storage in any off-channel areas or tributaries is accounted for by these surface area determinations. The elevations are selected to define the overbank and tributary areas over the range of expected flood depths. Using the surface area by elevation data as input to the WWIDTH program, an equivalent B_w is determined for each cross section such that the total volume for a reservoir, including storage in tributaries, can be determined. Appendix B provides the detailed technical basis and methodology for the calculation of B_w.

2.2 CONVEY Theoretical Basis

The CONVEY code was developed to determine the cross-sectional area and the composite hydraulic radius raised to the 2/3 power ($R^{2/3}$), by elevation for a given segmented cross section.

The data points to describe the cross section can be taken either from cross sections developed from topographic maps, or plots of values used as input in earlier developed and calibrated backwater models. The number of points used to describe each section varies and is based on the minimum needed to accurately define the flow area. The number of segments in the cross sections can vary and depends on changes in the Manning's n values across the section and over one-half reach in either direction. The CONVEY program computes the cross-sectional area and a composite value of $R^{2/3}$ for user-specified

elevations (generally at 5- to 20-foot intervals) starting at the channel bottom. Appendix C provides the detailed technical basis and methodology for the calculation of cross-section area and the composite hydraulic radius raised to the two thirds power ($R^{2/3}$).

2.3 Input and Output Features

2.3.1 Input Features – WWIDTH

In the WWIDTH input file, the following information is specified:

- Number of input cross-sections and number of input elevations
- Number of output cross-sections
- Number and spacing of output elevations
- Surface area between cross-sections at specified input elevations
- Bottom elevation of each output cross-section
- River mile of input cross-sections
- Distance between output cross-sections

2.3.2 Input Features – CONVEY

In the CONVEY input file, the following information is specified:

- Number of cross-sections
- Number of segments for each cross-section
- Coordinates of the points that define the cross-sections
- Cross-section segment corresponding to the area between points used to define Mannings' n
- Number of elevations at which output is required
- Output elevation interval

2.3.3 Output Features – WWIDTH

The output for WWIDTH includes the following:

- An echo of all input data rearranged for computation purposes
- Tables of elevations, areas, cumulative areas, and widths used for computation
- Table for each cross-section with cumulative area and weighted width (variable HWIDTH in the code) at specified elevations

The following responses to valid and invalid inputs and responses to abnormal situations are produced by WWIDTH:

- When WWIDTH functions normally, the output file is created

- When WWIDTH is subjected to abnormal input conditions, such as designating the output elevations completely outside of the range of the input elevations, the output file is still created and no warning messages are generated. Therefore, it is the responsibility of the user to verify the WWIDTH input file for validity before running WWIDTH.

2.3.4 Output Features – CONVEY

The output for CONVEY includes the following:

- An echo of all input data
- Tables with cross-section characteristics including cross sectional area, wetted perimeter, hydraulic radius raised to the two thirds power ($R^{2/3}$), top width, and Manning's n for each segment, as well as composite values (for the entire cross-section) of the above parameters at each specified elevation for each section

The following responses to valid and invalid inputs and responses to abnormal situations are produced by CONVEY:

- When CONVEY functions normally, the output file is created
- When CONVEY is subjected to abnormal input conditions, such as the designation of segment numbers out of sequence, the output file is still created and no warning messages are generated. Therefore, it is the responsibility of the user to verify the CONVEY input file for validity before running CONVEY.

3. PLAN FOR TESTING WWIDTH & CONVEY CODE FUNCTIONALITY

3.1 Overview of WWIDTH Test Plan

The WWIDTH Test Plan consists of a comparison of the solution of test problems obtained with WWIDTH to independent calculations. The test plan serves to evaluate the program's capabilities and limitations as related to TVA design applications. The test problems, which are described in Section 3.2, were selected to be representative of typical TVA applications of the program.

The test problems must be re-run when WWIDTH is run on a new computer, as well as in the event of major upgrades or total replacement of the computer operating system. Any modifications to the WWIDTH computer program shall be documented. Whenever changes are made to the WWIDTH computer code, an assessment should be made of the impact on the operation of WWIDTH and the test problems specified below must be re-run.

The test problems specified here are intended to assess the extent of possible program features and options likely to be required for safety-related design analysis. These test problems were run using WWIDTH Version 1.0.

3.2 WWIDTH Test Problems

- **Test Problem 1:** Fort Patrick Henry Reservoir.

This problem is intended to ensure that WWIDTH properly calculates the weighted width at specified cross-sections in the reservoir

- **Test Problem 2:** Rectangular channel section of constant width.

  This problem is intended to ensure that WWIDTH properly solves for the weighted width at specified cross-sections in a 5 mile section of rectangular channel with a constant width of 100 ft.

- **Test Problem 3:** Rectangular channel section with width increasing in the downstream direction.

  This problem is intended to ensure that WWIDTH properly solves for the weighted width at specified cross-sections in a 5 mile section of rectangular channel with the width increasing in the downstream direction from 50 ft to 100 ft.

- **Test Problem 4:** Rectangular channel section with width increasing in the downstream direction with a tributary.

  This problem is identical to Test Problem 3, with the exception that a 50 ft by 1 mile embayment has been introduced to the middle of the channel. This problem is intended to ensure that WWIDTH properly handles the inclusion of tributary storage areas.

- **Test Problem 5:** Trapezoidal channel section of constant width with a slope down the channel and all sections submerged.

  This problem is intended to ensure that WWIDTH properly solves for the weighted width at specified cross-sections in a 5 mile section of trapezoidal channel where all the input and output sections are submerged. The channel section used has a bottom width of 30 ft, side slopes of 2:1, and a slope of 10 ft per 1 mile down the channel.

- **Test Problem 6:** Trapezoidal channel section of constant width with a slope down the channel and some sections dry.

  This problem is identical to Test Problem 5 with the exception that some of the input and output sections are dry. This problem is intended to ensure that WWIDTH properly handles the transition from dry to wet sections.

3.3 Overview of CONVEY Test Plan

The CONVEY Test Plan consists of a comparison of the solution of test problems obtained with CONVEY to independent calculations. The test plan serves to evaluate the program's capabilities and limitations as related to TVA design applications. The test problems, which are described in Section 3.4, were selected to be representative of typical TVA applications of the program.

The test problems must be re-run when CONVEY is run on a new computer, as well as in the event of major upgrades or total replacement of the computer operating system. Any modifications to the CONVEY computer program shall be documented. Whenever changes are made to the CONVEY computer code, an assessment should be made of the impact on operation of CONVEY and the test problems specified below must be re-run.

The test problems specified here are intended to assess the extent of possible program features and options likely to be required for safety-related design analysis. These test problems were run using CONVEY Version 1.0.

3.4 CONVEY Test Problems

- **Test Problem 1:** Holston River below Cherokee Dam.

  This problem is intended to ensure that CONVEY properly solves for the cross-sectional area and composite hydraulic radius raised to the 2/3 power ($R^{2/3}$) at a range of elevations for a specified cross-section in the river.

- **Test Problem 2:** Trapezoidal section.

  This problem is intended to ensure that CONVEY properly solves for the cross-sectional area and composite hydraulic radius raised to the 2/3 power ($R^{2/3}$) at a range of elevations for a trapezoidal channel with a bottom width of 30 ft and side slopes of 2:1.

- **Test Problem 3:** Trapezoidal section with a triangular notch in the bottom.

  This problem is identical to Test Problem 2, with the exception that a 3 ft deep and 6 ft wide triangular notch is cut in the middle of the section. This problem is intended to ensure that CONVEY properly solves for the cross-sectional area and composite hydraulic radius raised to the 2/3 power ($R^{2/3}$) at a range of elevations for this section.

3.5 Results of the WWIDTH & CONVEY Test Plans

A detailed summary of the results of the WWIDTH and CONVEY test plans must be presented in the WWIDTH Version 1.0 & CONVEY Version 1.0 Software Verification and Validation Report (SVVR).

4. REFERENCES

1. TVA, 2006: SPP-2.6, R12, Computer Software Control

APPENDIX A: GEOMETRY FILE REQUIREMENTS

Output of the WWIDTH and CONVEY programs shall conform to the requirements below to provide the input Geometry file for the SOCH interface computer code.

Only the first 40 columns of each line are read (Format 4F10.0). The variables are elevation, corresponding flow area, corresponding R (hydraulic radius) to the 2/3 power, corresponding storage width (B). If the line contains more columns the rest can by used for annotations on the sections – mile, name, etc.

Each section must contain the same number of elevation entries (maximum 21). The first elevation given should be the streambed, which is used to compute the depth. The next elevations can be given at any interval but must be in increasing order. They should be given even if the corresponding values of the other 3 variables are left blank.

APPENDIX B: WWIDTH THEORETICAL BASIS

The Weighted Width (B_w) code provides one of four elements for the SOCH geometry input table used. This parameter is used to account for reservoir storage. The surface area between cross sections for a series of elevations is determined from topographic maps, as shown on Figure 1. Storage in any off-channel areas or tributaries is accounted for by these surface area determinations. The elevations are selected to define the overbank and tributary areas over the range of expected flood depths. Using the surface area by elevation data as input to the WWIDTH program, an equivalent B_w is determined for each cross section such that the total volume for a reservoir, including storage in tributaries, can be determined. Once B_w is determined for each cross section, the total volume of the reservoir is computed by the program and a comparison made against the total reservoir volume curve published for the project. If there is a difference, a correction factor is applied to bring the computed volume into agreement with the measured total volume. Once this step is completed, the parameter B_w in the SOCH geometry table is set for the model.

Referring to Figure 1, the volume of water $V_{2\Delta X}$ stored between cross sections L and R located 2ΔX apart at any instant of time and for any given water surface elevation may be expressed by:

$$V_{2\Delta X} = V_o + \Delta V \tag{1}$$

where:

V_o = reference volume equal to the volume in the reach 2Δx corresponding to the minimum water surface elevation expected; and

ΔV = volume increment due to water levels located within a depth increment Δh. The total volume above the minimum water level can be obtained by summing all the ΔV's above the minimum pool.

Equation (1) may be written as:

$$V_{2\Delta X} - V_o = \Delta V = B_W \Delta h \cdot 2\Delta x \tag{2}$$

where:

B_W = weighted width; and

Δh = incremental water depth

Solving Equation (2) for B_W gives:

$$B_W = \frac{\Delta V}{2\Delta h \Delta x} = \frac{\overline{A}_S \Delta h}{2\Delta h \Delta x} = \frac{\overline{A}_S}{2\Delta x} \tag{3}$$

where:

$\overline{A}_S$ = mean water surface area in reach 2ΔX and elevation interval Δh.

$\overline{A}_S$ may be computed from:

$$\overline{A}_S \approx \frac{\overline{A}_{S1} + \overline{A}_{S2}}{2} \tag{4}$$

where:

$\overline{A}_{S1}$ = surface area corresponding to bottom of elevation interval Δh

$\overline{A}_{S2}$ = surface area corresponding to top of elevation interval Δh

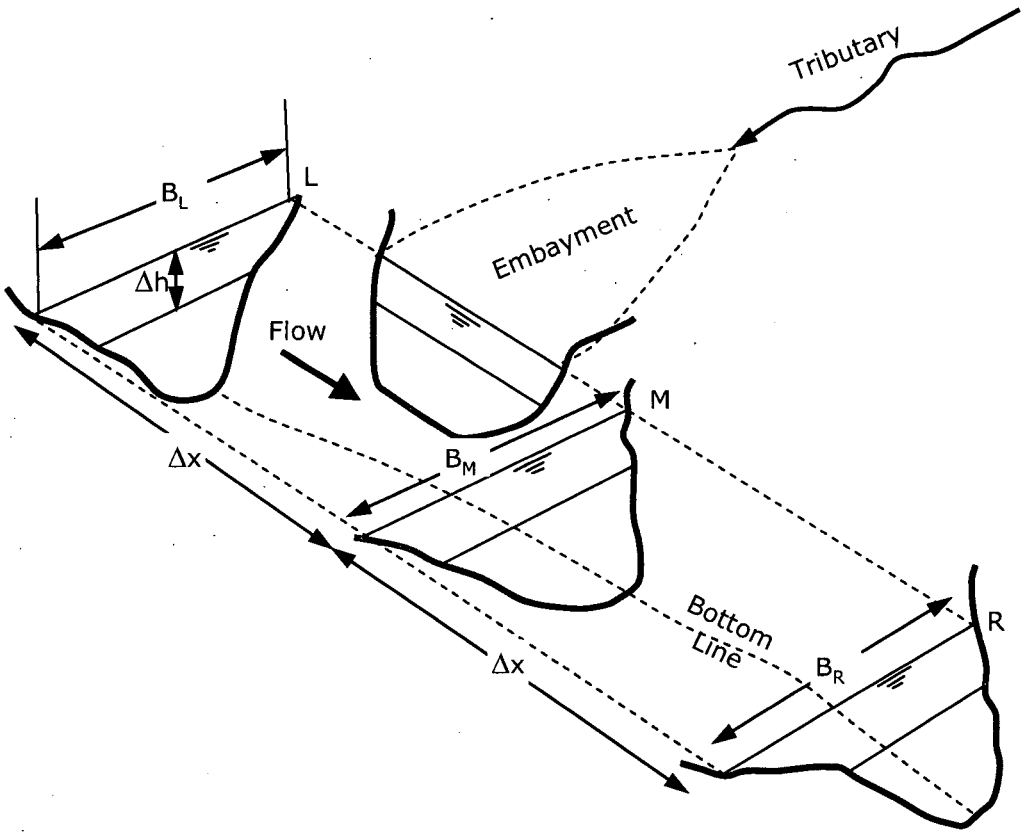

Figure 1. Weighted Width Schematic

For fairly small elevation intervals, $\bar{A}_{S1}$ and $\bar{A}_{S2}$ are practically equal.

The weighted width at interior points, i.e. cross section nodes that are not attached to the boundaries, (see Section M in Figure 1) may be expressed by:

$$B_W = \overbrace{\frac{B_L + 2B_M + B_{RB}}{4}}^{BASED\ ON\ FLOW\ SECTIONS} + \overbrace{B_S}^{STORAGE} \tag{5}$$

where:

B_L = the actual top width of the river channel at the u/s end of reach 2Δx;
B_M = the actual top width of the river channel at the middle of reach 2Δx;
B_R = the actual top width of the river channel at the d/s end of reach 2Δx; and
B_S = the increase of the average width of the river channel due to off-channel storage.

Equation (5) is a generalized equation relating weighted width B_W to the top widths B_L, B_M, and B_R as illustrated in Figure 1, with B_S as a lumped off-channel width. Equation (5) is not directly implemented in the code.

Equation (3) may be written as:

$$B_W = \frac{\overline{A}_M}{2\Delta x} + \frac{\overline{A}_T}{2\Delta x} \tag{6}$$

where:

$\overline{A}_M$ = the surface area of the main channel
$\overline{A}_T$ = the surface area of the tributary

Comparing Equations (5) and (6), the following equation can be written:

$$B_W = \frac{B_L + 2B_M + B_R}{4} + \frac{\overline{A}_T}{2\Delta x} \tag{7}$$

Equation (7) is the relation used in practice to get B_W at interior points. Equation (7) is not directly implemented in the code

Boundary Points

In this case, only two cross sections located Δx apart are used. For left, or upstream, boundaries:

$$B_W = \frac{B_L + B_M}{2} + \frac{\overline{A}_T}{\Delta x} \tag{8}$$

and for downstream boundaries:

$$B_W = \frac{B_M + B_R}{2} + \frac{\overline{A}_T}{\Delta x} \tag{9}$$

B_W in Equation (7) is assumed to apply at the center of the reach 2Δx, while B_W in Equations (8) and (9) is assumed to apply at the left or right end of the reach, respectively. Equations (8) and (9) are the relations used in practice to get B_W at boundary points; they are not directly implemented in the code. Equations (8) and (9) may be written as:

$$B_W = \frac{\overline{A}_M}{\Delta x} + \frac{\overline{A}_T}{\Delta x} \tag{10}$$

where:

$\overline{A}_M$ = the surface area of the main channel between B_M and either B_L for upstream boundaries or B_R for downstream boundaries

$\overline{A}_T$ = the surface area of the tributary

After B_W is computed for each desired water surface elevation at each net point, the total volume at any elevation is computed from:

$$V_{TOTAL} = V_O + \sum_{1}^{N-1} B_{W_{NBL}} \Delta h \cdot 2\Delta x \tag{11}$$

where:

NBL = net points on lines not having points at the boundaries; and
N = number of net points on a line containing boundary points.

In the definition of NBL the term net points refers to the cross section points in the computation time and space.

In the SOCH program all even cross sections are on one time line, which is off by one time step (Δt) from the odd cross sections line. In the definition of the variable NBL the term "line" refers to the odd and even cross sections being one Δt apart.

The total volume is also computed from:

$$V_{TOTAL} = V_O + \sum_{1}^{N-1} B_{W_{BL}} \Delta h \cdot 2\Delta x + (B_{W_{LB}} + B_{W_{RB}}) \cdot \Delta h \cdot \Delta x \tag{12}$$

where:

BL = net points on lines with points at the boundaries;
LB = left boundary; and
RB = right boundary.

Results from Equations (11) and (12) are compared to an elevation-volume relation. If the computed total volume is different from that given by the elevation-volume relation, a correction is applied to selected values of B_W to give the same volume as the relation. The correction may vary by elevation and by cross section. As an example, if the total volume, at a certain elevation, computed from Equations (11) and (12) were 10% larger and 5% smaller, respectively, than the volumes from the volume-elevation curve, values of B_W on non-boundary lines would be multiplied by 0.9 and values of B_W on boundary lines would be

multiplied by 1.05, thereby bringing the computed volumes into agreement with the measured total volume. It is noted that the weighted width, B_W at the boundaries is not used in the unsteady flow calculations, because the boundary conditions dictate flows at the boundaries. At the boundaries B_W is only used for volume balancing.

APPENDIX C: CONVEY THEORETICAL BASIS

The CONVEY code was developed to determine the cross-sectional area and the composite hydraulic radius raised to the 2/3 power ($R^{2/3}$), by elevation for a given segmented cross section. A typical cross section with three segments is shown on Figure 2.

The data points to describe the cross section can be taken either from cross sections developed from topographic maps, or plots of values used as input in earlier developed and calibrated backwater models. The number of points used to describe each section varies and is based on the minimum needed to accurately define the flow area. The number of segments in the cross sections can vary and depends on changes in the Manning's n values across the section and over one-half reach in either direction. The CONVEY program computes the cross-sectional area and a composite value of $R^{2/3}$ for user-specified elevations (generally at 5- to 20-foot intervals) starting at the channel bottom. The conveyance of each segment of the cross section, C_i, is computed by Equation (13).

$$C_i = \frac{1.49 A_i R_i^{2/3}}{n_i} \tag{13}$$

where:

A_i = the cross sectional area of segment i
R_i = the hydraulic radius of segment i
n_i = Manning's n of segment i
i = 1 (left), 2 (center), 3 (right)

The total conveyance (C_t) is the sum of the conveyances of the three segments, i.e.

$$C_t = C_1 + C_3 + C_3 \tag{14}$$

A composite $R^{2/3}$ is determined at each elevation step by the following equation with Manning's n referenced to the channel n, which is not necessarily related to n_1, n_2 and n_3 through a specific equation.

$$R^{2/3} = \frac{n C_t}{1.49 A} \tag{15}$$

where:

A = the total cross sectional area ($A = A_1 + A_2 + A_3$)

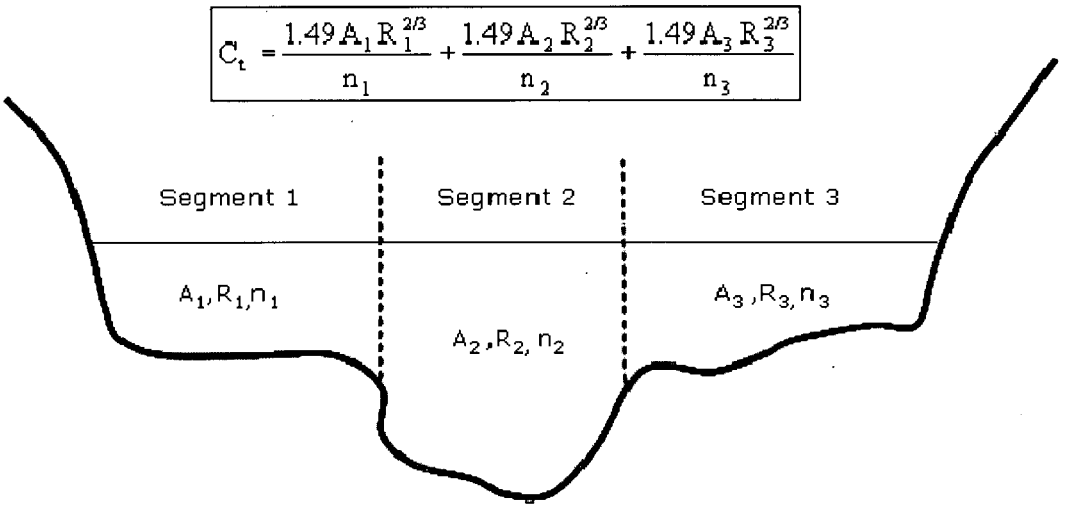

Figure 2. Typical Conveyance Cross Section

The output of the CONVEY program includes the cross-sectional area, A, and the composite $R^{2/3}$ for user-specified elevations. These outputs make up three of the four elements of the geometric table (elevation, cross-sectional area, and composite $R^{2/3}$; the fourth element is the weighted width, B_w, from WWIDTH) that the SOCH program uses to define each cross section.

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Tennessee Valley Authority

SOFTWARE DESIGN DESCRIPTION

(SDD)

WEIGHTED WIDTH
Version 1.0
(WWIDTH)
CONVEYANCE
(CONVEY)
Version 1.0

	R0	R1	R2	R3
Prepared	Michele Dermer			
Reviewed	Angelos Findikakis			
Approved	K.R. Spates			
Issue Date	12-19-08			

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1. INTRODUCTION

1.1 Background

The computer programs Weighted Width (WWIDTH) and Conveyance (CONVEY) are used to prepare the geometric data defining the cross sections used by the Simulated Open Channel Hydraulics (SOCH) computer code for flood routing calculations. WWIDTH and CONVEY are two of eight computer codes used to prepare the required input data for SOCH. These computer programs are used to meet United States Nuclear Regulatory Commission guidance set forth in Nuclear Regulatory Guide 1.59 (American National Standards Institute [ANSI] ANSI/ANS-2.8-1992) and the requirements of TVA SPP-2.6, Computer Software Control (Reference 1).

This Software Design Description (SDD) document presents the general overview and details of running the WWIDTH and CONVEY codes and how the WWIDTH and CONVEY codes meet the requirements of Reference 2, WWIDTH Version 1.0 and CONVEY Version 1.0 Software Requirements Specification (SRS).

2. OVERVIEW OF DESIGN

WWIDTH and CONVEY codes calculate the required geometric data for each cross section and stream reach required for execution of the SOCH code. WWIDTH and CONVEY codes also prepare a geometry input file for direct use as input data for the SOCH code.

The table of geometric data for each cross section is made up of 21 vertical steps, starting at or below the channel bottom. The parameters included in this table are:

- elevation
- cross sectional area (A)
- composite hydraulic radius raised to the two thirds power ($R^{2/3}$)
- weighted width (B_w)

The first parameter (elevation) is defined by the user, the next two are calculated by the code CONVEY based on the user-provided elevation and cross sectional data, and the last parameter (weighted width [B_w]) is calculated by WWIDTH. The SOCH program interpolates values for these parameters from the geometry table based on elevation.

The WWIDTH and CONVEY computer programs were developed and used by Tennessee Valley Authority (TVA) at the same time as SOCH. WWIDTH & CONVEY were originally programmed to run on a mainframe computer and were later transferred to the PC. The latest version of these codes has been compiled using the Compaq Visual FORTRAN compiler, Professional Edition 6.6A.

2.1 WWIDTH Theoretical basis

Using the methodology described in Appendix A of Reference 2, the Weighted Width (B_w) code calculates one of four elements for the SOCH geometry input table. This parameter is used to account for reservoir storage. The surface area between cross sections for a series of elevations is determined from topographic maps. Storage in any off-channel areas or

tributaries is accounted for by these surface area determinations. The elevations are selected to define the overbank and tributary areas over the range of expected flood depths. Using the surface area by elevation input data specified in Section 2.3.1 of Reference 2 as input to the WWIDTH program, an equivalent B_w is calculated for each cross section. Using the equivalent B_w of each cross section, the total volume for a reservoir, including storage in tributaries, can be determined.

2.2 CONVEY Theoretical basis

Using the methodology described in Appendix B of Reference 2 the CONVEY code calculates the cross-sectional area and the composite hydraulic radius raised to the two thirds power ($R^{2/3}$), by elevation for a given segmented cross section in the reservoir.

The data points to describe the reservoir cross sections are typically developed from topographic maps, or from plots of values used as input in earlier developed and calibrated backwater models. The number of points used to describe each section varies is based on the minimum needed points to accurately define the flow area. The number of segments selected for the cross sections can vary and depends on changes in the Manning's n values across the section and over one-half reach in either direction. Using the cross sectional input data specified in Section 2.3.2 and the methodology described in Appendix B of Reference 2, the CONVEY program computes the cross-sectional area and a composite value of $R^{2/3}$ for user-specified elevations (generally at 5- to 20-foot intervals), starting at the channel bottom.

3. INPUT AND OUTPUT FEATURES

3.1 Input – WWIDTH & CONVEY

3.1.1 Input Features – WWIDTH

In the WWIDTH input file, the following information required by Section 2.3.1 of Reference 2 is specified:

- Number of input cross-sections and number of input elevations
- Number of output cross-sections
- Number and spacing of output elevations
- Surface area between cross-sections at specified input elevations
- Bottom elevation of each output cross-section
- River mile of input cross-sections
- Distance between output cross-sections

3.1.2 Input Features – CONVEY

In the CONVEY input file, the following information required by Section 2.3.2 of Reference 2 is specified:

- Number of cross-sections
- Number of segments for each cross-section
- Coordinates of the points that define the cross-sections
- Cross-section segment corresponding to the area between points used to define Mannings' n
- Number of elevations at which output is required
- Output elevation interval

3.2 Output – WWIDTH & CONVEY

3.2.1 Output Features– WWIDTH

Using the input data described in Section 3.1.1 and the methodology described in Appendix A of Reference 2, the weighted width is calculated. The output for WWIDTH required by Section 2.3.3 of Reference 2 provides the following:

- An echo of all input data rearranged for computation purposes
- Tables of elevations, areas, cumulative areas, and widths used for computation
- Table for each cross-section with cumulative area and weighted width (variable HWIDTH in the code) at specified elevations

The output of WWIDTH provides a data file for input to the SOCH computer code consistent with the requirements of Appendix C of Reference 2.

The following responses to valid and invalid inputs and responses to abnormal situations are produced by WWIDTH:

- When WWIDTH functions normally, the output file is created
- When WWIDTH is subjected to abnormal input conditions, such as designating the output elevations completely outside of the range of the input elevations, the output file is still created and no warning messages are generated. Therefore, it is the responsibility of the user to verify the WWIDTH input file for validity before running WWIDTH.

3.2.2 Output Features– CONVEY

Using the input data described in Section 3.1.2 and the methodology described in Appendix B of Reference 2, the cross sectional area and the hydraulic radius are calculated. The output for CONVEY required by Section 2.3.4 of Reference 2 provides the following:

- An echo of all input data
- Tables with cross-section characteristics including cross sectional area, wetted perimeter, hydraulic radius raised to the two thirds power ($R^{2/3}$), top width, and Manning's n for each segment, as well as composite values (for the entire cross-section) of the above parameters at each specified elevation for each section

The output of CONVEY provides a data file for input to the SOCH computer code consistent with the requirements of Appendix C of Reference 2.

The following responses to valid and invalid inputs and responses to abnormal situations are produced by CONVEY:

- When CONVEY functions normally, the output file is created
- When CONVEY is subjected to abnormal input conditions, such as the designation of segment numbers out of sequence, the output file is still created and no warning messages are generated. Therefore, it is the responsibility of the user to verify the CONVEY input file for validity before running CONVEY.

4. DESIGN CONSTRAINT LIMITATIONS

There are no major limitations in the use of WWDTH and CONVEY related to the nature of the calculations performed by these codes. The primary limitations arise from the dimensions of the arrays in these codes. For example, in WWIDTH, the maximum number of sections must be no greater than 60 and the maximum number of surfaces between sections at different elevations is 30.

In CONVEY, the number of cross sections for which the conveyance is calculated should be no greater than 200, and the number of segments with different Manning's n number within each cross section should be no greater than 9.

These limitations can be overcome by editing the source code to increase the dimensions of the arrays for the above variables and recompiling the code to create a new executable one. Source code change must comply with the requirements of Reference 2, Section 3.3.2.

5. REFERENCES

1. TVA, 2008: SPP-2.6, Computer Software Control
2. TVA, 2008: WWIDTH Version 1.0 and CONVEY Version 1.0 SRS (EDMS No. L58081219002)

L 58 091223 005

Tennessee Valley Authority

SOFTWARE VERIFICATION AND VALIDATION REPORT

(SVVR)

WEIGHTED WIDTH (WWIDTH)

Version 1.0

CONVEYANCE (CONVEY)

Version 1.0

	R0	R1	R2	R3
Prepared	Lena Ireland	James Kelley		
Reviewed	Angelos Findikakis	Eric King		
Approved				
		K.F. Spates		
Issue Date		12-23-09		

L58 090210 005

Tennessee Valley Authority

SOFTWARE VERIFICATION AND VALIDATION REPORT

(SVVR)

WEIGHTED WIDTH (WWIDTH)

Version 1.0

CONVEYANCE (CONVEY)

Version 1.0

	R0	R1	R2	R3
Prepared	Lena Ireland			
Reviewed	Angelos Findikakis			
Approved	K.R. Yates			
	K.R. Yates			
Issue Date	2-10-09			

REVISION LOG		
Revision Number	**Description of Revision**	**Date Approved**
0	Original Issue - Issued in support of the WWIDTH and CONVEY computer codes used to prepare channel geometry input data for the SOCH computer code, Version SOCH90PC.	
1	Revised to include Reference 7 associated with the SOCH Software Operability Procedure and Results. (Page 31)	

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2. WWIDTH and CONVEY output data files in folder
   "WWIDTH-CONVEY SVVR - Electronic Attachment 2 - Test_Problems_Output"
3. WWIDTH and CONVEY source code and executable used to perform the tests reported in this SVVR in folder
   "WWIDTH-CONVEY SVVR - Electronic Attachment 3 - Source_&_Executable"
4. Independent calculation EXCEL files in folder
   "WWIDTH-CONVEY SVVR - Electronic Attachment 4 - Independent_Calculations"

SYMBOLS

A	cross sectional area
A_i	the cross sectional area of segment i
$\overline{A}_M$	surface area of the main channel
$\overline{A}_{S1}$	surface area corresponding to bottom of elevation interval Δh
$\overline{A}_{S2}$	surface area corresponding to top of elevation interval Δh
$\overline{A}_T$	surface area of the tributary
B	width
B_L	actual top width of the river channel at the u/s end of reach $2\Delta x$
B_M	actual top width of the river channel at the middle of reach $2\Delta x$
B_R	actual top width of the river channel at the d/s end of reach $2\Delta x$
B_S	increase of the average width of the river channel due to off-channel storage.
B_W	weighted width
C_t	total conveyance
d/s	downstream
n_i	Manning's n of segment i
R	hydraulic radius
R_i	the hydraulic radius of segment i
Δh	incremental water depth
Δt	time step
Δx	distance between sections

ABBREVIATIONS

d/s	downstream
u/s	upstream

ACRONYMS

PC	Personal Computer
SOCH	Simulated Open Channel Hydraulics
SRS	Software Requirements Specification
SVVR	Software Validation and Verification Report
TVA	Tennessee Valley Authority

1. INTRODUCTION

1.1 Background

The computer programs WWIDTH and CONVEY calculate the required geometric data used by the Simulated Open Channel Hydraulics computer code for each cross section and stream reach. The table of geometric data input to SOCH for each cross section is made up of up to 21 vertical steps, starting at, or below, the channel bottom. The parameters included in this table are:

- elevation
- cross sectional area (A)
- composite hydraulic radius raised to the 2/3 power ($R^{2/3}$)
- weighted width (B_w)

The first parameter (elevation) is defined by the user, the next two are calculated by the code CONVEY based on the user-provided elevation and cross sectional data, and the last parameter (weighted width [B_w]) is calculated by WWIDTH. The SOCH program interpolates values for these parameters from the geometry table based on elevation. The purpose of these calculations is to determine the maximum flood level at specific locations of interest along the river, such as the Bellefonte site.

WWIDTH and CONVEY were developed and used by the Tennessee Valley Authority (TVA) during the same timeframe as SOCH and they were originally run on a mainframe computer. Later they were transferred to the personal computer (PC).

1.2 Scope

The scope of this report is limited to verifying the numerical solutions of the equations used and solved by WWIDTH and CONVEY. The theoretical basis of the codes and the equations they solve are described in the WWIDTH and CONVEY User's Manual (Reference 1).

Section 2.1 of this document describes the plan for testing the WWIDTH functionality. Section 2.2 describes the results of the tests of the WWIDTH code. Section 3.1 of this document describes the plan for testing the CONVEY functionality. Section 3.2 describes the results of the tests of the CONVEY code. Section 4 gives the summary and conclusions of the WWIDTH and CONVEY functionality testing. References are listed in Section 5.

2. WWIDTH

2.1 Plan for Testing WWIDTH Functionality

2.1.1 Overview

The plan for testing the functionality of WWIDTH is defined in the WWIDTH and CONVEY SRS, Section 3.0 (Reference 2) and SPP-2.6 Computer Software Control (Reference 3), Appendix G. The WWIDTH Test Plan consists of a comparison of the solution of test problems obtained with the WWIDTH to independent calculations. The test plan serves to evaluate the program's capabilities and limitations as related to TVA design applications. The test problems, which are described in Section 2.1.2, were selected to be representative of typical TVA applications of the program.

Changes or modifications to the WWIDTH computer program shall be documented as required in Section 3.3 of Reference 3.

The test problems specified here are intended to assess the extent of possible program features and options likely to be required for safety-related design analysis. These test problems were run using WWIDTH Version 1.0.

2.1.2 Test Problems to Show WWIDTH Functionality

- **Test Problem 1:** Fort Patrick Henry Reservoir.

  This problem is intended to ensure that WWIDTH properly calculates the weighted width at specified cross-sections in the reservoir using the equations outlined in the WWIDTH and CONVEY User's Manual (Reference 1).

  Table 1 gives the surface areas between sections at different elevations in the Fort Patrick Henry Reservoir used as input to Test problem 1 (Reference 4).

Table 1. Surface areas between sections of the Fort Patrick Henry Reservoir

Water Surface Elevation (ft)	Surface Area Between River Miles										
	18.6 and 18	18 and 16.9	16.9 and 16.1	16.1 and 15.1	15.1 and 14.1	14.1 and 13.6	13.6 and 12.7	12.7 and 11.6	11.6 and 10.6	10.6 and 9.6	9.6 and 8.2
1175	0	0	0	0	0	0	0	0	0	0	0
1180	0	0	0	0	0	0	0	0	0	0	0.70
1190	0	0	0	0	0	0	0	0	0	0	9.09
1200	0	0	0	0	0	0	0	2.79	5.36	4.81	36.06
1210	0	0	0	0	0	0.42	1.25	12.46	29.83	44.46	72.03
1220	0	0	0	0	0	4.17	20.78	32.65	46.29	78.05	106.16
1230	0	0	0	3.88	18.06	14.94	35.04	46.56	55.43	89.56	113.55
1240	0	0	9.73	27.55	38.11	34.09	43.41	63.80	65.77	106.82	122.21
1250	0.83	18.01	29.29	31.89	44.56	46.11	53.09	84.76	70.87	116.98	131.35
1263	28.35	59.83	44.44	55.61	68.85	59.07	61.68	136.94	81.66	132.50	142.95
1268	38.00	69.44	53.94	63.33	79.73	65.67	69.56	158.71	90.62	146.17	154.60
1360	195.60	183.64	231.40	167.10	299.30	309.40	143.20	531.64	402.17	639.98	323.21
1460	877.80	1321.90	1122.90	334.20	576.60	857.60	537.15	1816.65	1643.12	1189.07	1099.10
1520	1365.00	2160.00	1760.00	485.00	780.00	1250.00	830.00	2725.00	2580.00	1620.00	1735.00

- **Test Problem 2:** Rectangular channel section of constant width and zero slope.

  This problem is intended to ensure that WWIDTH properly solves for the weighted width at specified cross-sections in a 5 mile section of a rectangular channel with a constant width of 100 ft. Figure 1 gives a schematic definition of the channel geometry used in the WWIDTH Test Problem 2.

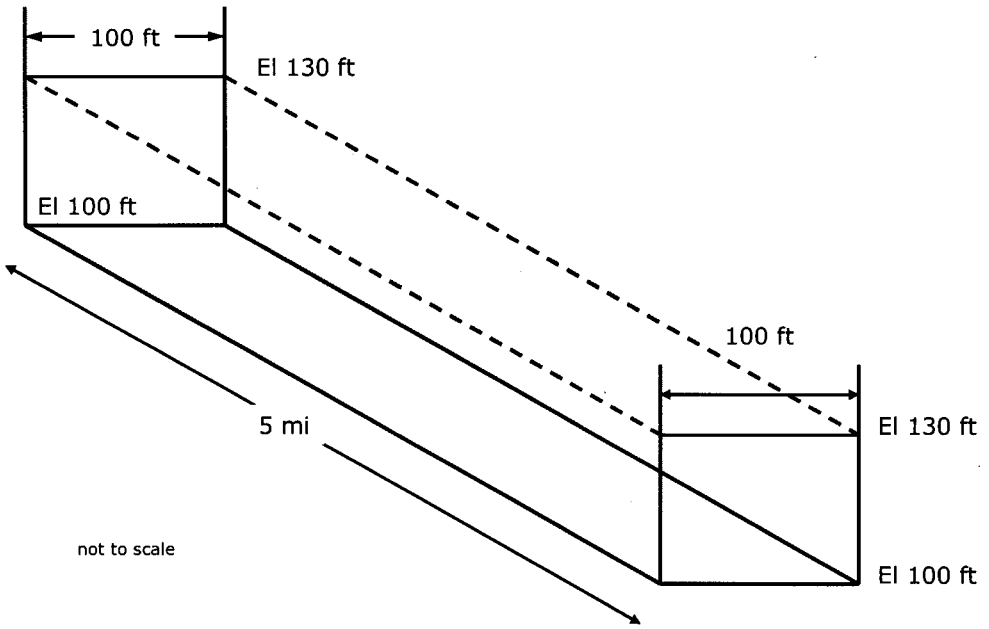


Figure 1. Schematic definition of WWIDTH Test Problem 2

- **Test Problem 3:** Rectangular channel section with width increasing in the downstream direction and zero slope.

  This problem is intended to ensure that WWIDTH properly solves for the weighted width at specified cross-sections in a 5 mile section of rectangular channel with the width increasing in the downstream direction from 50 ft to 100 ft. Figure 2 gives a schematic definition of the channel geometry used in the WWIDTH Test Problem 3.

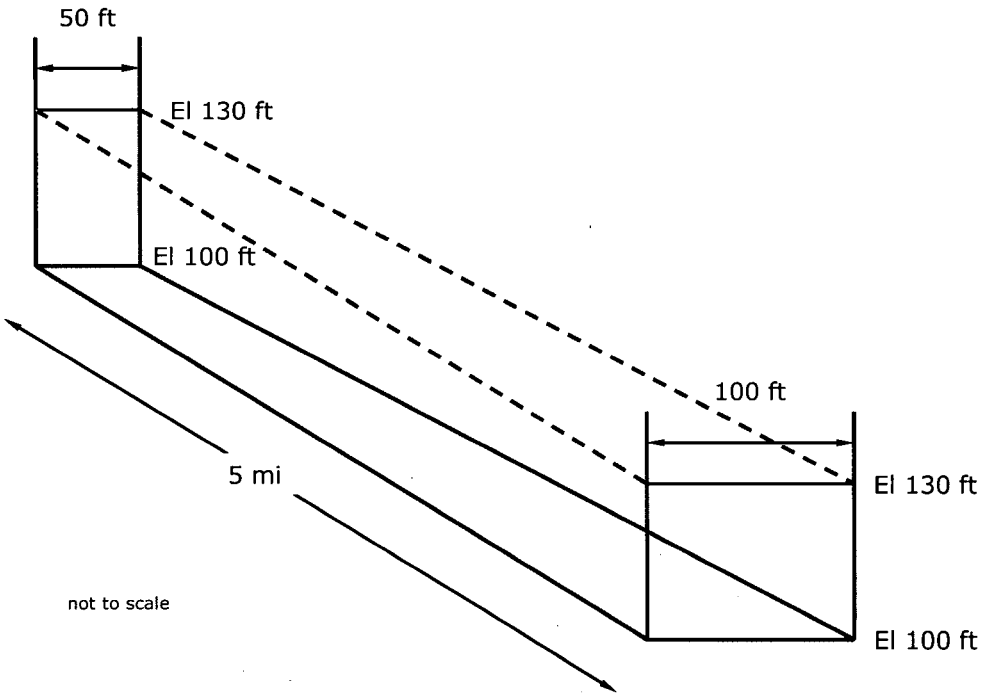


Figure 2. Schematic definition of WWIDTH Test Problem 3

- **Test Problem 4:** Rectangular channel section with width increasing in the downstream direction with a tributary and zero slope.

  This problem is identical to Test Problem 3, with the exception that a 50 ft by 1 mile side embayment is introduced in the middle of the channel, i.e. 2.5 miles from either end. This problem is intended to ensure that WWIDTH properly handles the inclusion of tributary storage areas. Figure 3 gives a schematic definition of the channel geometry used in the WWIDTH Test Problem 4.

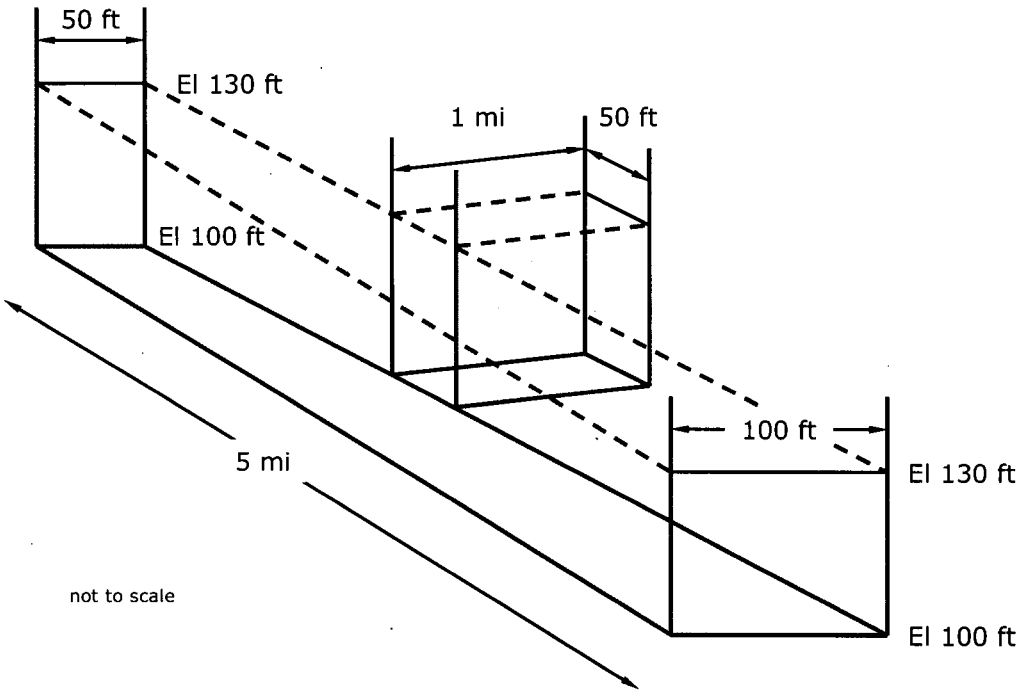


Figure 3. Schematic definition of WWIDTH Test Problem 4

- **Test Problem 5:** Trapezoidal channel section of constant width with a slope down the channel and all sections submerged.

  This problem is intended to ensure that WWIDTH properly solves for the weighted width at specified cross-sections in a 5 mile section of trapezoidal channel where all the input and output sections are submerged. The channel section used has a bottom width of 30 ft, side slopes of 2:1, and a slope of 10 ft per 1 mile down the channel. Figure 4 gives a schematic definition of the channel geometry used in the WWIDTH Test Problem 5.

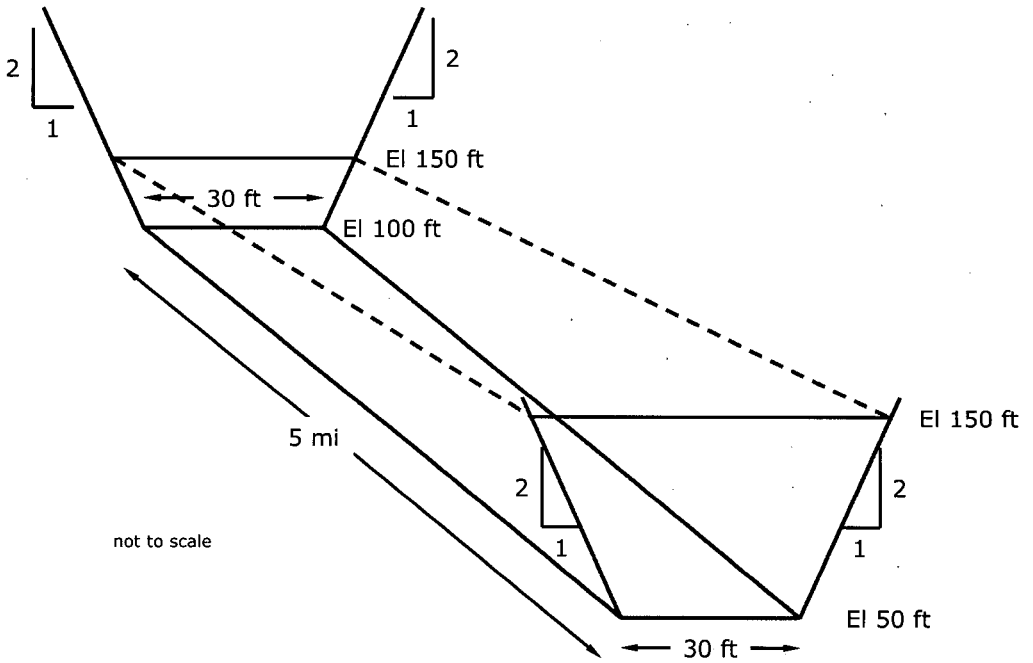


Figure 4. Schematic definition of WWIDTH Test Problem 5

- **Test Problem 6:** Trapezoidal channel section of constant width with a slope down the channel and some sections dry.

  This problem is identical to Test Problem 5 with the exception that some of the input and output sections are dry. This problem is intended to ensure that WWIDTH properly handles the transition from dry to wet sections. Figure 5 gives a schematic definition of the channel geometry used in the WWIDTH Test Problem 6.

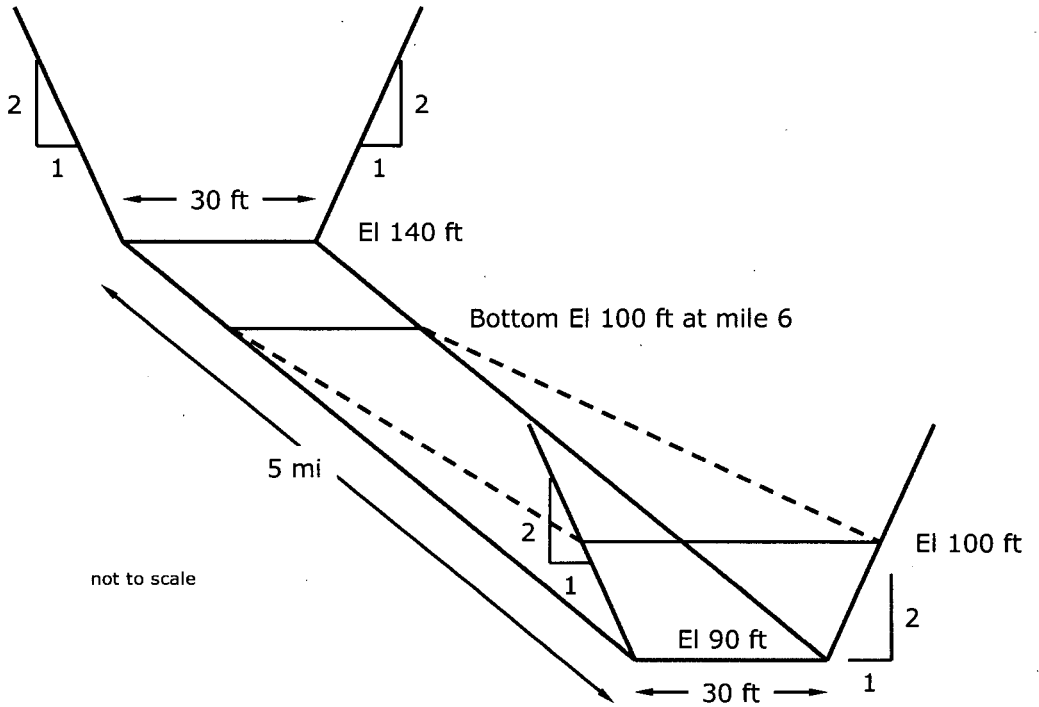


Figure 5. Schematic definition of WWIDTH Test Problem 6

2.1.3 Solution Method Used in the Independent Calculations

The independent calculations used the same general method for calculating weighted width given in Reference 1, as described below.

The weighted width parameter (B_w) is one of four elements for the SOCH geometry input and is used to account for reservoir storage. In order to determine the weighted width, first the surface area between cross sections for a series of elevations is determined from topographic maps, as shown on Figure 6. Storage in any off-channel areas or tributaries is accounted for by these surface area determinations. The elevations are selected to define the overbank and tributary areas over the range of expected flood depths. Using the surface area by elevation data as input to the WWIDTH program, an equivalent B_w is determined for each cross section such that the total volume of a reservoir, including storage in tributaries, can be determined.

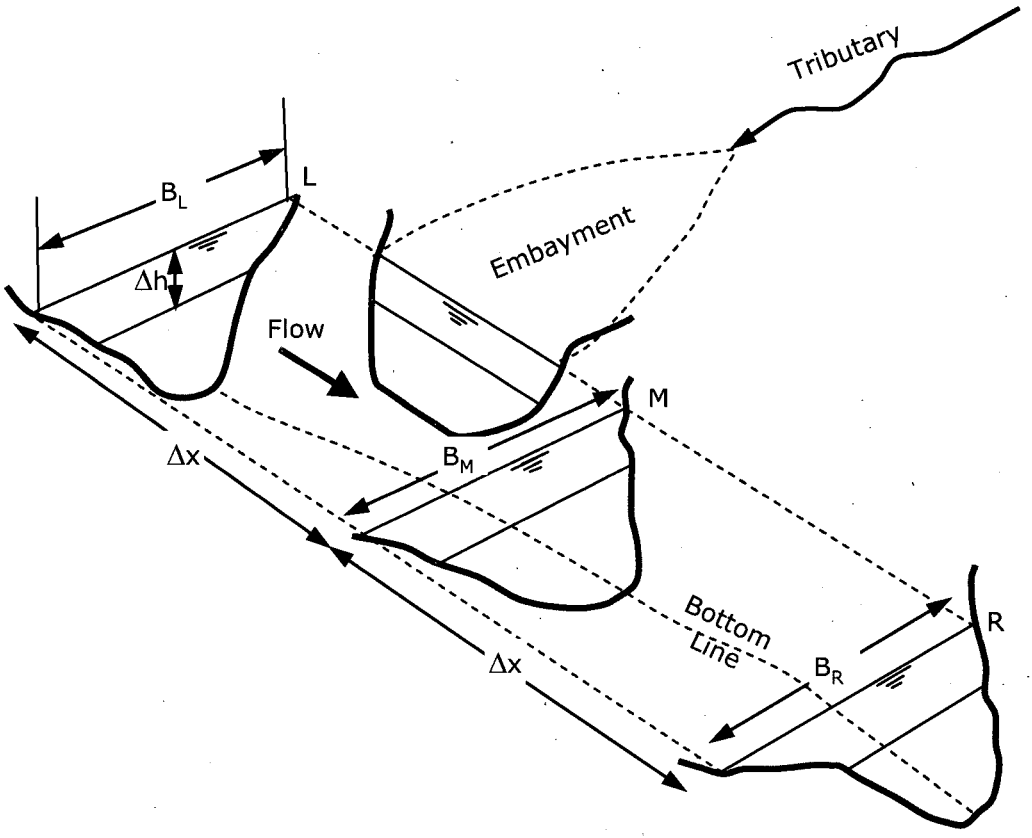


Figure 6. Weighted Width Schematic

Referring to Figure 6, the volume of water $V_{2\Delta X}$ stored between cross sections L and R located $2\Delta x$ apart, at any instant of time and for any given water surface elevation may be expressed by:

$$V_{2\Delta x} = V_o + \Delta V \quad (1)$$

where:

V_o = reference volume equal to the volume in the reach $2\Delta x$ corresponding to the minimum water surface elevation expected; and

ΔV = volume increment due to water levels located within a depth increment Δh. The total volume above the minimum water level can be obtained by summing all the ΔV's above the minimum pool.

Equation (1) may be written as:

$$V_{2\Delta x} - V_o = \Delta V = B_W \Delta h \cdot 2\Delta x \tag{2}$$

where:

B_W = weighted width; and

Δh = incremental water depth

Solving Equation (2) for B_W gives:

$$B_W = \frac{\Delta V}{2\Delta h \Delta x} = \frac{\overline{A}_S \Delta h}{2\Delta h \Delta x} = \frac{\overline{A}_S}{2\Delta x} \tag{3}$$

where:

$\overline{A}_S$ = mean water surface area in reach $2\Delta x$ and elevation interval Δh.

$\overline{A}_S$ may be computed from:

$$\overline{A}_S \approx \frac{\overline{A}_{S1} + \overline{A}_{S2}}{2} \tag{4}$$

where:

$\overline{A}_{S1}$ = surface area corresponding to bottom of elevation interval Δh

$\overline{A}_{S2}$ = surface area corresponding to top of elevation interval Δh

For fairly small elevation intervals, $\overline{A}_{S1}$ and $\overline{A}_{S2}$ are practically equal.

The weighted width at interior points, i.e. cross section nodes that are not attached to the boundaries, (see Section M in Figure 6) may be expressed by:

$$B_W = \overbrace{\frac{B_L + 2B_M + B_R}{4}}^{BASED\ ON\ FLOW\ SECTIONS} + \overbrace{B_S}^{STORAGE} \tag{5}$$

where:

B_L = the actual top width of the river channel at the u/s end of reach $2\Delta x$;

B_M = the actual top width of the river channel at the middle of reach $2\Delta x$;

B_R = the actual top width of the river channel at the d/s end of reach $2\Delta x$; and

B_S = the increase of the average width of the river channel due to off-channel storage.

Equation (5) is a generalized equation relating weighted width B_W to the top widths B_L, B_M, and B_R as illustrated in Figure 6, with B_S as a lumped off-channel width. Equation (5) is not directly implemented in the code.

Equation (3) may be written as:

$$B_W = \frac{\overline{A}_M}{2\Delta x} + \frac{\overline{A}_T}{2\Delta x} \tag{6}$$

where:

$\overline{A}_M$ = the surface area of the main channel between B_L and B_R

$\overline{A}_T$ = the surface area of the tributary

Equation (6), can also be written as:

$$B_W = \frac{B_L + 2B_M + B_R}{4} + \frac{\overline{A}_T}{2\Delta x} \tag{7}$$

DBREACH uses Equation (6) to calculate the weighted width.

Boundary Points

In this case, only two cross sections located Δx apart are used. For left, or upstream, boundaries:

$$B_W = \frac{B_L + B_M}{2} + \frac{\overline{A}_T}{\Delta x} \tag{8}$$

and for downstream boundaries:

$$B_W = \frac{B_M + B_R}{2} + \frac{\overline{A}_T}{\Delta x} \tag{9}$$

B_W in Equation (7) is assumed to apply at the center of the reach $2\Delta x$, while B_W in Equations (8) and (9) are assumed to apply at the left or right end of the reach, respectively.

Equations (8) and (9) may be written as:

$$B_W = \frac{\overline{A}_M}{\Delta x} + \frac{\overline{A}_T}{\Delta x} \tag{10}$$

where:

$\overline{A}_M$ = the surface area of the main channel between B_M and either B_L for upstream boundaries or B_R for downstream boundaries

$\overline{A}_T$ = the surface area of the tributary

DBREACH uses Equation (10) to calculate the weighted width at the boundary sections.

2.2 WWIDTH Test Results

2.2.1 Test Problems to Show WWIDTH Functionality

Input files to WWIDTH for each test problem are included in electronic form as Attachment 1. WWIDTH output files for each test problem are included in electronic form as Attachment 2. The WWIDTH source code and the executable that was used for these tests are included in the electronic Attachment 3. Solutions to the test problems using WWIDTH were compared to the independent calculations performed with the same theoretical basis outlined in the WWIDTH and CONVEY User's Manual (Reference 1) and using Microsoft Excel 2003 SP3. The Excel files used for independent calculation are included as Attachment 4. The results of these comparisons are presented below.

Table 2 gives the names of the Excel files used for the validation of WWIDTH. All these files are included in the Electronic Attachment 4.

Table 2. List of Excel Files used for the Validation of WWIDTH

Test Problem	Excel File Name in Electronic Attachment 4
Test Problem 1	WWidth_sample1.xls
Test Problem 2	WWidth_sample2-6.xls
Test Problem 3	WWidth_sample2-6.xls
Test Problem 4	WWidth_sample2-6.xls
Test Problem 5	WWidth_sample2-6.xls
Test Problem 6	WWidth_sample2-6.xls

A comparison of the weighted widths calculated using the WWIDTH code and the weighted widths calculated through independent calculations for Test Problem 1 is presented in Table 3.

For Test Problems 2 through 6, the actual widths of the cross-sections are known exactly. Therefore, tables of the actual widths at designated cross-sections were compared with the weighted widths calculated using the WWIDTH code and independent calculations for these problems. Table 4 presents the results for Test Problem 2, Table 5 presents the results for Test Problem 3, and Table 6 presents the results for Test Problem 4. The weighted width estimates presented in Table 4, Table 5 and Table 6 are independent of elevation, because the cross section used in these three problems is rectangular. Table 7 presents the results for Test Problem 5, while Table 8 presents the results for Test Problem 6.

Table 3. Comparison of WWIDTH and Independent Calculation Results for Test Problem 1

River Mile	Water Surface Elevation (ft)	Weighted Width	
		WWIDTH (ft)	Independent Excel Calculation (ft)
18.60	1255	198.73	198.73
	1265	457.55	457.55
	1275	644.48	644.48
	1285	819.75	819.75
	1295	995.03	995.03
	1305	1170.31	1170.31
	1315	1345.59	1345.59
	1325	1520.87	1520.87
	1335	1696.14	1696.14
	1345	1871.42	1871.42
	1355	2046.70	2046.70
	1365	2585.51	2585.51
	1375	3487.86	3487.86
	1385	4390.21	4390.21
	1395	5292.55	5292.55
	1415	7097.25	7097.25
	1435	8901.94	8901.94
	1455	10706.64	10706.63
	1475	12788.85	12788.85
	1495	14963.57	14963.57
	1515	17138.30	17138.29
17.56	1246.1	86.39	86.39
	1256.1	272.35	272.35
	1266.1	491.94	491.94
	1276.1	652.12	652.12
	1286.1	805.64	805.64
	1296.1	959.16	959.16
	1306.1	1112.68	1112.68
	1316.1	1266.20	1266.20
	1326.1	1419.72	1419.72
	1336.1	1573.24	1573.24
	1346.1	1726.76	1726.76
	1356.1	1880.28	1880.28
	1366.1	2483.07	2483.07
	1376.1	3373.08	3373.09
	1386.1	4263.10	4263.10
	1406.1	6043.13	6043.14
	1426.1	7823.17	7823.17
	1446.1	9603.20	9603.21
	1466.1	11496.78	11496.78
	1486.1	13649.08	13649.08
	1506.1	15801.38	15801.39

River Mile	Water Surface Elevation (ft)	Weighted Width	
		WWIDTH (ft)	Independent Excel Calculation (ft)
16.52	1236.5	72.46	72.46
	1246.5	191.57	191.57
	1256.5	346.43	346.43
	1266.5	511.07	511.08
	1276.5	648.65	648.65
	1286.5	782.44	782.44
	1296.5	916.22	916.22
	1306.5	1050.01	1050.01
	1316.5	1183.79	1183.80
	1326.5	1317.58	1317.58
	1336.5	1451.37	1451.37
	1346.5	1585.15	1585.15
	1356.5	1718.94	1718.94
	1366.5	2198.39	2198.39
	1376.5	2863.96	2863.96
	1396.5	4195.11	4195.11
	1416.5	5526.26	5526.27
	1436.5	6857.42	6857.42
	1456.5	8188.57	8188.57
	1476.5	9766.90	9766.91
	1496.5	11397.67	11397.68
15.48	1228	50.13	50.13
	1238	195.97	195.97
	1248	289.16	289.16
	1258	420.57	420.57
	1268	572.23	572.23
	1278	719.61	719.61
	1288	866.99	866.99
	1298	1014.37	1014.37
	1308	1161.75	1161.75
	1318	1309.13	1309.13
	1328	1456.51	1456.51
	1338	1603.89	1603.89
	1348	1751.28	1751.27
	1358	1898.66	1898.66
	1368	2187.74	2187.74
	1388	2836.76	2836.76
	1408	3485.78	3485.77
	1428	4134.79	4134.79
	1448	4783.81	4783.81
	1468	5500.85	5500.85
	1488	6319.93	6319.93

River Mile	Water Surface Elevation (ft)	Weighted Width	
		WWIDTH (ft)	Independent Excel Calculation (ft)
14.44	1225	101.24	101.24
	1235	266.89	266.89
	1245	410.32	410.32
	1255	527.98	527.98
	1265	680.72	680.72
	1275	890.13	890.13
	1285	1113.92	1113.92
	1295	1337.72	1337.72
	1305	1561.51	1561.51
	1315	1785.31	1785.31
	1325	2009.10	2009.10
	1335	2232.90	2232.90
	1345	2456.69	2456.69
	1355	2680.49	2680.49
	1365	2986.05	2986.05
	1385	3760.71	3760.71
	1405	4535.38	4535.38
	1425	5310.04	5310.04
	1445	6084.70	6084.70
	1465	6903.07	6903.07
	1485	7852.59	7852.59
13.40	1211	33.61	33.61
	1221	153.06	153.06
	1231	295.41	295.41
	1241	449.05	449.05
	1251	571.48	571.48
	1261	711.64	711.64
	1271	904.07	904.07
	1281	1122.78	1122.78
	1291	1341.49	1341.49
	1301	1560.19	1560.19
	1311	1778.90	1778.90
	1321	1997.61	1997.61
	1331	2216.31	2216.31
	1341	2435.02	2435.02
	1351	2653.73	2653.73
	1371	3476.04	3476.05
	1391	4613.29	4613.29
	1411	5750.53	5750.53
	1431	6887.78	6887.78
	1451	8025.02	8025.02
	1471	9289.52	9289.52

River Mile	Water Surface Elevation (ft)	Weighted Width	
		WWIDTH (ft)	Independent Excel Calculation (ft)
	1209	79.47	79.47
	1219	229.15	229.15
	1229	343.40	343.40
	1239	449.44	449.44
	1249	566.81	566.81
	1259	748.60	748.60
	1269	967.04	967.04
	1279	1190.12	1190.12
	1289	1413.20	1413.20
	1299	1636.28	1636.28
12.36	1309	1859.36	1859.36
	1319	2082.44	2082.44
	1329	2305.52	2305.52
	1339	2528.60	2528.60
	1349	2751.68	2751.68
	1369	3689.20	3689.20
	1389	5227.25	5227.25
	1409	6765.31	6765.31
	1429	8303.36	8303.36
	1449	9841.42	9841.42
	1469	11519.35	11519.36
	1195	17.51	17.51
	1205	121.95	121.95
	1215	290.52	290.52
	1225	416.63	416.63
	1235	516.20	516.20
	1245	616.56	616.56
	1255	740.88	740.88
	1265	912.35	912.35
	1275	1199.35	1199.35
	1285	1512.88	1512.88
11.32	1295	1826.40	1826.40
	1305	2139.93	2139.93
	1315	2453.46	2453.46
	1325	2766.98	2766.98
	1335	3080.51	3080.51
	1355	3707.56	3707.56
	1375	5235.38	5235.38
	1395	7063.46	7063.46
	1415	8891.54	8891.54
	1435	10719.61	10719.61
	1455	12547.69	12547.69

River Mile	Water Surface Elevation (ft)	Weighted Width	
		WWIDTH (ft)	Independent Excel Calculation (ft)
10.28	1202.5	137.12	137.12
	1212.5	388.76	388.76
	1222.5	569.86	569.86
	1232.5	656.04	656.04
	1242.5	752.20	752.20
	1252.5	820.38	820.38
	1262.5	900.53	900.53
	1272.5	1143.96	1143.96
	1282.5	1472.26	1472.26
	1292.5	1800.55	1800.55
	1302.5	2128.84	2128.84
	1312.5	2457.14	2457.14
	1322.5	2785.43	2785.43
	1332.5	3113.73	3113.73
	1342.5	3442.02	3442.02
	1362.5	4179.36	4179.36
	1382.5	5481.98	5481.98
	1402.5	6784.60	6784.60
	1422.5	8087.22	8087.22
	1442.5	9389.83	9389.84
	1462.5	10739.35	10739.35
9.24	1193.5	78.04	78.04
	1203.5	243.36	243.36
	1213.5	484.70	484.70
	1223.5	652.70	652.70
	1233.5	720.25	720.25
	1243.5	795.11	795.11
	1253.5	860.15	860.15
	1263.5	932.66	932.66
	1273.5	1127.04	1127.04
	1283.5	1344.50	1344.50
	1293.5	1561.96	1561.96
	1303.5	1779.42	1779.42
	1313.5	1996.88	1996.88
	1323.5	2214.34	2214.34
	1333.5	2431.79	2431.79
	1353.5	2866.71	2866.71
	1373.5	3623.45	3623.45
	1393.5	4535.13	4535.13
	1413.5	5446.81	5446.81
	1433.5	6358.49	6358.49
	1453.5	7270.18	7270.17

River Mile	Water Surface Elevation (ft)	Weighted Width	
		WWIDTH (ft)	Independent Excel Calculation (ft)
8.20	1193.5	109.19	109.19
	1203.5	286.68	286.68
	1213.5	494.86	494.86
	1223.5	640.83	640.83
	1233.5	687.00	687.00
	1243.5	739.02	739.02
	1253.5	792.43	792.43
	1263.5	849.25	849.25
	1273.5	970.44	970.44
	1283.5	1078.44	1078.43
	1293.5	1186.44	1186.43
	1303.5	1294.43	1294.43
	1313.5	1402.43	1402.43
	1323.5	1510.43	1510.43
	1333.5	1618.43	1618.43
	1353.5	1834.43	1834.43
	1373.5	2521.88	2521.88
	1393.5	3436.32	3436.32
	1413.5	4350.76	4350.76
	1433.5	5265.20	5265.20
	1453.5	6179.65	6179.65

Table 4. Comparison of Actual Width, WWIDTH, and Independent Calculation Results for Test Problem 2

River Mile	Actual Width (ft)	Weighted Width		
		Between River Miles	WWIDTH (ft)	Independent Excel Calculation (ft)
10	100	9 and 10	100	100
9	100	8 and 10	100	100
8	100	7 and 9	100	100
7	100	6 and 8	100	100
6	100	5 and 7	100	100
5	100	5 and 6	100	100

Table 5. Comparison of Actual Width, WWIDTH, and Independent Calculation Results for Test Problem 3

River Mile	Actual Width (ft)	Weighted Width		
		Between River Miles	WWIDTH (ft)	Independent Excel Calculation (ft)
10	50	9 and 10	55	55
9	60	8 and 10	60	60
8	70	7 and 9	70	70
7	80	6 and 8	80	80
6	90	5 and 7	90	90
5	100	5 and 6	95	95

Table 6. Comparison of Actual Width, WWIDTH, and Independent Calculation Results for Test Problem 4

River Mile	Actual Width (ft)	Weighted Width		
		Between River Miles	WWIDTH (ft)	Independent Excel Calculation (ft)
10	50	9 and 10	55	55
9	60	8 and 10	60	60
8	70*	7 and 9	95	95
7	80*	6 and 8	105	105
6	90	5 and 7	90	90
5	100	5 and 6	95	95

*50 ft by 1 mile tributary located between River Miles 7 and 8.

Table 7. Comparison of Actual Width, WWIDTH, and Independent Calculation Results for Test Problem 5

River Mile	Water Surface Elevation (ft)	Actual Width (ft)	Weighted Width		
			Between River Miles	WWIDTH (ft)	Independent Excel Calculation (ft)
10	100	30	9 and 10	35	35
	110	40		45	45
	120	50		55	55
	130	60		65	65
	140	70		75	75
	150	80		85	85
9	100	40	8 and 10	40	40
	110	50		50	50
	120	60		60	60
	130	70		70	70
	140	80		80	80
	150	90		90	90
8	100	50	7 and 9	50	50
	110	60		60	60
	120	70		70	70
	130	80		80	80
	140	90		90	90
	150	100		100	100
7	100	60	6 and 8	60	60
	110	70		70	70
	120	80		80	80
	130	90		90	90
	140	100		100	100
	150	110		110	110
6	100	70	5 and 7	70	70
	110	80		80	80
	120	90		90	90
	130	100		100	100
	140	110		110	110
	150	120		120	120
5	100	80	5 and 6	75	75
	110	90		85	85
	120	100		95	95
	130	110		105	105
	140	120		115	115
	150	130		125	125

Table 8. Comparison of Actual Width, WWIDTH, and Independent Calculation Results for Test Problem 6

River Mile	Water Surface Elevation (ft)	Actual Width (ft)	Weighted Width		
			Between River Miles	WWIDTH (ft)	Independent Excel Calculation (ft)
10	100	0	9 and 10	0	0
	110	0		0	0
	120	0		0	0
	130	0		0	0
	140	30		35	35
	150	40		45	45
9	100	0	8 and 10	0	0
	110	0		0	0
	120	0		0	0
	130	30		17.5	17.5
	140	40		40	40
	150	50		50	50
8	100	0	7 and 9	0	0
	110	0		0	0
	120	30		17.5	17.5
	130	40		40	40
	140	50		50	50
	150	60		60	60
7	100	0	6 and 8	0	0
	110	30		17.5	17.5
	120	40		40	40
	130	50		50	50
	140	60		60	60
	150	70		70	70
6	100	30	5 and 7	17.5	17.5
	110	40		40	40
	120	50		50	50
	130	60		60	60
	140	70		70	70
	150	80		80	80
5	100	40	5 and 6	35	35
	110	50		45	45
	120	60		55	55
	130	70		65	65
	140	80		75	75
	150	90		85	85

For all six Test Problems there are no differences between the weighted widths obtained from WWIDTH and those obtained through independent calculation.

For Test Problem 1 the weighted width values obtained by the two methods are not identical, however these slight differences can be attributed to the rounding used in WWIDTH. The WWIDTH results for the estimated weighted widths are reported with only two significant digits. The maximum difference between the estimate obtained with WWIDTH and the estimate from the independent Excel calculation is 0.01 ft.

For Test Problems 3 through 6, the weighted widths estimated with WWIDTH are in perfect agreement with those obtained with the independent Excel calculations.

2.2.2 Response of WWIDTH to Abnormal Input Data

WWIDTH has no built-in safeguards to warn users when abnormal situations arise during operation of the program. Therefore, as long as values of the proper dimension are input for each expected variable, WWIDTH will produce an output file, regardless of whether the input data are logical or not. Therefore, it is possible for WWIDTH to appear to have functioned normally while using invalid input data. A few such cases are presented below:

- **Output elevations completely outside of the range of the input elevations:**

  WWIDTH uses areas at the input elevations to interpolate areas for output elevations. Therefore, all output elevations should be within the range of input elevations. However, if the output elevations are completely above the range of input elevations, WWIDTH still terminates normally without any warning or error message.

- **Cross-sections out of order:**

  WWIDTH calculates weighted widths values by using the surface area above and below a given river station. In weighted width, the input areas must be entered in sequential order up or down the channel. However, WWIDTH accepts the cross-section data out of order and still terminates normally without any warning or error message.

In the cases presented in this section, WWIDTH accepts invalid input data but does not warn the user that the data are invalid. In some cases WWIDTH may produce correct results with invalid data, but in other cases it does not. In addition, there may be more examples of invalid data which result in normal termination of WWIDTH besides those presented above. Therefore, it is the responsibility of the user to confirm that the input data file is valid in order to ensure that the WWIDTH output is also valid. Normal termination of WWIDTH is a necessary but not sufficient condition for producing valid results.

3. CONVEY

3.1 Plan for Testing CONVEY Functionality

3.1.1 Overview

The plan for testing the functionality of CONVEY is defined in the WWIDTH and CONVEY SRS, Section 3.0 (Reference 2) and SPP-2.6 Computer Software Control (Reference 3), Appendix G. The CONVEY Test Plan consists of a comparison of the solution of test problems obtained with CONVEY to independent calculations. The test plan serves to evaluate the program's capabilities and limitations as related to TVA design applications. The test problems, which are described in Section 3.1.2, were selected to be representative of typical TVA applications of the program.

Changes or modifications to the CONVEY computer program shall be documented as required in Section 3.3 of Reference 3.

The test problems specified here are intended to assess the extent of possible program features and options likely to be required for safety-related design analysis. These test problems were run using CONVEY Version 1.0.

3.1.2 Test Problems to Show CONVEY Functionality

- **Test Problem 1:** Holston River below Cherokee Dam, River Mile 52.31.

  This problem is intended to ensure that CONVEY properly solves for the cross-sectional area and composite hydraulic radius raised to the 2/3 power ($R^{2/3}$) at a range of elevations for a specified cross-section in the river using the equations outlined in the WWIDTH and CONVEY User's Manual (Reference 1).

  Table 9 gives the station, segment number, and elevation defining the cross-section at river mile 52.31 on the Holston River used as input to Test problem 1 (Reference 5).

Table 9. Cross-section information for River Mile 52.31 on the Holston River

Station (ft)	Segment Number	Elevation (ft)
-2501	1	1110
-2501	1	1060
-2500	1	1060
-2000	1	1040
-1845	1	1020
-1045	1	1000
-981	1	980
-840	1	960
-781	1	948.9
-775	1	942.5
-740	1	925
-730	1	921.8
-720	1	922
-715	1	921.5
-700	1	921.5
-620	1	921.6
-595	1	920.9
-540	2	920.4
-480	2	919
-440	2	920.6
-375	2	920.4
-330	2	920.8
-275	2	921.4
-215	2	919.1
-170	2	919.5
-135	2	920.4
-134	2	921.4
-95	2	921.8
-60	2	921.9
-30	2	921.1
0	2	921.6
11	3	924.6
39	3	941.5
45	3	945.5
285	3	980
405	3	1000
500	3	1020
1000	3	1040
1700	3	1060
1700	3	1110

- **Test Problem 2:** Trapezoidal section.

  This problem is intended to ensure that CONVEY properly solves for the cross-sectional area and composite hydraulic radius raised to the 2/3 power ($R^{2/3}$) at a range of elevations for a trapezoidal channel with a bottom width of 30 ft and side slopes of 2:1. Figure 8 gives a schematic definition of the channel geometry used in the CONVEY Test Problem 2.

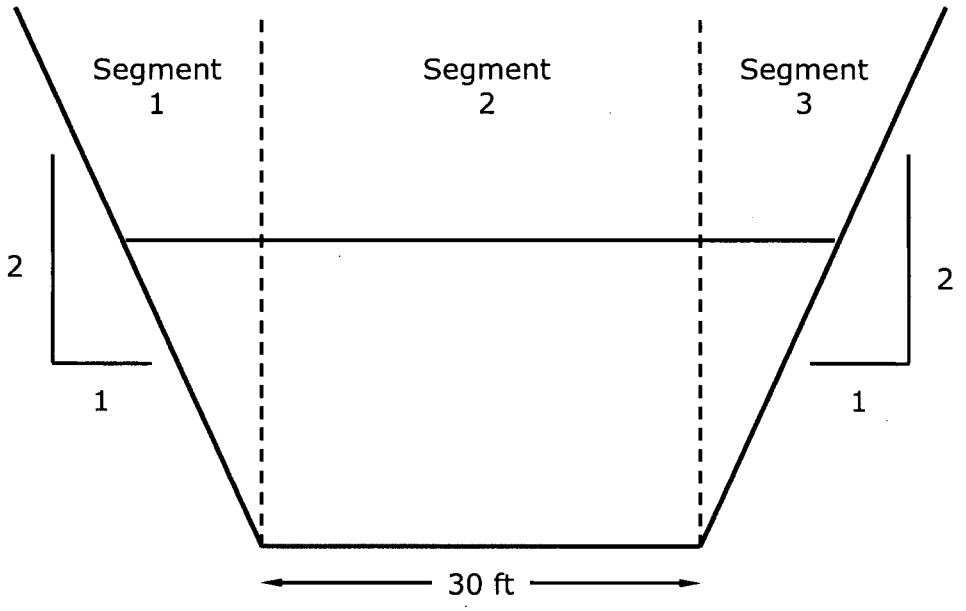


Figure 7. Schematic definition of the CONVEY Test Problem 2

- **Test Problem 3:** Trapezoidal section with a triangular notch in the bottom.

  This problem is identical to Test Problem 2, with the exception that a 3 ft deep and 6 ft wide triangular notch is cut in the middle of the section. This problem is intended to ensure that CONVEY properly solves for the cross-sectional area and composite hydraulic radius raised to the 2/3 power ($R^{2/3}$) at a range of elevations for this section. Figure 8 gives a schematic definition of the channel geometry used in the CONVEY Test Problem 3.

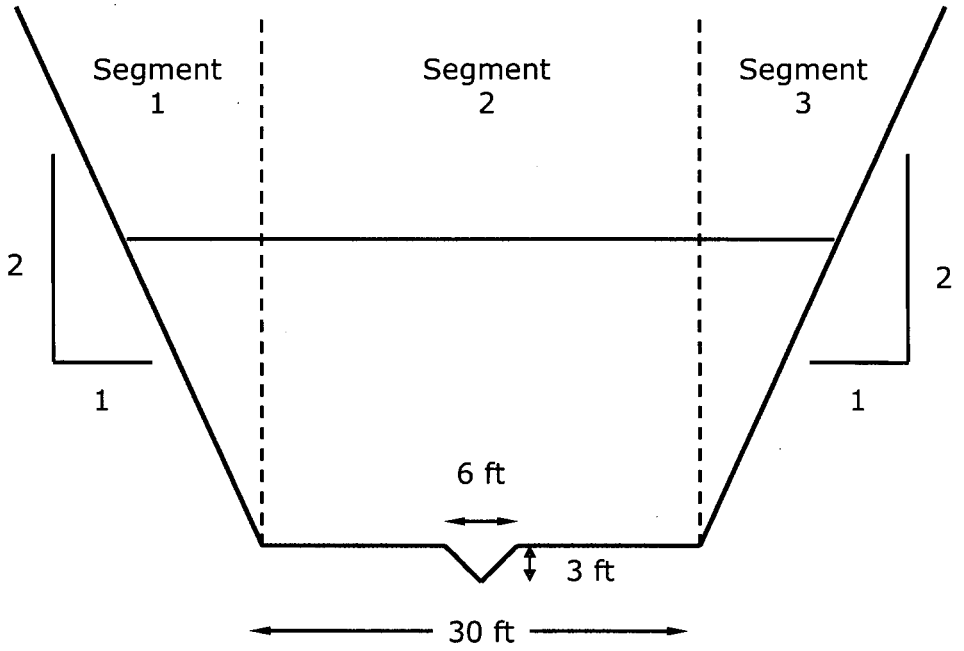


Figure 8. Schematic definition of the CONVEY Test Problem 3

3.1.3 Solution Method Used in the Independent Calculations

The independent calculations used the same general method for calculating the cross-sectional area and composite hydraulic radius raised to the 2/3 power ($R^{2/3}$) given in Reference 1, as described below.

The CONVEY code was developed to determine the cross-sectional area and the composite hydraulic radius raised to the 2/3 power ($R^{2/3}$), by elevation for a given segmented cross section. A typical cross section with three segments is shown on Figure 9. In this Figure the central part represents the main river channel and the left and right segments in Figure 9 represent the overbank areas flooded during high flows. A section may have more than 3 segments. Such an example is given in Figure 10.

The data points to describe the cross section can be taken either from cross sections developed from topographic maps, or plots of values used as input in earlier developed hydraulic models using cross-sectional data. The number of points used to describe each section varies and is based on the minimum needed to accurately define the flow area. The

number of segments in the cross sections can vary and depends on changes in the Manning's n values across the section and over one-half reach in either direction. The CONVEY program computes the cross-sectional area and a composite value of $R^{2/3}$ for user-specified elevations (generally at 5- to 20-foot intervals) starting at the channel bottom. The conveyance of each segment of the cross section, C_i, is computed by equation (11) (Reference 6).

$$C_i = \frac{1.49 A_i R_i^{2/3}}{n_i} \tag{11}$$

where:

A_i = the cross sectional area of segment i
R_i = the hydraulic radius of segment i
n_i = Manning's n of segment i
i = the number of a segment within the cross section. For a section with three segments, such as that shown in Figure 9, typically i=1 represents the left overbank area, i=2 the center or main river channel, and i=3 the right overbank area

The total conveyance (C_t) is the sum of the conveyances of the segments, i.e.

$$C_t = \sum_{i=1}^{m} C_i \tag{12}$$

where:

m = the number of segments with different Manning's n within the cross section

A composite $R^{2/3}$ is determined at each elevation step by the following equation with n representing a composite value Manning's n for the entire cross section.

$$R^{2/3} = \frac{n C_t}{1.49 A} \tag{13}$$

where:

$$A = \sum_{i=1}^{m} A_i$$

In the application of the CONVEY code TVA has been assigning the value of Manning's n in Equation (15) as equal to the Manning's n of the main river channel. For example for the cross section shown in Figure 9 Manning's n for the cross section is set equal to n_2, the value for the main river channel. In the case of the cross section shown in Figure 10 Manning's n for the cross section is set equal to $n_2 = n_4$, the value for the two branches of the main river channel.

$$C_t = \frac{1.49 A_1 R_1^{2/3}}{n_1} + \frac{1.49 A_2 R_2^{2/3}}{n_2} + \frac{1.49 A_3 R_3^{2/3}}{n_3}$$

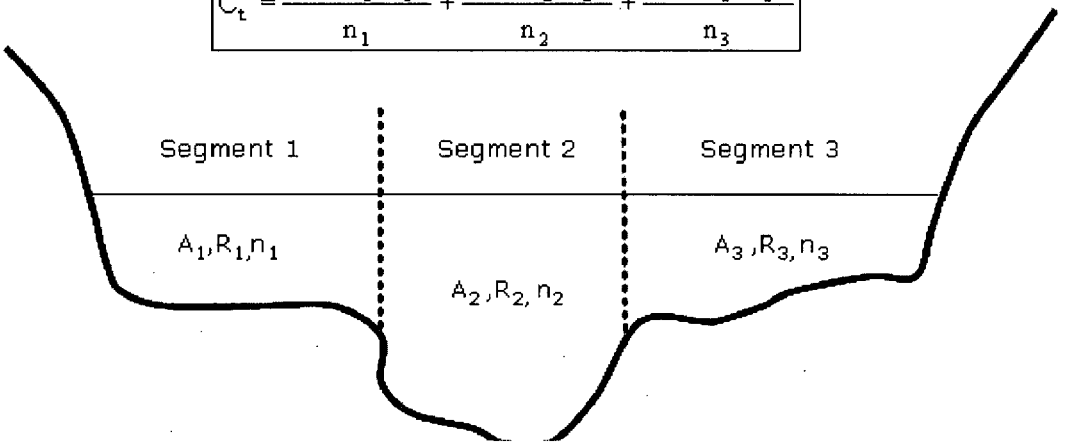


Figure 9. Typical Conveyance Cross Section

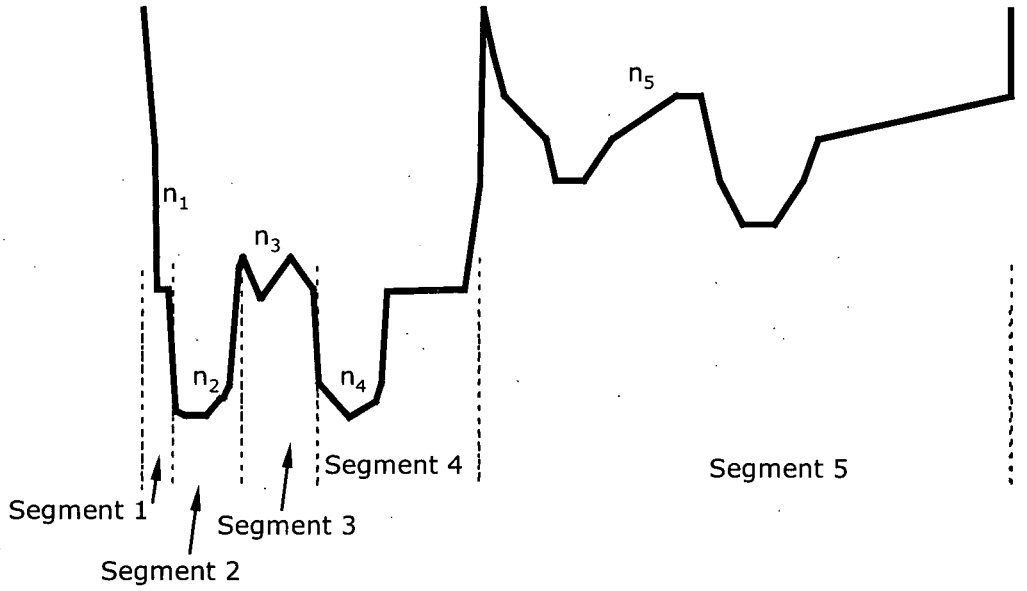


Figure 10. Typical Conveyance Cross Section

The output of the CONVEY program includes the cross-sectional area, A, and the composite $R^{2/3}$ for user-specified elevations. These outputs make up three of the four elements of the geometric table (elevation, cross-sectional area, and composite $R^{2/3}$; the fourth element is the weighted width, B_w, from WWIDTH) that the SOCH program uses to define each cross-section.

3.2 CONVEY Test Results

3.2.1 Test Problems to Show CONVEY Functionality

Input files to CONVEY for each test problem are included in electronic form as Attachment 1. CONVEY output files for each test problem are included in electronic form as Attachment 2. The CONVEY source code and the executable that was used for these tests are included in the electronic Attachment 3. Solutions to the test problems using CONVEY were compared to the independent calculations performed with the same theoretical basis outlined in the WWIDTH and CONVEY User's Manual (Reference 1) and using Microsoft Excel 2003 SP3. These Excel files used for independent calculation are included as Attachment 4. The results of these comparisons are presented in below.

Table 10 gives the names of the Excel files used for the validation of CONVEY. All these files are included in the Electronic Attachment 4.

Table 10. List of Excel Files used for the Validation of CONVEY

Test Problem	Excel File Name in Electronic Attachment 4
Test Problem 1	Convey_sample1.xls
Test Problem 2	Convey_sample2-3.xls
Test Problem 3	Convey_sample2-3.xls

A comparison of the cross-sectional areas and composite hydraulic radii to the 2/3 power calculated using the CONVEY code and those calculated through independent calculations for Test Problem 1 is presented in Table 11. The same information is presented for Test Problem 2 in Table 12 and Test Problem 3 in Table 13.

Table 11. Comparison of CONVEY and Independent Calculation Results for Test Problem 1

Water Surface Elevation (ft)	CONVEY		Independent Excel Calculation	
	Cross-Sectional Area (ft^2)	Composite $R^{2/3}$ ($ft^{2/3}$)	Cross-Sectional Area (ft^2)	Composite $R^{2/3}$ ($ft^{2/3}$)
919	0	0	0	0
924	2407	1.91	2408	1.91
929	6192	3.40	6192	3.40
934	10069	4.59	10070	4.59
939	14038	5.60	14038	5.60
944	18096	6.51	18096	6.51
949	22256	7.33	22256	7.33
954	26663	8.01	26664	8.01
959	31378	8.61	31379	8.61

Water Surface Elevation (ft)	CONVEY		Independent Excel Calculation	
	Cross-Sectional Area (ft^2)	Composite $R^{2/3}$ ($ft^{2/3}$)	Cross-Sectional Area (ft^2)	Composite $R^{2/3}$ ($ft^{2/3}$)
964	36413	9.13	36414	9.13
969	41798	9.58	41798	9.58
974	47533	9.98	47533	9.98
979	53617	10.35	53618	10.35
984	60014	10.70	60015	10.70
989	66643	11.05	66644	11.05
994	73502	11.38	73503	11.38
999	80591	11.69	80592	11.69
1004	88194	11.75	88195	11.75
1009	96899	11.77	96899	11.77
1014	106722	11.77	106722	11.77
1019	117664	11.75	117664	11.75
1024	129628	11.74	129629	11.74
1029	142418	11.74	142418	11.74
1034	156026	11.74	156026	11.74
1039	170453	11.75	170453	11.75
1044	185916	11.68	185917	11.68
1049	202866	11.58	202867	11.58
1054	221316	11.48	221317	11.48
1059	241266	11.38	241267	11.38
1064	262240	11.41	262241	11.41
1069	283245	11.50	283246	11.50
1074	304250	11.62	304251	11.62
1079	325255	11.75	325256	11.75
1084	346260	11.90	346261	11.90
1089	367265	12.05	367266	12.05
1094	388270	12.22	388271	12.22
1099	409275	12.39	409276	12.39
1104	430280	12.57	430281	12.57
1109	451285	12.75	451286	12.75

Table 12. Comparison of CONVEY and Independent Calculation Results for Test Problem 2

Water Surface Elevation (ft)	CONVEY		Independent Excel Calculation	
	Cross-Sectional Area (ft^2)	Composite $R^{2/3}$ ($ft^{2/3}$)	Cross-Sectional Area (ft^2)	Composite $R^{2/3}$ ($ft^{2/3}$)
100	0	0	0	0
110	350	4.06	350	4.06
120	800	5.75	800	5.75
130	1350	6.83	1350	6.83
140	2000	7.59	2000	7.59
150	2750	8.15	2750	8.15

Table 13. Comparison of CONVEY and Independent Calculation Results for Test Problem 3

Water Surface Elevation (ft)	CONVEY		Independent Excel Calculation	
	Cross-Sectional Area (ft^2)	Composite $R^{2/3}$ ($ft^{2/3}$)	Cross-Sectional Area (ft^2)	Composite $R^{2/3}$ ($ft^{2/3}$)
100	15	1.18	15	1.18
110	365	3.76	365	3.76
120	815	5.26	815	5.26
130	1365	6.22	1365	6.22
140	2015	6.90	2015	6.90
150	2765	7.42	2765	7.42

There are no significant differences between the results obtained from CONVEY and those obtained through independent calculation. For Test Problems 2 and 3 the results for both cross-sectional area and composite $R^{2/3}$ match exactly. For Test Problem 1 the composite $R^{2/3}$ values match exactly while the cross-sectional areas differ slightly. This difference can be attributed to the truncation of the area values in the output of CONVEY as compared to the rounding used in the independent calculations. The maximum difference between the two methods when determining the cross-sectional area in Test Problem 1 is 1.

3.2.2 Response of CONVEY to Abnormal Input Data

CONVEY has no built-in safeguards to warn users when abnormal situations arise during operation of the program. Therefore, as long as values of the proper dimension are input for each expected variable, CONVEY will produce an output file; regardless of whether the input data are logical or not. Therefore, it is possible for CONVEY to appear to have functioned normally while using invalid input data. A few such cases are presented below:

- **Designation of ground points out of sequential order:**

  CONVEY uses sequentially input ground points (stations) defining the channel cross section to calculate the submerged area, base, and height of a sub-section of the cross-section. Therefore, the ground input data points must be entered in sequential order. However, if ground points are not entered in sequential order, CONVEY still terminates normally.

- **Designation of segment numbers out of sequence:**

  CONVEY uses segment numbers to designate the Manning's n values for sub-sections of the cross-section. Discontinuous sub-sections of the cross-section should therefore not have the same segment number. However, it is possible to designate segment numbers out of sequence and CONVEY still terminates normally.

In the cases presented in this section, CONVEY accepts invalid input data but does not warn the user that the data are invalid. In some cases CONVEY may produce correct results with invalid data, but in other cases it does not. In addition, there may be more examples of invalid data which result in normal termination of CONVEY besides those presented above. Therefore, it is the responsibility of the user to confirm that the input data file is valid in order to ensure that the CONVEY output is also valid. Normal termination of CONVEY is a necessary but not sufficient condition for producing valid results.

The user should also note that care must be taken when designating segment numbers for ground points located on the border between two segments. These boundary points must be designated as the next incremental segment number (i.e. if a point is located on the border of segments 1 and 2, this point would be designated as segment 2). This requirement is not intuitively obvious and since the output file has only a true echo of the input data, looking at the output file would not alert the user that segments have been designated incorrectly.

4. SUMMARY AND CONCLUSIONS

For all six WWIDTH Test Problems, the results from WWIDTH were in excellent agreement with the results obtained through independent calculation using Microsoft EXCEL. For Test Problem 1 the weighted width values obtained by the two methods are not identical, however these slight differences can be attributed to the rounding used in WWIDTH. Otherwise the results from the two methods agree completely.

For all three CONVEY Test Problems the results obtained from CONVEY and those obtained through independent calculation were in very good agreement. For Test Problem 1 the cross-sectional areas differ slightly, however, this can be attributed to the truncation of area values in CONVEY as compared to the rounding used in the independent calculations. Otherwise the two methods agree completely with respect to cross-sectional area and composite hydraulic radius to the 2/3 power for all three Test Problems.

Based on the results of all the test problems, the WWIDTH and CONVEY programs are considered validated and verified for use.

5. REFERENCES

1. TVA, 2008: WWIDTH and CONVEY User's Manual (L58090213001)
2. TVA, 2008: WWIDTH and CONVEY Software Requirements Specification (L5808121900).
3. TVA, 2008: SPP-2.6, Computer Software Control.
4. Response to Request for Information (RFI) No. 25447-000-GRI-GEX-00051 Rev. 001, TVA Hydrology Project, December 2008 (L58081209805).
5. Response to Request for Information (RFI) No. 25447-000-GRI-GEX-00045 Rev. 001, TVA Hydrology Project, December 2008 (L58081209802).
6. Chow, Ven Te, Open Channel Hydraulics, McGraw-Hill Company, 1959.
7. TVA, 2009: Technical Report SOCH Software Operability Procedure and Results, Revision 0 (EDMS No. L58 091221 001)

SVVR

WWIDTH
Version 1.0
CONVEY
Version 1.0

Attachment 1
Test Problems Input

SVVR

WWIDTH
Version 1.0

CONVEY
Version 1.0

Attachment 2
Test Problems Output

SVVR

WWIDTH
Version 1.0
CONVEY
Version 1.0

Attachment 3
Source and Executable

CONVEY

QA Rev 1.0

11062008

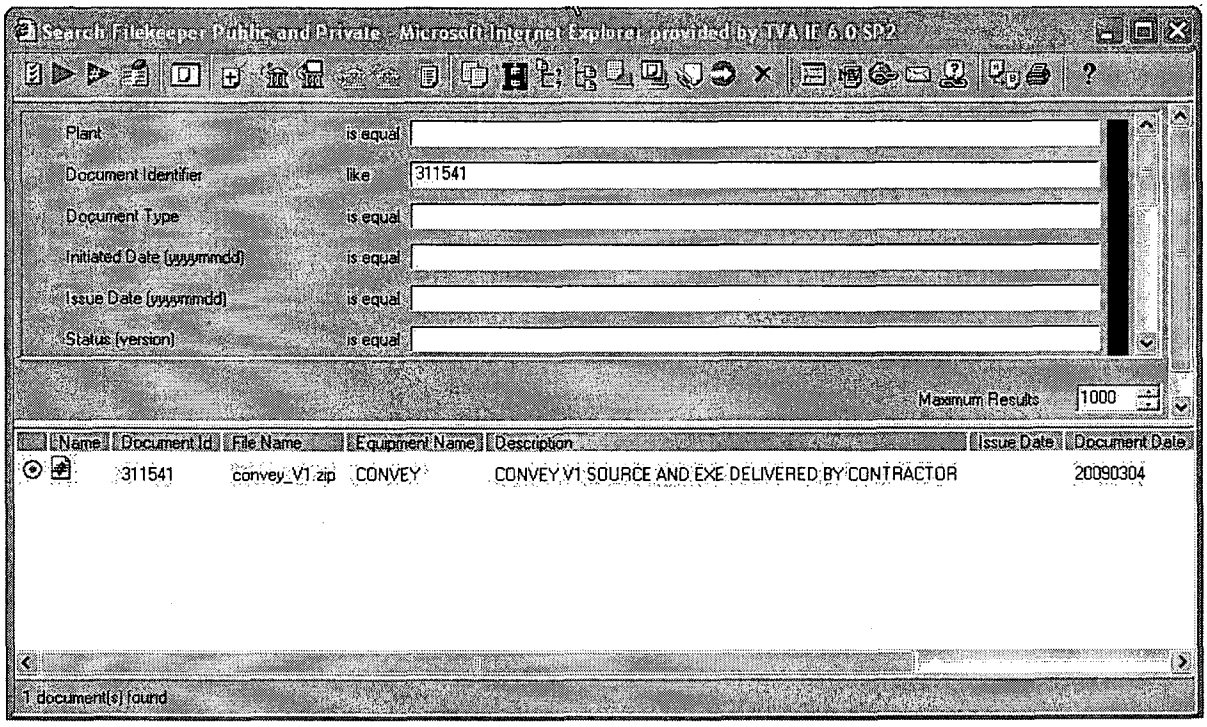
TVA Storage of CONVEY Source Code and Executable provided by Bechtel.

CONVEY V1 Source and compiled executable delivered by Bechtel has was compressed by TVA into ZIP file convey_v1.zip and stored in BSL-FileKeeper (Private).

COC BSL
NUC Corporate Library (BSL-FileKeeper)
Document Class: FileKeeper-Private, Nuclear)

BSL FileKeeper Unique Document Identifier: 311541

Example of query results to retrieve is supplied below:



WWIDTH

QA Rev 1.0

11062008

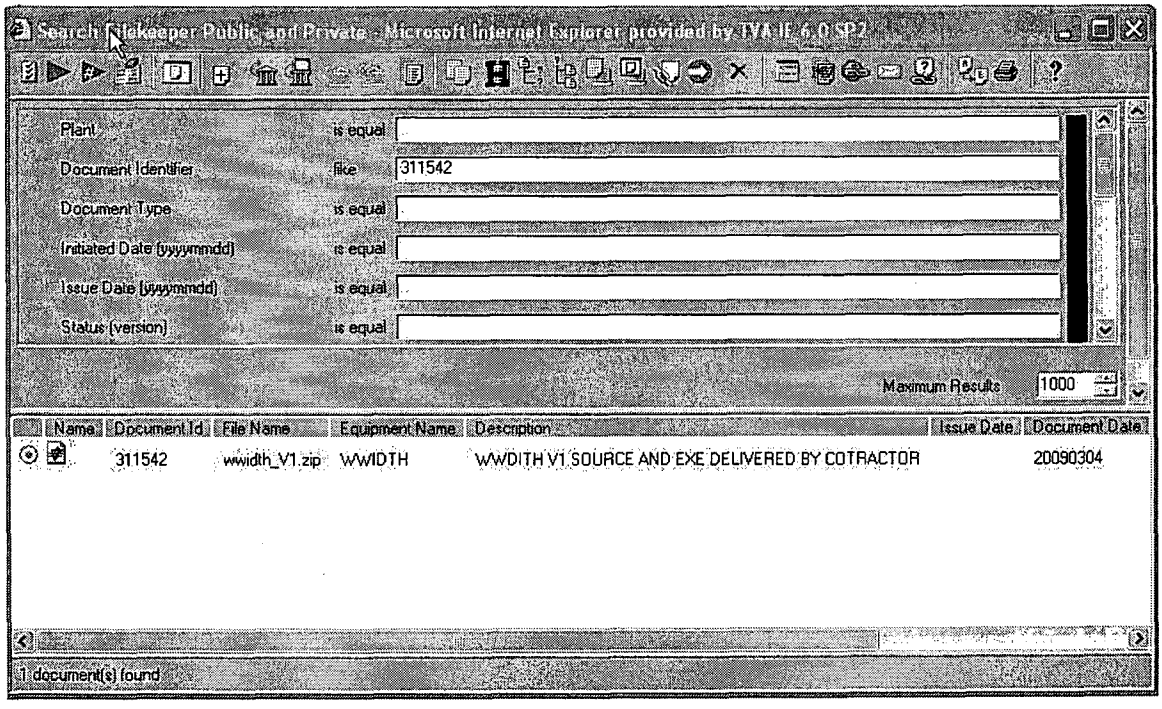
TVA Storage of WWIDTH Source Code and Executable provided by Bechtel.

WWIDTH V1 Source and compiled executable delivered by Bechtel has was compressed by TVA into ZIP file wwidth_v1.zip and stored in BSL-FileKeeper (Private).

COC BSL
NUC Corporate Library (BSL-FileKeeper)
Document Class: FileKeeper-Private, Nuclear)

BSL FileKeeper Unique Document Identifier: 311542

Example of query results to retrieve is supplied below:



SVVR

WWIDTH
Version 1.0
CONVEY
Version 1.0

Attachment 4
Independent Calculations

L58 090213 001

Tennessee Valley Authority

USER'S MANUAL

WEIGHTED WIDTH (WWIDTH)
Version 1.0
CONVEYANCE (CONVEY)
Version 1.0

	R0	R1	R2	R3
Prepared	Angelos Findikakis			
Reviewed	Lena Ireland			
Approved	K.R. Spates			
	K.R. Spates			
Issue Date	2/12/09			

	REVISION LOG	
Revision Number	**Description of Revision**	**Date Approved**
0	Original Issue - Issued in support of the WWIDTH and CONVEY computer codes used to prepare channel geometry input data for the SOCH computer code, Version SOCH90PC	

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SYMBOLS

A	cross sectional area
A_i	the cross sectional area of segment i
$\overline{A}_M$	surface area of the main channel
$\overline{A}_{S1}$	surface area corresponding to bottom of elevation interval Δh
$\overline{A}_{S2}$	surface area corresponding to top of elevation interval Δh
$\overline{A}_T$	surface area of the tributary
B	width
B_L	actual top width of the river channel at the u/s end of reach $2\Delta x$
B_M	actual top width of the river channel at the middle of reach $2\Delta x$
B_R	actual top width of the river channel at the d/s end of reach $2\Delta x$
B_S	increase of the average width of the river channel due to off-channel storage.
B_W	weighted width
C_t	total conveyance
d/s	downstream
m	number of segments in a cross section with different Manning's n
n	Manning's n of cross section
n_i	Manning's n of segment i
R	hydraulic radius
R_i	the hydraulic radius of segment i
Δh	incremental water depth
Δt	time step
Δx	distance between sections

ABBREVIATIONS

d/s	downstream
u/s	upstream

ACRONYMS

NPG	Nuclear Power Group
PC	Personal Computer
SOCH	Simulated Open Channel Hydraulics
TVA	Tennessee Valley Authority

1. INTRODUCTION

1.1 The TVA SOCH Suite of Computer Codes

The computer programs Weighted Width (WWIDTH) and Conveyance (CONVEY) are used to prepare the geometric data defining the cross sections used by the Simulated Open Channel Hydraulics (SOCH) computer code for flood routing calculations. The purpose of these calculations is to determine the maximum flood level at specific locations along the river, such as the Bellefonte site.

These programs were developed and used by Tennessee Valley Authority (TVA) at the same time as SOCH and were originally run on a mainframe computer. Later they were transferred to the personal computer (PC). The PC version of SOCH is referred to as SOCH90PC.

WWIDTH and CONVEY are two of seven computer codes used to prepare the required input data for SOCH. The other codes are: UNITGRPH, FLDHYDRO, TRBROUTE, CHANROUT and DBREACH. Table 1 gives a brief description of the seven codes used together with SOCH.

Table 1 Summary of TVA's flood analysis codes

Computer Code	Description
UNITGRPH	Computes unit hydrograph for each sub area from historical flood data.
FLDHYDRO	Determines inflow from unit hydrographs and rainfall.
TRBROUTE	Routing of hydrograph from one point to another using different routing procedures.
CHANROUT	Determines routing method coefficients.
DBREACH	Determines earth embankment failure time based on soil type and period of overtopping during a flood.
WWIDTH	Determines equivalent weighted width (B) to account for reservoir volume in SOCH geometry.
CONVEY	Determines cross sectional area (A) and composite hydraulic radius raised to the 2/3 power ($R^{2/3}$) for SOCH geometry.
SOCH	One dimensional unsteady flow model that computes elevation, discharge, and average velocity at selected locations.

Figure 1 illustrates the sequence of use of the codes described in Table 1.

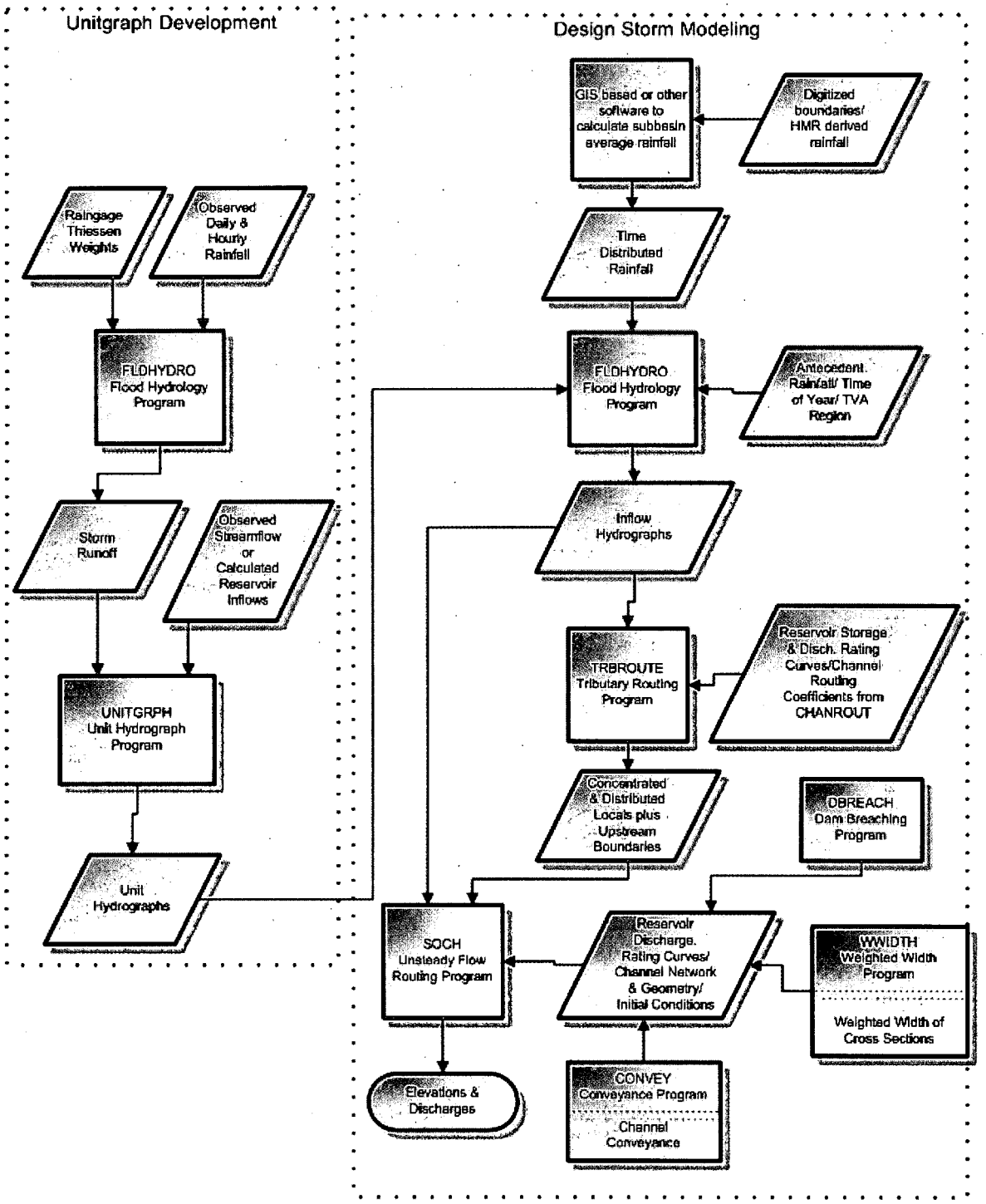

Figure 1. TVA's Flood Analysis Computer Codes

1.2 WWIDTH and CONVEY output used in SOCH

WWIDTH and CONVEY codes provide the required geometric data in the SOCH code for each cross section and stream reach. The table of geometric data for each cross section is made up of 21 vertical steps, starting at or below the channel bottom. The parameters included in this table are:

- elevation
- cross sectional area (A)
- composite hydraulic radius raised to the 2/3 power ($R^{2/3}$)
- weighted width (B_w)

The first three parameters are estimated by the code CONVEY, and the last (weighted width) by WWIDTH. The SOCH program interpolates values for these parameters from the geometry table based on elevation.

Detailed instructions on how to import and use the output of WWIDTH and CONVEY into the SOCH model are provided in the SOCH User's Manual.

1.3 Scope

Section 2 describes WWIDTH and Section 3 describes CONVEY. In each of these Sections there is a presentation of the theoretical basis of each of these two codes, including their mathematical formulation, followed by a detailed description of the input parameters. References are presented in Section 4. Appendix A provides a listing of the WWIDTH FORTRAN source code, Appendix B provides an example WWIDTH input data file, while Appendix C provides an example WWIDTH output data file. Appendix D gives a listing of CONVEY FORTRAN source code, Appendix E provides an example CONVEY input data file, while Appendices F and G provide examples of the two CONVEY output data files.

1.4 Limitations on Use

There are no major limitations in the use of WWIDTH and CONVEY related to the nature of the calculations performed by these codes. The primary limitations arise from the dimensions of the arrays in these codes. For example in WWIDTH the maximum number of sections must be no greater than 60 and the maximum number of surfaces between sections at different elevations is 30.

In CONVEY the number of cross sections for which the conveyance is calculated should be no greater than 200, and the number of segments with different Manning's n number within each cross section should be no greater than 9.

These limitations can be overcome by editing the source code to increase the dimensions of the arrays for the above variables and recompiling the code to create a new executable code. Source code revisions must adhere to requirements of Reference 1, Section 3.3.2.

1.5 Maintenance and User Support

The WWIDTH and CONVEY applications owner is Nuclear Power Group (NPG) Corporate Civil Engineering. User support needs will be arranged through the NPG Corporate Civil

Engineering with the technically cognizant TVA organization or vendor. Any problems identified with the software should be reported to NPG Corporate Civil Engineering.

2. WWIDTH

2.1 Theoretical Basis

The weighted width parameter (B_w) is one of the four elements for the SOCH geometry input table and is used to account for reservoir storage. The surface area between cross sections for a series of elevations is determined from topographic maps, as shown on Figure 2. Storage in any off-channel areas or tributaries is accounted for by these surface area determinations. The elevations are selected to define the overbank and tributary areas over the range of expected flood depths. Using the surface area by elevation data as input to the WWIDTH program, an equivalent B_w is determined for each cross section such that the total volume of a reservoir, including storage in tributaries, can be determined. Once B_w is determined for each cross section, the total volume of the reservoir is computed by the program and a comparison made against the total reservoir volume curve published for the project. If there is a difference, a correction factor is applied to bring the computed volume into agreement with the measured total volume. Once this step is completed, the parameter B_w in the SOCH geometry table is set for the model.

Referring to Figure 2, the volume of water $\forall_{2\Delta X}$ stored between cross sections L and R located $2\Delta x$ apart at any instant of time and for any given water surface elevation may be expressed by:

$$\forall_{2\Delta X} = \forall_o + \Delta\forall \tag{1}$$

where:

$\forall_o$ = reference volume equal to the volume in the reach $2\Delta x$ corresponding to the minimum water surface elevation expected; and

$\Delta\forall$ = volume increment due to water levels located within a depth increment Δh. The total volume above the minimum water level can be obtained by summing all the $\Delta\forall$'s above the minimum pool.

Equation (1) may be written as:

$$\forall_{2\Delta X} - \forall_o = \Delta\forall = B_W \Delta h \cdot 2\Delta x \tag{2}$$

where:

B_W = weighted width; and

Δh = incremental water depth

Solving Equation (2) for B_W gives:

$$B_W = \frac{\Delta\forall}{2\Delta h \Delta x} = \frac{\overline{A}_S \Delta h}{2\Delta h \Delta x} = \frac{\overline{A}_S}{2\Delta x} \tag{3}$$

where:

$\overline{A}_S$ = mean water surface area in reach $2\Delta x$ and elevation interval Δh.

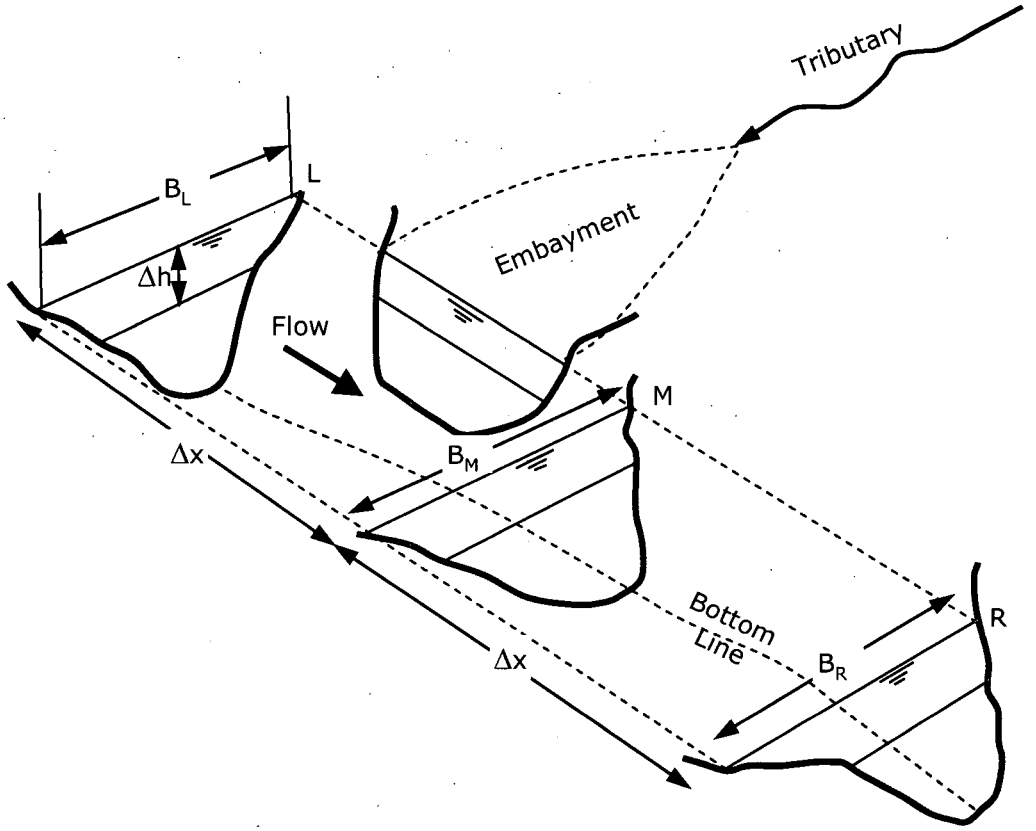

Figure 2. Weighted Width Schematic

$\overline{A}_S$ may be computed from:

$$\overline{A}_S \approx \frac{\overline{A}_{S1} + \overline{A}_{S2}}{2} \tag{4}$$

where:

$\overline{A}_{S1}$ = surface area corresponding to bottom of elevation interval Δh

$\overline{A}_{S2}$ = surface area corresponding to top of elevation interval Δh

For fairly small elevation intervals, $\overline{A}_{S1}$ and $\overline{A}_{S2}$ are practically equal.

The weighted width at interior points, i.e. cross section nodes that are not attached to the boundaries, (see Section M in Figure 2) may be expressed by:

$$B_W = \frac{\overbrace{B_L + 2B_M + B_R}^{BASED\ ON\ FLOW\ SECTIONS}}{4} + \overbrace{B_S}^{STORAGE} \tag{5}$$

where:

B_L = the actual top width of the river channel at the u/s end of reach $2\Delta x$;
B_M = the actual top width of the river channel at the middle of reach $2\Delta x$;
B_R = the actual top width of the river channel at the d/s end of reach $2\Delta x$; and
B_S = the increase of the average width of the river channel due to off-channel storage.

Equation (5) is a generalized equation relating weighted width B_W to the top widths B_L, B_M, and B_R as illustrated in Figure 2, with B_S as a lumped off-channel width. Equation (5) is not directly implemented in the code.

Equation (3) may be written as:

$$B_W = \frac{\overline{A}_M}{2\Delta x} + \frac{\overline{A}_T}{2\Delta x} \tag{6}$$

where:

$\overline{A}_M$ = the surface area of the main channel
$\overline{A}_T$ = the surface area of the tributary

Equation (6), can also be written as:

$$B_W = \frac{B_L + 2B_M + B_R}{4} + \frac{\overline{A}_T}{2\Delta x} \tag{7}$$

WWIDTH uses Equation (6) to calculate the weighted width.

Boundary Points

In this case, only two cross sections located Δx apart are used. For upstream boundaries (on the left side in Figure 2):

$$B_W = \frac{B_L + B_M}{2} + \frac{\overline{A}_T}{\Delta x} \tag{8}$$

and for downstream boundaries (on the right side in Figure 2):

$$B_W = \frac{B_M + B_R}{2} + \frac{\overline{A}_T}{\Delta x} \tag{9}$$

B_W in Equation (7) is assumed to apply at the center of the reach $2\Delta x$, while B_W in Equations (8) and (9) are assumed to apply at the left or right end of the reach, respectively. Equations (8) and (9) may be written as:

$$B_W = \frac{\overline{A}_M}{\Delta x} + \frac{\overline{A}_T}{\Delta x} \tag{10}$$

where:

$\overline{A}_M$ = the surface area of the main channel between B_M and either B_L for upstream boundaries or B_R for downstream boundaries

$\overline{A}_T$ = the surface area of the tributary

WWIDTH uses Equation (10) to calculate the weighted width at the boundary sections.

It is noted that the weighted width, B_W at the boundaries is not used in the unsteady flow calculations, because the boundary conditions dictate flows at the boundaries. At the boundaries B_W is only used for volume balancing.

2.2 The WWIDTH code and how to run it

WWIDTH was originally programmed to run on a mainframe computer and was later transferred to the PC. The latest version of the code has been compiled using the Compaq Visual FORTRAN compiler, Professional Edition 6.6A.

The WWIDTH code runs under DOS. To run WWIDTH on a Windows PC go through the following steps:

1. Create a shortcut of the executable "WWidth.EXE"
2. Copy that shortcut to the Desktop.
3. Right button click the shortcut icon and choose "properties".
4. Change the "Start in:" folder to the folder containing the WWIDTH input dataset(s).
5. Double click on the WWIDTH shortcut icon
6. When prompted, provide the name of the input and the output files.

Figure 3 shows an example of the Command Prompt window for a run of WWIDTH. In this example the name of the input file is "WWidth-Example.dat" and the name of the output file is "WWidth-Example.out".

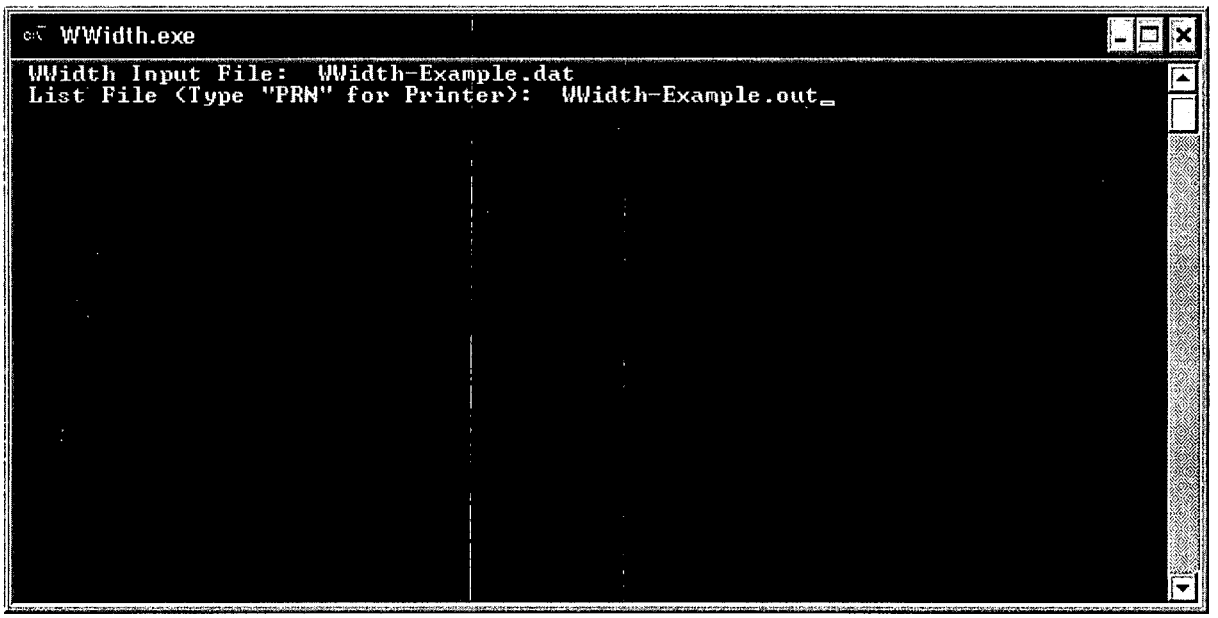

Figure 3. Command Prompt window for an example run of WWIDTH

The contents of the input and the output files are discussed in detail in Sections 2.3 and 2.4.

2.3 Input Data

2.3.1 Definition of Input Variables and Input Format

Table 2 gives the definition of the input variables and format of the main input files to WWIDTH. The designations used to describe the format of the input data in Table 2 are the standard designations used in FORTRAN. The designations "F" and "I" are used to indicate floating point and integer numbers respectively. They are followed by a number that indicates the number of characters in each field, and preceded by a number indicating how many times a field is repeated, i.e. how many such numbers are entered sequentially in the same line. For example, 8I9 indicates 8 fields, each of which contains an integer number 9 characters long. An integer number should be placed at the right end of the corresponding field. Blanks after any numbers are interpreted as zeros. For example, if the format is I9, and the data file contains the number 55 preceded by 7 blanks, the program will read it correctly. If, however, the number 55 is shifted within the 9-character field in such a way as it is preceded by 6 blanks and followed by a blank, then the program will read it as 550, because it will interpret the last blank as zero. The floating point number designation indicates also how many significant decimal digits follow the decimal point. For example, the format 8F9.2 indicates that they are 8 numbers, each of which can be as long as 9 characters, the last two of which are decimal digits.

Table 2 Structure and Format of WWIDTH Input

No	Name	Definition	Format
1	NRELEV	Number of elevations of surface area input for all input cross sections. (NRELEV ≤ 30)	8I9
	NRXSEC	Number of input cross sections. (NRXSEC ≤ 40)	
	NXELEV	Number of elevations of weighted width output for all cross sections.	
	NXXSEC	Number of output cross sections.	
	INTV1	Output elevation increment for the 1st NSTEP1 elevations	
	NSTEP1	Number of first increment output elevations.	
	INTV2	Output elevation increment for the remaining elevations.	
	NSTEP2	NSTEP2 = NSTEP1 + 1.	
2	NSTEP3	NSTEP3 = NXELEV.	I9
3	RSURFA(I,J) I = 1, NRELEV	Surface area (in acres) at elevation RELEV(I) between cross section J and J+1.	8F9.0
4	XELEV(1,J)	Bottom elevation at output cross section J.	8F9.0

No	Name	Definition	Format
	J = 1, NXXSEC		
5	RELEV(I) I = 1, NRELEV	I^{th} elevation for all input cross sections.	8F9.0
6	RMILE(J) J = 1, NRXSEC	River mile of J^{th} input cross section.	8F9.0
7	DX(I) I = 1, NXSURF	Distance (in feet) between output cross sections I and I + 1.	8F9.0
	TMILE	River mile of most u/s output cross section.	

2.3.2 Schematic of Input Dataset

Figure 4 illustrates the structure of the input file to WWIDTH.

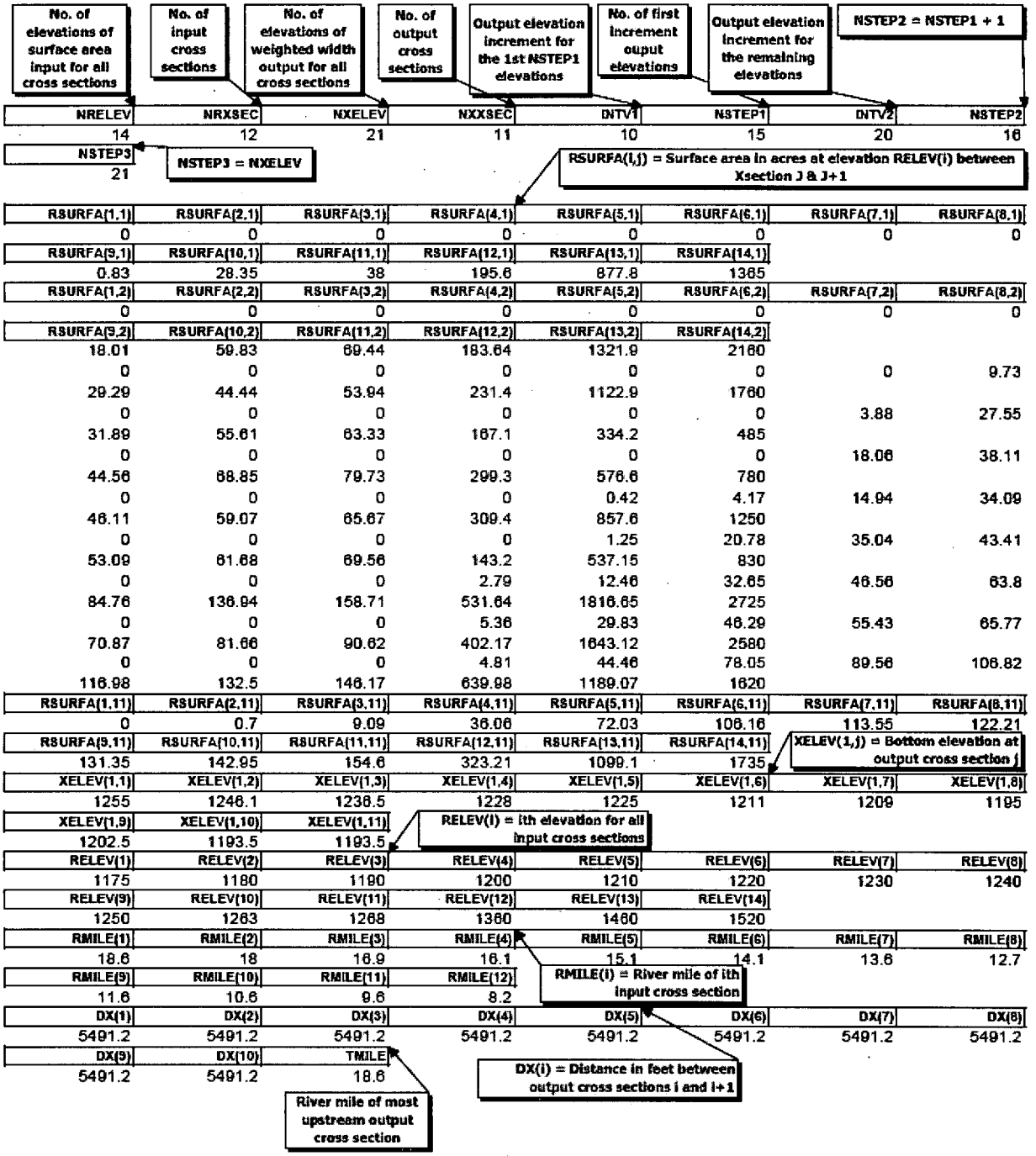

Figure 4. Schematic representation of the WWIDTH input dataset

2.3.3 Example of Input Data File

An example of a typical WWIDTH input file is presented in Appendix B. The example is for the Guntersville reservoir.

2.3.4 Response of WWIDTH to Abnormal Input Data

WWIDTH has no built-in safeguards to warn users when abnormal situations arise during operation of the program. Therefore, as long as values of the proper dimension are input for each expected variable, WWIDTH will produce an output file, regardless of whether the input data are logical or not. Therefore, it is possible for WWIDTH to appear to have functioned normally while using invalid input data. A few such cases are presented below:

- **Output elevations completely outside of the range of the input elevations:**

  WWIDTH uses areas at the input elevations to interpolate areas for output elevations. Therefore, all output elevations should be within the range of input elevations. However, if the output elevations are completely above the range of input elevations, WWIDTH still terminates normally without any warning or error message.

- **Cross-sections out of order:**

  WWIDTH calculates weighted widths values by using the surface area above and below a given river station. In weighted width, the input areas must be entered in sequential order up or down the channel. However, WWIDTH accepts the cross-section data out of order and still terminates normally without any warning or error message.

In the cases presented in this section, WWIDTH accepts invalid input data but does not warn the user that the data are invalid. In some cases WWIDTH may produce correct results with invalid data, but in other cases it does not. In addition, there may be more examples of invalid data which result in normal termination of WWIDTH besides those presented above. Therefore, it is the responsibility of the user to confirm that the input data file is valid in order to ensure that the WWIDTH output is also valid. Normal termination of WWIDTH is a necessary but not sufficient condition for producing valid results.

2.4 Output

An example of a typical output file produced by WWIDTH is presented in Appendix C. This output was obtained by running WWIDTH with the input file presented in Appendix B.

3. CONVEY

3.1 Theoretical Basis

The CONVEY code was developed to determine the cross-sectional area and the composite hydraulic radius raised to the 2/3 power ($R^{2/3}$), by elevation for a given segmented cross section. A typical cross section with three segments is shown on Figure 5. The central part represents the main river channel and the left and right segments in Figure 5 represent the overbank areas flooded during high flows. A section may have more than 3 segments. Such an example is given in Figure 6.

The data points to describe the cross section can be taken either from cross sections developed from topographic maps, or plots of values used as input in earlier developed hydraulic models using cross-sectional data. The number of points used to describe each section varies and is based on the minimum needed to accurately define the flow area. The number of segments in the cross sections can vary and depends on changes in the Manning's n values across the section and over one-half reach in either direction. The CONVEY program computes the cross-sectional area and a composite value of $R^{2/3}$ for user-specified elevations (generally at 5- to 20-foot intervals) starting at the channel bottom. The conveyance of each segment of the cross section, C_i, is computed by Equation (13) (Reference 2).

$$C_i = \frac{1.49\, A_i\, R_i^{2/3}}{n_i} \tag{13}$$

where:

A_i = the cross sectional area of segment i
R_i = the hydraulic radius of segment i
n_i = Manning's n of segment i
i = the number of a segment within the cross section. For a section with three segments, such as that shown in Figure 5, typically i=1 represents the left overbank area, i=2 the center or main river channel, and i=3 the right overbank area

The total conveyance (C_t) is the sum of the conveyances of the individual segments, i.e.

$$C_t = \sum_{i=1}^{m} C_i \tag{14}$$

where:

m = the number of segments with different Manning's n within the cross section

A composite $R^{2/3}$ is determined at each elevation step by the following equation with n representing a composite value Manning's n for the entire cross section.

$$R^{2/3} = \frac{n\, C_t}{1.49\, A} \tag{15}$$

where:

$$A = \sum_{i=1}^{m} A_i \qquad (16)$$

In the application of the CONVEY code TVA has been assigning the value of Manning's n in Equation (15) as equal to the Manning's n of the main river channel. For example for the cross section shown in Figure 5 Manning's n for the cross section is set equal to n_2, the value for the main river channel. In the case of the cross section shown in Figure 6 Manning's n for the cross section is set equal to $n_2 = n_4$, the value for the two branches of the main river channel.

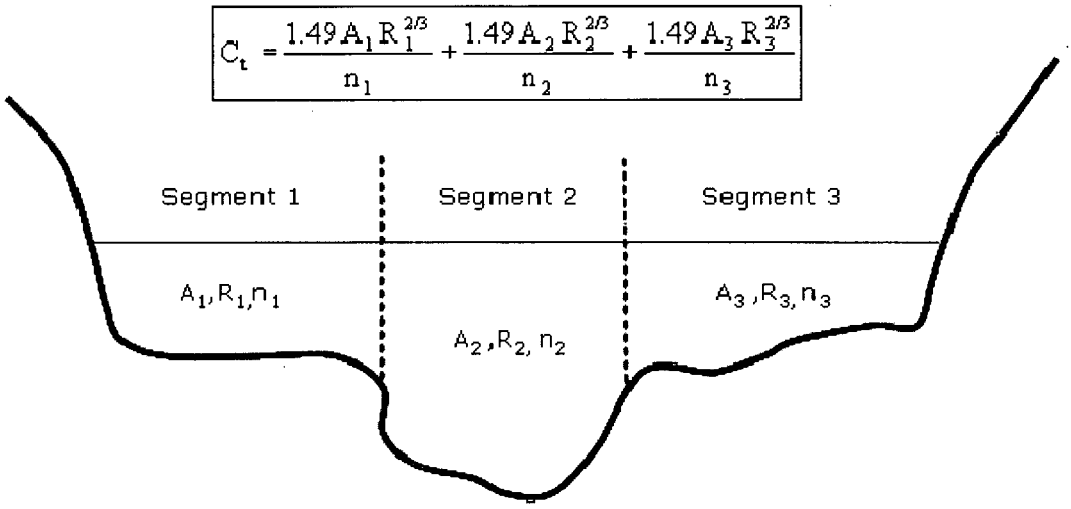

Figure 5. Typical Conveyance Cross Section

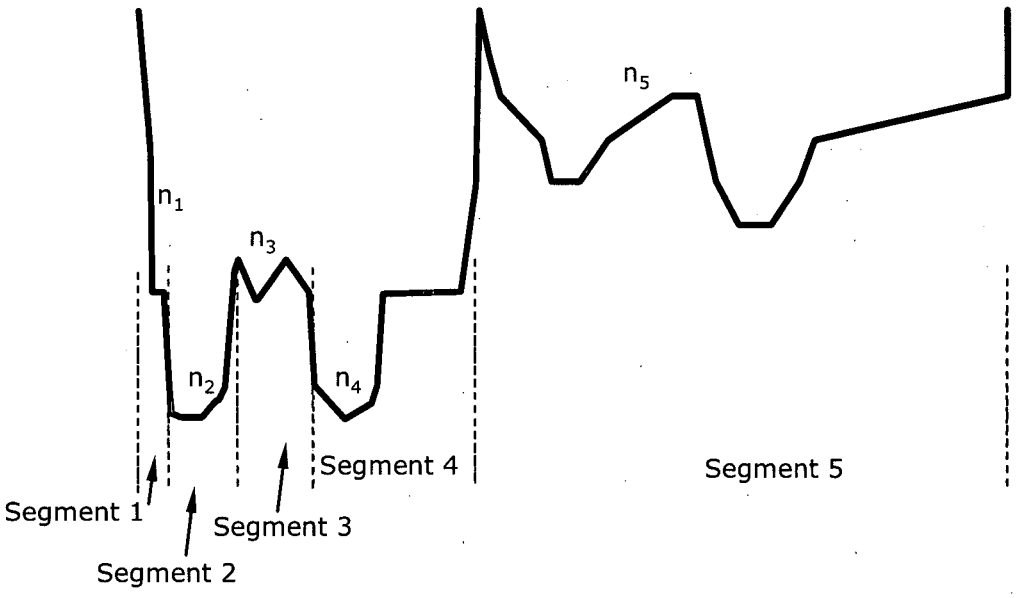

Figure 6. Typical Conveyance Cross Section

The output of the CONVEY program includes the cross-sectional area, A, and the composite $R^{2/3}$ for user-specified elevations. These outputs make up three of the four elements of the geometric table (elevation, cross-sectional area, and composite $R^{2/3}$; the fourth element is the weighted width, B_w, from WWIDTH) that the SOCH program uses to define each cross section.

3.2 The CONVEY code and how to run it

CONVEY was originally programmed to run on a mainframe computer and was later transferred to the PC. The latest version of the code has been compiled using the Compaq Visual FORTRAN compiler, Professional Edition 6.6A.

The CONVEY code runs under DOS. To run CONVEY on a Windows PC go through the following steps:

1. Create a shortcut of the executable "Convey.EXE"
2. Copy that shortcut to the Desktop.
3. Right button click the shortcut icon and choose "properties".
4. Change the "Start in:" folder to the folder containing the CONVEY input dataset(s).
5. Double click on the CONVEY shortcut icon
6. When prompted, provide the name of the input and the output files.

Figure 7 shows an example of the Command Prompt window for a run of CONVEY. In this example the name of the input file is "Convey-Example.dat" and the name of the output files are "Convey-Example.out" and "Convey-Example.geo".

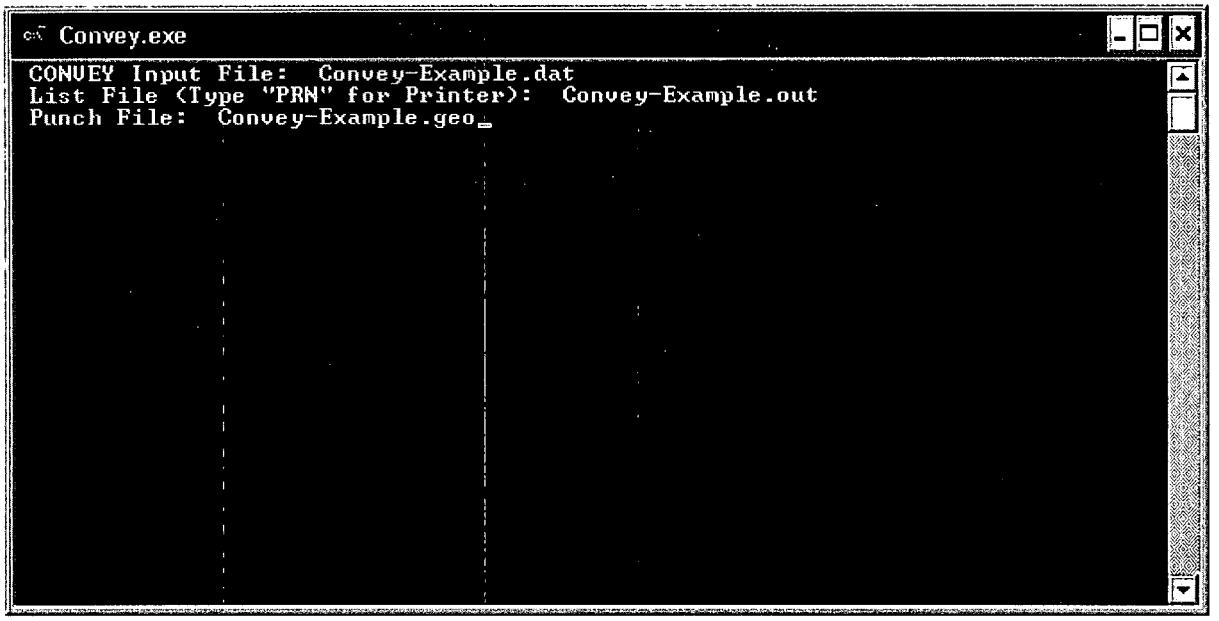

Figure 7. Command Prompt window for an example run of CONVEY

The contents of the input and the output files are discussed in detail in Sections 3.3 and 3.4.

3.3 Input Data

3.3.1 Definition of Input Variables and Input Format

Table 3 gives the structure and format of the main input files to CONVEY. The designations used to describe the format of the input data in Table 3 are the standard designations used in FORTRAN, as described in Section 2.3.1. In addition to the format designations described in Section 2.3.1 the formats listed in Table 3 use the standard FORTAN designations of alphanumeric variables and for blank fields between input data. The letter "A" is the format designation of a single character alphanumeric variable. If the letter "A" is followed by number, this number indicates the number of characters in the alphanumeric variable. For example the format 40A indicates an alphanumeric variable consisting of 40 characters. The letter "X" indicates a blank field. If preceded by a number, then the number indicates how many blank spaces are included. For example the format "I1,2I2,5X,A" in the first row of Table 3 means that in that particular line of the input data there is first one single-character integer number, followed by two integers with two characters each, followed by 5 blanks and a single-character alphanumeric variable.

Table 3 Structure and Format of CONVEY Input

No	Name	Definition	Format
1	IP	If value is 1, then geometry with CONVEY is output to a separate file.	I1,2I2,5X,A40
	IB	If value is 1, then width value is added to output geometry file.	

No	Name	Definition	Format
	IN	If value is 1, then each segment has a variable N.	
	TITLE	Title output (maximum 40 characters).	
2	SEC	Section name (maximum 5 characters).	A5, 2X, I3, 9X, I1, F7.0, 1X I2, 3X, I2, 2X, F4.3
	NG	Number of natural ground points. (NG ≤ 200)	
	NSA	Number of segments for current cross section.	
	WO	Lowest elevation of cross section.	
	NSTEP	Number of computational elevations.	
	INTV	Computational elevation interval.	
	ENN	Composite cross section Manning's n.	
3	TOT	Cross section description (maximum 20 characters).	A20,9I2
	LS(I) I = 1, 9	If I = 1, then include that segment's contribution to CONVEY.	
Note: Line 4, I = Natural Ground Pointer, Natural Ground Pointer + 4 (5 sets per line/record – up to NG)			
4	S(I)	Natural ground station.	5(F6.0, I2, F7.1, 1X)
	SA(I)	Segment number.	
	G(I)	Natural ground elevation.	
Note: I = SegmentPtr, SegmentPtr+3. Use Line 5 if Manning's n value is variable within a segment; skip Line 5 if n is constant within segments and use Line 6. SegmentPtr is a pointer designation for the vectored elements of line 5.			
5	BL(I)	Specified lower elevation.	4(2(F4.0, 1X), 2(F3.3, 1x))
	AB(I)	Specified upper elevation.	
	N1(I)	Lower bound of n value.	
	N3(I)	Upper bound of n value.	
Note: Use Line 6 if Manning's n value is constant for each segment.			
6	UN(I) I = 1, NSA	Segment I's Manning's n value.	9F4.3

Note: Care must be taken when designating segment numbers (see Line 4) for ground points located on the border between two segments. These boundary points must be designated as the next incremental segment number (i.e. if a point is located on the border of segments 1 and 2, this point would be designated as segment 2).

3.3.2 Input Data Schematic

Figure 8 illustrates the structure of the input file to CONVEY for a section where Manning's n is constant for each segment.

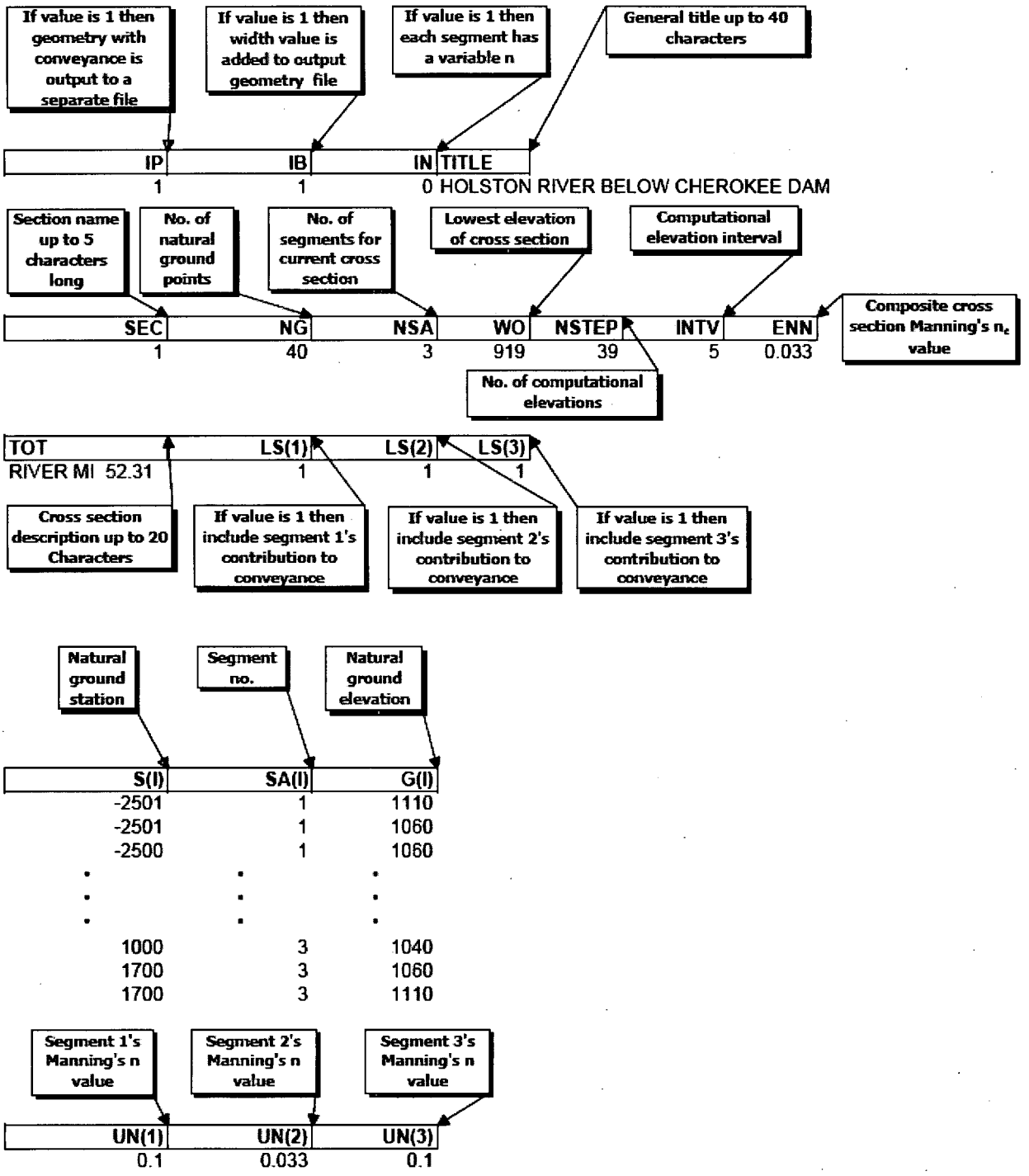

Figure 8. Schematic representation of the CONVEY input dataset

3.3.3 Example of Input Data File

An example of a typical CONVEY input file is presented in Appendix E. The example is for the Guntersville reservoir.

3.3.4 Response of CONVEY to Abnormal Input Data

CONVEY has no built-in safeguards to warn users when abnormal situations arise during operation of the program. Therefore, as long as values of the proper dimension are input for each expected variable, CONVEY will produce an output file; regardless of whether the input data are logical or not. Therefore, it is possible for CONVEY to appear to have functioned normally while using invalid input data. A few such cases are presented below:

- **Designation of ground points out of sequential order:**

  CONVEY uses sequentially input ground points (stations) defining the channel cross section to calculate the submerged area, base, and height of a sub-section of the cross-section. Therefore, the ground input data points must be entered in sequential order. However, if ground points are not entered in sequential order, CONVEY still terminates normally.

- **Designation of segment numbers out of sequence:**

  CONVEY uses segment numbers to designate the Manning's n values for sub-sections of the cross-section. Discontinuous sub-sections of the cross-section should therefore not have the same segment number. However, it is possible to designate segment numbers out of sequence and CONVEY still terminates normally.

In the cases presented in this section, CONVEY accepts invalid input data but does not warn the user that the data are invalid. In some cases CONVEY may produce correct results with invalid data, but in other cases it does not. In addition, there may be more examples of invalid data which result in normal termination of CONVEY besides those presented above. Therefore, it is the responsibility of the user to confirm that the input data file is valid in order to ensure that the CONVEY output is also valid. Normal termination of CONVEY is a necessary but not sufficient condition for producing valid results.

The user should also note that care must be taken when designating segment numbers for ground points located on the border between two segments. These boundary points must be designated as the next incremental segment number (i.e. if a point is located on the border of segments 1 and 2, this point would be designated as segment 2). This requirement is not intuitively obvious and since the output file has only a true echo of the input data, looking at the output file would not alert the user that segments have been designated incorrectly.

3.4 Output

CONVEY produces two output files, the main output file with all the parameters calculated by CONVEY, written out in Unit 6 and another which summarizes the data needed to prepare the geometry input file to SOCH, written out in Unit 7. Examples of typical output files produced by CONVEY are presented in Appendices F and G. Appendix F lists the main output file, while Appendix G lists the output file for preparing SOCH input. Both output files were produced by running CONVEY with the input file presented in Appendix E.

4. REFERENCES

1. TVA, 2008: SPP-2.6, Computer Software Control
2. Chow, Ven Te, Open Channel Hydraulics, McGraw-Hill Company, 1959.

APPENDIX A – LISTING OF THE WWIDTH SOURCE CODE

In the following listing of WWIDTH source code statements that have been commented out are highlighted in light grey.

```
C
**********************************************************************
C        *
C        *         WWIDTH - QA REV1.0 - 11/06/2008
C        *
C
**********************************************************************
C
C      PROGRAM TO COMPUTE WEIGHTED WIDTHS USING SILT RANGE SURFACE AREAS
       DIMENSION HSURFA(60,25,60),HWIDTH(60,25,60),HCUMA(60,25,60),
      1          RCUMA(30,60),RSURFA(30,60),SCUMA(30,60),SWIDTH(25,60),
      2          XCUMA(30,60),XELEV(25,60),XSURFA(30,60),SSURFA(25,60),
      3          RELEV(30),RMILE(60),XMILE(60),DX(60)
       CHARACTER*40 INFILE,OUTFIL
C
       WRITE (*,'('' WWidth Input File:  ''\)')
       READ (*,'(A)') INFILE
       WRITE (*,'('' List File (Type "PRN" for Printer):  ''\)')
       READ (*,'(A)') OUTFIL
       OPEN (5,FILE=INFILE)
       OPEN (6,FILE=OUTFIL)
C************* Change Revision Number Here ******************
       WRITE (6,11)
   11 FORMAT (" WWIDTH - QA REV1.0 - 11/06/2008"/)
C**********************************************************
       READ(5,10) NRELEV,NRXSEC,NXELEV,NXXSEC,INTV1,NSTEP1,INTV2,NSTEP2,
      1           NSTEP3
   10 FORMAT(8I9)
C      WRITE(6,10) NRELEV,NRXSEC,NXELEV,NXXSEC,INTV1,NSTEP1,INTV2,NSTEP2,
C     1            NSTEP3
       NRSURF=NRXSEC-1
       NXSURF=NXXSEC-1
       DO 20 J=1,NRSURF
       READ(5,30) (RSURFA(I,J),I=1,NRELEV)
C      WRITE(6,30) (RSURFA(I,J),I=1,NRELEV)
   20 CONTINUE
   30 FORMAT(8F9.0)
       READ(5,30) (XELEV(1,J),J=1,NXXSEC)
C      WRITE(6,30) (XELEV(1,J),J=1,NXXSEC)
       READ(5,30) (RELEV(I),I=1,NRELEV)
C      WRITE(6,30) (RELEV(I),I=1,NRELEV)
       READ(5,30) (RMILE(J),J=1,NRXSEC)
C      WRITE(6,30) (RMILE(J),J=1,NRXSEC)
       READ(5,30) (DX(I),I=1,NXSURF),TMILE
C      WRITE(6,30) (DX(I),I=1,NXSURF),TMILE
       XMILE(1)=TMILE
       DO 40 I=2,NXXSEC
       XMILE(I)=XMILE(I-1)-DX(I-1)/5280.0
   40 CONTINUE
       DO 50 J=1,NXXSEC
```

```
      DO 50 I=2,NSTEP1
      XELEV(I,J)=XELEV(I-1,J)+INTV1
   50 CONTINUE
      DO 60 J=1,NXXSEC
      DO 60 I=NSTEP2,NSTEP3
      XELEV(I,J)=XELEV(I-1,J)+INTV2
   60 CONTINUE
      DO 80 I=1,NRELEV
      RCUMA(I,1)=0.0
      DO 70 J=2,NRSURF
      RCUMA(I,J)=RCUMA(I,J-1)+RSURFA(I,J-1)
   70 CONTINUE
      RCUMA(I,NRXSEC)=RCUMA(I,NRSURF)+RSURFA(I,NRSURF)
   80 CONTINUE
      DO 110 I=1,NRELEV
      DO 110 J=1,NRSURF
      DO 110 K=1,NXXSEC
      IF((ABS(XMILE(K)-RMILE(J))).LE.0.01) XMILE(K)=RMILE(J)
      IF((ABS(XMILE(K)-RMILE(J+1))).LE.0.01) XMILE(K)=RMILE(J+1)
      IF(XMILE(K).LE.RMILE(J).AND.XMILE(K).GE.RMILE(J+1))
     1   GO TO 90
      GO TO 110
   90 IF(K.EQ.1) GO TO 100
      UMILE=RMILE(J)
      DMILE=RMILE(J+1)
      XCUMA(I,K)=RCUMA(I,J)+(((UMILE-XMILE(K))/(UMILE-DMILE))
     1           *(RCUMA(I,J+1)-RCUMA(I,J)))
      GO TO 110
  100 XCUMA(I,K)=0.0
  110 CONTINUE
      DO 120 I=1,NRELEV
      DO 120 J=1,NXSURF
      XSURFA(I,J)=XCUMA(I,J+1)-XCUMA(I,J)
  120 CONTINUE
      NRELST=NRELEV-1
      NXELST=NXELEV-1
c     write (6,879)
c 879 format (' j  i  k  xelev(i,j+1)  telev  belev  xsurfa(k,j) '
c    1          '  xsurfa(k+1,j)  ssurfa(i,j) '/)
      DO 160 J=1,NXSURF
c     if(j.eq.10) write(6,878)
c 878 format (' j  i  k  xelev(i,j+1)  relev(k)  relev(k+1) ')
      DO 160 I=1,NXELEV
      DO 160 K=1,NRELST
      IF((ABS(XELEV(I,J+1)-RELEV(K))).LE.0.01) XELEV(I,J+1)=RELEV(K)
      IF((ABS(XELEV(I,J+1)-RELEV(K+1))).LE.0.01) XELEV(I,J+1)=RELEV(K+1)
      IF(XELEV(I,J+1).GE.RELEV(K).AND.XELEV(I,J+1).LE.
     1   RELEV(K+1)) GO TO 130
c     if(j.eq.10)
c    1write (6,881) j,i,k,xelev(i,j+1),relev(k),relev(k+1)
c 881 format(3(1x,i2),f14.1,f10.1,f12.1)
      GO TO 160
  130 BELEV=RELEV(K)
ccccccIF(BELEV.LE.XELEV(1,J+1)) BELEV=XELEV(1,J+1)  Removed to match
microfilm
```

```
      TELEV=RELEV(K+1)
ccccccIF(BELEV.EQ.TELEV) BELEV=RELEV(K)  Not needed if 2 lines up removed
      SSURFA(I,J)=XSURFA(K,J)+(((XELEV(I,J+1)-BELEV))/(TELEV-BELEV))
     1             *(XSURFA(K+1,J)-XSURFA(K,J))
c     write (6,880) j,i,k,xelev(i,j+1),,telev,belev,xsurfa(k,j),
c    1              xsurfa(k+1,j),ssurfa(i,j)
c 880 format(3(1x,i2),f14.1,2f8.1,f11.2,f13.2,f11.2)
  160 CONTINUE
      DO 180 I=1,NXELEV
      SWIDTH(I,1)=(SSURFA(I,1)/DX(1))*43560.0
      DO 170 J=2,NXSURF
      SWIDTH(I,J)= (SSURFA(I,J-1)+SSURFA(I,J))/(DX(J-1)+DX(J))*43560.0
  170 CONTINUE
      SWIDTH(I,NXXSEC)=(SSURFA(I,NXSURF)/DX(NXSURF))*43560.0
  180 CONTINUE
c     write (6,882)
c 882 format ('  m  i  k  j  xelev(i,m)  relev(k)  relev(k+1)',
c    1       '  xcuma(k,j)  xcuma(k+1,j)  hcuma(m,i,j)'/)
      DO 360 M=1,NXXSEC
      DO 360 I=1,NXELEV
      DO 360 K=1,NRELST
      IF((ABS(XELEV(I,M)-RELEV(K))).LE.0.01) XELEV(I,M)=RELEV(K)
      IF((ABS(XELEV(I,M)-RELEV(K+1))).LE.0.01) XELEV(I,M)=RELEV(K+1)
      IF(XELEV(I,M).GE.RELEV(K).AND.XELEV(I,M).LE.RELEV(K+1))
     1   GO TO 330
      GO TO 360
  330 DO 340 J=1,NXXSEC
ccccccRRELEV=RELEV(K)      Not needed if line below removed
ccccccIF(RELEV(K).LE.XELEV(1,M)) RELEV(K)=XELEV(1,M)  Removed to match
microfilm
ccccccIF(RELEV(K+1).EQ.RELEV(K)) RELEV(K)=RRELEV     Not needed if line above
removed
      HCUMA(M,I,J)=(((XELEV(I,M)-RELEV(K)))/(RELEV(K+1)-RELEV(K)))*
     1              (XCUMA(K+1,J)-XCUMA(K,J))+XCUMA(K,J)
c     write (6,883) m,i,k,j,xelev(i,m),relev(k),relev(k+1),
c    1              xcuma(k,j),xcuma(k+1,j),hcuma(m,i,j)
c 883 format(4(1x,i2),f12.1,f10.1,f12.1,f12.2,2f14.2)
ccccccRELEV(K)=RRELEV          Not needed if 3 lines above removed
  340 CONTINUE
  360 CONTINUE
      DO 370 M=1,NXSURF
      DO 370 I=1,NXELEV
      DO 370 J=1,NXSURF
      HSURFA(M,I,J)=HCUMA(M,I,J+1)-HCUMA(M,I,J)
  370 CONTINUE
      DO 390 M=1,NXXSEC
      DO 390 I=1,NXELEV
      HWIDTH(M,I,1)=((HCUMA(M,I,2)-HCUMA(M,I,1))/DX(1))*43560.0
      DO 380 J=2,NXSURF
      HWIDTH(M,I,J)= (HCUMA(M,I,J+1)-HCUMA(M,I,J-1))/(DX(J-1)+DX(J))*
     1              43560.0
  380 CONTINUE
      HWIDTH(M,I,NXXSEC)=((HCUMA(M,I,NXXSEC)-HCUMA(M,I,NXSURF))/
     1                    DX(NXSURF))*43560.0
  390 CONTINUE
```

```
      DO 395 I=1,NXELEV
      SCUMA(I,1)=0.0
      DO 395 J=2,NXXSEC
      SCUMA(I,J)=SCUMA(I,J-1)+SSURFA(I,J-1)
  395 CONTINUE
      DO 1000 J=1,NRSURF
      WRITE(6,1001) J,RMILE(J),RMILE(J+1)
      WRITE(6,1002)
      DO 1003 I=1,NRELEV
      WRITE(6,1004) J,I,RELEV(I),RSURFA(I,J)
 1003 CONTINUE
 1000 CONTINUE
 1001 FORMAT(///,5X,'SILT RANGE REACH NO.',I5,5X,'SILT RANGE MILES=',
     1       F7.2,' TO',F7.2///)
 1002 FORMAT(2X,'J',2X,'I',3X,'RELEV',4X,'RSURFA'///)
 1004 FORMAT(1X,I2,1X,I2,1X,F7.2,1X,F9.2)
      DO 800 J=1,NRXSEC
      WRITE(6,801) J,RMILE(J)
      WRITE(6,802)
      DO 803 I=1,NRELEV
      WRITE(6,804) J,I,RELEV(I),RCUMA(I,J)
  803 CONTINUE
  800 CONTINUE
  801 FORMAT(///,5X,'SILT RANGE NO.',I5,5X,'RIVER MILE=',F7.2///)
  802 FORMAT(2X,'J',2X,'I',3X,'RELEV',5X,'RCUMA'///)
  804 FORMAT(1X,I2,1X,I2,1X,F7.2,1X,F9.2)
      DO 900 J=1,NXXSEC
      WRITE(6,901) J,XMILE(J)
      WRITE(6,902)
      DO 903 I=1,NRELEV
      WRITE(6,904) J,I,RELEV(I),XCUMA(I,J),SCUMA(I,J)
  903 CONTINUE
  900 CONTINUE
  901 FORMAT(///,5X,'CROSS-SECTION NO.',I5,5X,'RIVER MILE=',F7.2///)
  902 FORMAT(2X,'J',2X,'I',3X,'RELEV',5X,'XCUMA',5X,'SCUMA'///)
  904 FORMAT(1X,I2,1X,I2,1X,F7.2,1X,F9.2,1X,F9.2)
      DO 2000 J=1,NXSURF
      WRITE(6,2001) J,XMILE(J),XMILE(J+1)
      WRITE(6,2002)
      DO 2003 I=1,NRELEV
      WRITE(6,2004) J,I,RELEV(I),XSURFA(I,J)
 2003 CONTINUE
 2000 CONTINUE
 2001 FORMAT(///,5X,'CROSS-SECTION REACH NO.',I5,5X,'RIVER MILES=',
     1       F7.2,' TO',F7.2///)
 2002 FORMAT(2X,'J',2X,'I',3X,'RELEV',4X,'XSURFA'///)
 2004 FORMAT(1X,I2,1X,I2,1X,F7.2,1X,F9.2)
      M=0
      DO 3000 J=1,NXSURF
      WRITE(6,3001) J,XMILE(J),XMILE(J+1)
      M=M+1
      WRITE(6,3002)
      DO 3003 I=1,NXELEV
      WRITE(6,3004) M,I,XELEV(I,J),SSURFA(I,J),HSURFA(M,I,J)
 3003 CONTINUE
```

```
3000 CONTINUE
3001 FORMAT(///,5X,'CROSS-SECTION REACH NO.',I5,5X,'RIVER MILES=',
    1       F7.2,' TO',F7.2///)
3002 FORMAT(2X,'M',2X,'I',3X,'XELEV',4X,'SSURFA',4X,'HSURFA'///)
3004 FORMAT(1X,I2,1X,I2,1X,F7.2,1X,F9.2,1X,F9.2)
     M=0
     DO 200 J=1,NXXSEC
     WRITE(6,210) J,XMILE(J)
     M=M+1
     WRITE(6,220)
     DO 190 I=1,NXELEV
     WRITE(6,230) M,I,XELEV(I,J),HWIDTH(M,I,J),SWIDTH(I,J),
    1             HCUMA(M,I,J)
 190 CONTINUE
 200 CONTINUE
 210 FORMAT(///,5X,'CROSS-SECTION NO.',I5,5X,'RIVER MILE=',F7.2///)
 220 FORMAT(2X,'M',2X,'I',3X,'XELEV',4X,'HWIDTH',4X,'SWIDTH',5X,
    1       'HCUMA'///)
 230 FORMAT(1X,I2,1X,I2,1X,F7.2,1X,F9.2,1X,F9.2,1X,F9.2,1X,
    1       F9.2)
     WRITE(6,530)
 530 FORMAT(///,5X,'ELEV.-FT. VS. TOTAL SURF. AREA-ACRES'///)
     WRITE(6,270)
 270 FORMAT(5X,'I',5X,'RELEV',5X,'RCUMA',4X,'XCUMA'///)
     DO 250 I=1,NRELEV
     WRITE(6,260) I,RELEV(I),RCUMA(I,NRXSEC),XCUMA(I,NXXSEC)
 250 CONTINUE
 260 FORMAT(1X,I5,3F10.2)
     STOP
     END
```

APPENDIX B – EXAMPLE WWIDTH INPUT DATA FILE

An example of a typical WWIDTH input file is presented below. The following example is for the Guntersville reservoir.

```
      4       37       10       37        5        6       10        7
     10
 369.67  5127.53 14755.73 22198.50
 346.67  1849.46  2289.15  2611.86
 343.56  3744.08  6577.58  8089.59
 316.31  1730.98  2269.23  2633.40
 506.93  3378.31  5277.51  6436.65
 393.12  1394.82  1885.91  2275.56
 637.27  1994.75  2381.75  2669.19
 512.05  3578.12  5788.38  7503.29
 365.21  1913.55  2349.27  2530.41
 322.82  2020.79  2280.73  2437.48
 363.28  2187.80  2530.97  2773.89
2095.58 17045.15 27147.07 32530.51
 714.34  2260.98  2935.42  3484.96
1388.30  2355.57  2588.27  2778.23
3537.12 17252.17 23643.03 27077.31
 598.54   928.25  1023.84  1085.02
 676.24   913.41  1036.77  1181.87
1523.35  1935.19  2107.12  2266.41
1068.16  1279.56  1345.42  1415.36
1307.92  1436.67  1514.56  1571.33
3420.92 14053.85 31229.50 40473.65
1572.02  2055.03  2536.19  2867.23
4622.68 15498.39 22357.96 25114.75
2290.38  3159.88  3605.45  3840.21
4862.50  6980.15  8531.84  9543.25
2374.16  3433.20  4087.95  4510.87
1816.92  2380.46  2605.38  2707.34
2211.63  2861.47  3171.50  3402.20
1755.41  2246.24  2507.25  2626.71
4702.56  7109.39  8620.39  9736.69
1896.03  2279.10  2553.67  2787.40
4084.68  6985.42  8659.07 10063.31
8424.41 13757.24 17327.71 20199.90
1180.61  1372.38  1498.43  1648.50
2340.43  3487.08  4081.99  4550.24
 980.45  1166.96  1258.61  1343.75
    595      595      595      595      595      595      595      595
    595      595      595      595      595      595      595      595
    595      595      595      595      595      595      595      595
    595      595      595      595      595      595      595      595
    595      595      595      595      595
    595      620      640      660
  424.7    422.6   420.49   418.39   416.28   414.19   412.08   409.98
 407.88   405.77   403.67   401.57   399.47   397.36   395.26   393.16
 391.06   388.95   386.85   384.74   382.64   380.54   378.44   376.34
 374.23   372.13   370.03   367.92   365.82   363.72   361.62   359.51
 357.41   355.31   353.21    351.1      349
  11088 11140.8    11088 11140.8 11035.2 11140.8    11088    11088
11140.8    11088    11088    11088 11140.8    11088    11088    11088
11140.8    11088 11140.8    11088    11088    11088    11088 11140.8
  11088    11088 11140.8    11088    11088    11088 11140.8    11088
  11088    11088 11140.8    11088    424.7
```

APPENDIX C – EXAMPLE WWIDTH OUTPUT DATA FILE

An example of a typical output file produced by WWIDTH is presented below. This output was obtained by running WWIDTH with the input file presented in Appendix B.

```
WWIDTH - QA REV1.0 - 11/06/2008


    SILT RANGE REACH NO.    1     SILT RANGE MILES= 424.70 TO 422.60


 J  I   RELEV    RSURFA


 1  1  595.00    369.67
 1  2  620.00   5127.53
 1  3  640.00  14755.73
 1  4  660.00  22198.50


    SILT RANGE REACH NO.    2     SILT RANGE MILES= 422.60 TO 420.49


 J  I   RELEV    RSURFA


 2  1  595.00    346.67
 2  2  620.00   1849.46
 2  3  640.00   2289.15
 2  4  660.00   2611.86


    SILT RANGE REACH NO.    3     SILT RANGE MILES= 420.49 TO 418.39


 J  I   RELEV    RSURFA


 3  1  595.00    343.56
 3  2  620.00   3744.08
 3  3  640.00   6577.58
 3  4  660.00   8089.59


    SILT RANGE REACH NO.    4     SILT RANGE MILES= 418.39 TO 416.28


 J  I   RELEV    RSURFA


 4  1  595.00    316.31
 4  2  620.00   1730.98
 4  3  640.00   2269.23
 4  4  660.00   2633.40
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   SILT RANGE REACH NO.    5     SILT RANGE MILES= 416.28 TO 414.19

J  I   RELEV    RSURFA

5  1  595.00    506.93
5  2  620.00   3378.31
5  3  640.00   5277.51
5  4  660.00   6436.65

   SILT RANGE REACH NO.    6     SILT RANGE MILES= 414.19 TO 412.08

J  I   RELEV    RSURFA

6  1  595.00    393.12
6  2  620.00   1394.82
6  3  640.00   1885.91
6  4  660.00   2275.56

   SILT RANGE REACH NO.    7     SILT RANGE MILES= 412.08 TO 409.98

J  I   RELEV    RSURFA

7  1  595.00    637.27
7  2  620.00   1994.75
7  3  640.00   2381.75
7  4  660.00   2669.19

   SILT RANGE REACH NO.    8     SILT RANGE MILES= 409.98 TO 407.88

J  I   RELEV    RSURFA

8  1  595.00    512.05
8  2  620.00   3578.12
8  3  640.00   5788.38
8  4  660.00   7503.29

   SILT RANGE REACH NO.    9     SILT RANGE MILES= 407.88 TO 405.77

J  I   RELEV    RSURFA
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 9  1  595.00    365.21
 9  2  620.00   1913.55
 9  3  640.00   2349.27
 9  4  660.00   2530.41


    SILT RANGE REACH NO.   10     SILT RANGE MILES= 405.77 TO 403.67


 J  I   RELEV    RSURFA


10  1  595.00    322.82
10  2  620.00   2020.79
10  3  640.00   2280.73
10  4  660.00   2437.48


    SILT RANGE REACH NO.   11     SILT RANGE MILES= 403.67 TO 401.57


 J  I   RELEV    RSURFA


11  1  595.00    363.28
11  2  620.00   2187.80
11  3  640.00   2530.97
11  4  660.00   2773.89


    SILT RANGE REACH NO.   12     SILT RANGE MILES= 401.57 TO 399.47


 J  I   RELEV    RSURFA


12  1  595.00   2095.58
12  2  620.00  17045.15
12  3  640.00  27147.07
12  4  660.00  32530.51


    SILT RANGE REACH NO.   13     SILT RANGE MILES= 399.47 TO 397.36


 J  I   RELEV    RSURFA


13  1  595.00    714.34
13  2  620.00   2260.98
13  3  640.00   2935.42
13  4  660.00   3484.96
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    SILT RANGE REACH NO.   14     SILT RANGE MILES= 397.36 TO 395.26


 J  I   RELEV    RSURFA


14  1  595.00   1388.30
14  2  620.00   2355.57
14  3  640.00   2588.27
14  4  660.00   2778.23


    SILT RANGE REACH NO.   15     SILT RANGE MILES= 395.26 TO 393.16


 J  I   RELEV    RSURFA


15  1  595.00   3537.12
15  2  620.00  17252.17
15  3  640.00  23643.03
15  4  660.00  27077.31


    SILT RANGE REACH NO.   16     SILT RANGE MILES= 393.16 TO 391.06


 J  I   RELEV    RSURFA


16  1  595.00    598.54
16  2  620.00    928.25
16  3  640.00   1023.84
16  4  660.00   1085.02


    SILT RANGE REACH NO.   17     SILT RANGE MILES= 391.06 TO 388.95


 J  I   RELEV    RSURFA


17  1  595.00    676.24
17  2  620.00    913.41
17  3  640.00   1036.77
17  4  660.00   1181.87


    SILT RANGE REACH NO.   18     SILT RANGE MILES= 388.95 TO 386.85


 J  I   RELEV    RSURFA


18  1  595.00   1523.35
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18  2  620.00   1935.19
18  3  640.00   2107.12
18  4  660.00   2266.41


    SILT RANGE REACH NO.   19     SILT RANGE MILES= 386.85 TO 384.74


 J  I   RELEV    RSURFA


19  1  595.00   1068.16
19  2  620.00   1279.56
19  3  640.00   1345.42
19  4  660.00   1415.36


    SILT RANGE REACH NO.   20     SILT RANGE MILES= 384.74 TO 382.64


 J  I   RELEV    RSURFA


20  1  595.00   1307.92
20  2  620.00   1436.67
20  3  640.00   1514.56
20  4  660.00   1571.33


    SILT RANGE REACH NO.   21     SILT RANGE MILES= 382.64 TO 380.54


 J  I   RELEV    RSURFA


21  1  595.00   3420.92
21  2  620.00  14053.85
21  3  640.00  31229.50
21  4  660.00  40473.65


    SILT RANGE REACH NO.   22     SILT RANGE MILES= 380.54 TO 378.44


 J  I   RELEV    RSURFA


22  1  595.00   1572.02
22  2  620.00   2055.03
22  3  640.00   2536.19
22  4  660.00   2867.23


    SILT RANGE REACH NO.   23     SILT RANGE MILES= 378.44 TO 376.34
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 J  I   RELEV    RSURFA


23  1  595.00   4622.68
23  2  620.00  15498.39
23  3  640.00  22357.96
23  4  660.00  25114.75


    SILT RANGE REACH NO.   24     SILT RANGE MILES= 376.34 TO 374.23


 J  I   RELEV    RSURFA


24  1  595.00   2290.38
24  2  620.00   3159.88
24  3  640.00   3605.45
24  4  660.00   3840.21


    SILT RANGE REACH NO.   25     SILT RANGE MILES= 374.23 TO 372.13


 J  I   RELEV    RSURFA


25  1  595.00   4862.50
25  2  620.00   6980.15
25  3  640.00   8531.84
25  4  660.00   9543.25


    SILT RANGE REACH NO.   26     SILT RANGE MILES= 372.13 TO 370.03


 J  I   RELEV    RSURFA


26  1  595.00   2374.16
26  2  620.00   3433.20
26  3  640.00   4087.95
26  4  660.00   4510.87


    SILT RANGE REACH NO.   27     SILT RANGE MILES= 370.03 TO 367.92


 J  I   RELEV    RSURFA


27  1  595.00   1816.92
27  2  620.00   2380.46
27  3  640.00   2605.38
27  4  660.00   2707.34
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    SILT RANGE REACH NO.   28     SILT RANGE MILES= 367.92 TO 365.82

 J  I   RELEV    RSURFA

28  1  595.00   2211.63
28  2  620.00   2861.47
28  3  640.00   3171.50
28  4  660.00   3402.20

    SILT RANGE REACH NO.   29     SILT RANGE MILES= 365.82 TO 363.72

 J  I   RELEV    RSURFA

29  1  595.00   1755.41
29  2  620.00   2246.24
29  3  640.00   2507.25
29  4  660.00   2626.71

    SILT RANGE REACH NO.   30     SILT RANGE MILES= 363.72 TO 361.62

 J  I   RELEV    RSURFA

30  1  595.00   4702.56
30  2  620.00   7109.39
30  3  640.00   8620.39
30  4  660.00   9736.69

    SILT RANGE REACH NO.   31     SILT RANGE MILES= 361.62 TO 359.51

 J  I   RELEV    RSURFA

31  1  595.00   1896.03
31  2  620.00   2279.10
31  3  640.00   2553.67
31  4  660.00   2787.40

    SILT RANGE REACH NO.   32     SILT RANGE MILES= 359.51 TO 357.41

 J  I   RELEV    RSURFA
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32	1	595.00	4084.68
32	2	620.00	6985.42
32	3	640.00	8659.07
32	4	660.00	10063.31

SILT RANGE REACH NO. 33 SILT RANGE MILES= 357.41 TO 355.31

J	I	RELEV	RSURFA
33	1	595.00	8424.41
33	2	620.00	13757.24
33	3	640.00	17327.71
33	4	660.00	20199.90

SILT RANGE REACH NO. 34 SILT RANGE MILES= 355.31 TO 353.21

J	I	RELEV	RSURFA
34	1	595.00	1180.61
34	2	620.00	1372.38
34	3	640.00	1498.43
34	4	660.00	1648.50

SILT RANGE REACH NO. 35 SILT RANGE MILES= 353.21 TO 351.10

J	I	RELEV	RSURFA
35	1	595.00	2340.43
35	2	620.00	3487.08
35	3	640.00	4081.99
35	4	660.00	4550.24

SILT RANGE REACH NO. 36 SILT RANGE MILES= 351.10 TO 349.00

J	I	RELEV	RSURFA
36	1	595.00	980.45
36	2	620.00	1166.96
36	3	640.00	1258.61
36	4	660.00	1343.75

SILT RANGE NO. 1 RIVER MILE= 424.70

J	I	RELEV	RCUMA
1	1	595.00	0.00
1	2	620.00	0.00
1	3	640.00	0.00
1	4	660.00	0.00

SILT RANGE NO. 2 RIVER MILE= 422.60

J	I	RELEV	RCUMA
2	1	595.00	369.67
2	2	620.00	5127.53
2	3	640.00	14755.73
2	4	660.00	22198.50

SILT RANGE NO. 3 RIVER MILE= 420.49

J	I	RELEV	RCUMA
3	1	595.00	716.34
3	2	620.00	6976.99
3	3	640.00	17044.88
3	4	660.00	24810.36

SILT RANGE NO. 4 RIVER MILE= 418.39

J	I	RELEV	RCUMA
4	1	595.00	1059.90
4	2	620.00	10721.07
4	3	640.00	23622.46
4	4	660.00	32899.95

SILT RANGE NO. 5 RIVER MILE= 416.28

J	I	RELEV	RCUMA
5	1	595.00	1376.21

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5  2  620.00  12452.05
5  3  640.00  25891.69
5  4  660.00  35533.35


   SILT RANGE NO.    6     RIVER MILE= 414.19


J  I   RELEV     RCUMA


6  1  595.00   1883.14
6  2  620.00  15830.36
6  3  640.00  31169.20
6  4  660.00  41970.00


   SILT RANGE NO.    7     RIVER MILE= 412.08


J  I   RELEV     RCUMA


7  1  595.00   2276.26
7  2  620.00  17225.18
7  3  640.00  33055.11
7  4  660.00  44245.56


   SILT RANGE NO.    8     RIVER MILE= 409.98


J  I   RELEV     RCUMA


8  1  595.00   2913.53
8  2  620.00  19219.93
8  3  640.00  35436.86
8  4  660.00  46914.75


   SILT RANGE NO.    9     RIVER MILE= 407.88


J  I   RELEV     RCUMA


9  1  595.00   3425.58
9  2  620.00  22798.05
9  3  640.00  41225.24
9  4  660.00  54418.04


   SILT RANGE NO.   10     RIVER MILE= 405.77
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 J  I   RELEV     RCUMA


10  1  595.00   3790.79
10  2  620.00  24711.60
10  3  640.00  43574.51
10  4  660.00  56948.45


    SILT RANGE NO.   11     RIVER MILE= 403.67


 J  I   RELEV     RCUMA


11  1  595.00   4113.61
11  2  620.00  26732.39
11  3  640.00  45855.24
11  4  660.00  59385.93


    SILT RANGE NO.   12     RIVER MILE= 401.57


 J  I   RELEV     RCUMA


12  1  595.00   4476.89
12  2  620.00  28920.19
12  3  640.00  48386.21
12  4  660.00  62159.82


    SILT RANGE NO.   13     RIVER MILE= 399.47


 J  I   RELEV     RCUMA


13  1  595.00   6572.47
13  2  620.00  45965.34
13  3  640.00  75533.28
13  4  660.00  94690.33


    SILT RANGE NO.   14     RIVER MILE= 397.36


 J  I   RELEV     RCUMA


14  1  595.00   7286.81
14  2  620.00  48226.32
14  3  640.00  78468.70
14  4  660.00  98175.29
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    SILT RANGE NO.   15     RIVER MILE= 395.26

 J  I   RELEV      RCUMA

15  1  595.00   8675.11
15  2  620.00  50581.89
15  3  640.00  81056.97
15  4  660.00 100953.52

    SILT RANGE NO.   16     RIVER MILE= 393.16

 J  I   RELEV      RCUMA

16  1  595.00  12212.23
16  2  620.00  67834.06
16  3  640.00 104700.00
16  4  660.00 128030.83

    SILT RANGE NO.   17     RIVER MILE= 391.06

 J  I   RELEV      RCUMA

17  1  595.00  12810.77
17  2  620.00  68762.31
17  3  640.00 105723.84
17  4  660.00 129115.85

    SILT RANGE NO.   18     RIVER MILE= 388.95

 J  I   RELEV      RCUMA

18  1  595.00  13487.01
18  2  620.00  69675.72
18  3  640.00 106760.61
18  4  660.00 130297.72

    SILT RANGE NO.   19     RIVER MILE= 386.85

 J  I   RELEV      RCUMA
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```
19  1  595.00  15010.36
19  2  620.00  71610.91
19  3  640.00 108867.73
19  4  660.00 132564.12


    SILT RANGE NO.   20     RIVER MILE= 384.74


 J  I   RELEV     RCUMA


20  1  595.00  16078.52
20  2  620.00  72890.47
20  3  640.00 110213.15
20  4  660.00 133979.48


    SILT RANGE NO.   21     RIVER MILE= 382.64


 J  I   RELEV     RCUMA


21  1  595.00  17386.44
21  2  620.00  74327.14
21  3  640.00 111727.70
21  4  660.00 135550.83


    SILT RANGE NO.   22     RIVER MILE= 380.54


 J  I   RELEV     RCUMA


22  1  595.00  20807.36
22  2  620.00  88380.99
22  3  640.00 142957.20
22  4  660.00 176024.47


    SILT RANGE NO.   23     RIVER MILE= 378.44


 J  I   RELEV     RCUMA


23  1  595.00  22379.38
23  2  620.00  90436.02
23  3  640.00 145493.39
23  4  660.00 178891.70
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    SILT RANGE NO.   24     RIVER MILE= 376.34


 J  I   RELEV     RCUMA


24  1  595.00  27002.06
24  2  620.00 105934.41
24  3  640.00 167851.36
24  4  660.00 204006.45


    SILT RANGE NO.   25     RIVER MILE= 374.23


 J  I   RELEV     RCUMA


25  1  595.00  29292.44
25  2  620.00 109094.29
25  3  640.00 171456.81
25  4  660.00 207846.66


    SILT RANGE NO.   26     RIVER MILE= 372.13


 J  I   RELEV     RCUMA


26  1  595.00  34154.94
26  2  620.00 116074.44
26  3  640.00 179988.66
26  4  660.00 217389.91


    SILT RANGE NO.   27     RIVER MILE= 370.03


 J  I   RELEV     RCUMA


27  1  595.00  36529.10
27  2  620.00 119507.64
27  3  640.00 184076.61
27  4  660.00 221900.78


    SILT RANGE NO.   28     RIVER MILE= 367.92


 J  I   RELEV     RCUMA


28  1  595.00  38346.02
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 28  2  620.00 121888.10
 28  3  640.00 186681.98
 28  4  660.00 224608.11


     SILT RANGE NO.   29    RIVER MILE= 365.82


  J  I   RELEV     RCUMA


 29  1  595.00  40557.65
 29  2  620.00 124749.57
 29  3  640.00 189853.48
 29  4  660.00 228010.31


     SILT RANGE NO.   30    RIVER MILE= 363.72


  J  I   RELEV     RCUMA


 30  1  595.00  42313.06
 30  2  620.00 126995.81
 30  3  640.00 192360.73
 30  4  660.00 230637.03


     SILT RANGE NO.   31    RIVER MILE= 361.62


  J  I   RELEV     RCUMA


 31  1  595.00  47015.62
 31  2  620.00 134105.20
 31  3  640.00 200981.12
 31  4  660.00 240373.72


     SILT RANGE NO.   32    RIVER MILE= 359.51


  J  I   RELEV     RCUMA


 32  1  595.00  48911.65
 32  2  620.00 136384.30
 32  3  640.00 203534.80
 32  4  660.00 243161.11


     SILT RANGE NO.   33    RIVER MILE= 357.41
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 J  I   RELEV     RCUMA


33  1  595.00  52996.33
33  2  620.00 143369.72
33  3  640.00 212193.86
33  4  660.00 253224.42


    SILT RANGE NO.   34     RIVER MILE= 355.31


 J  I   RELEV     RCUMA


34  1  595.00  61420.74
34  2  620.00 157126.95
34  3  640.00 229521.56
34  4  660.00 273424.31


    SILT RANGE NO.   35     RIVER MILE= 353.21


 J  I   RELEV     RCUMA


35  1  595.00  62601.35
35  2  620.00 158499.33
35  3  640.00 231020.00
35  4  660.00 275072.81


    SILT RANGE NO.   36     RIVER MILE= 351.10


 J  I   RELEV     RCUMA


36  1  595.00  64941.78
36  2  620.00 161986.41
36  3  640.00 235101.98
36  4  660.00 279623.06


    SILT RANGE NO.   37     RIVER MILE= 349.00


 J  I   RELEV     RCUMA


37  1  595.00  65922.23
37  2  620.00 163153.36
37  3  640.00 236360.59
37  4  660.00 280966.81
```

CROSS-SECTION NO. 1 RIVER MILE= 424.70

J	I	RELEV	XCUMA	SCUMA
1	1	595.00	0.00	0.00
1	2	620.00	0.00	0.00
1	3	640.00	0.00	0.00
1	4	660.00	0.00	0.00

CROSS-SECTION NO. 2 RIVER MILE= 422.60

J	I	RELEV	XCUMA	SCUMA
2	1	595.00	369.67	369.67
2	2	620.00	5127.53	1321.24
2	3	640.00	14755.73	2272.81
2	4	660.00	22198.50	3224.39

CROSS-SECTION NO. 3 RIVER MILE= 420.49

J	I	RELEV	XCUMA	SCUMA
3	1	595.00	716.34	716.34
3	2	620.00	6976.99	1968.47
3	3	640.00	17044.88	3220.60
3	4	660.00	24810.36	4472.73

CROSS-SECTION NO. 4 RIVER MILE= 418.39

J	I	RELEV	XCUMA	SCUMA
4	1	595.00	1059.90	1059.90
4	2	620.00	10721.07	2992.13
4	3	640.00	23622.46	4924.37
4	4	660.00	32899.95	6856.60

CROSS-SECTION NO. 5 RIVER MILE= 416.28

J	I	RELEV	XCUMA	SCUMA

```
5  1  595.00   1376.21   1376.21
5  2  620.00  12452.05   3591.38
5  3  640.00  25891.69   5806.55
5  4  660.00  35533.35   8021.71


   CROSS-SECTION NO.    6     RIVER MILE= 414.19


J  I   RELEV     XCUMA     SCUMA


6  1  595.00   1883.14   1883.14
6  2  620.00  15830.36   4672.58
6  3  640.00  31169.20   7462.03
6  4  660.00  41970.00  10251.47


   CROSS-SECTION NO.    7     RIVER MILE= 412.08


J  I   RELEV     XCUMA     SCUMA


7  1  595.00   2276.26   2276.26
7  2  620.00  17225.18   5266.04
7  3  640.00  33055.11   8255.83
7  4  660.00  44245.56  11245.61


   CROSS-SECTION NO.    8     RIVER MILE= 409.98


J  I   RELEV     XCUMA     SCUMA


8  1  595.00   2913.53   2913.53
8  2  620.00  19219.93   6174.81
8  3  640.00  35436.86   9436.09
8  4  660.00  46914.75  12697.37


   CROSS-SECTION NO.    9     RIVER MILE= 407.88


J  I   RELEV     XCUMA     SCUMA


9  1  595.00   3425.58   3425.58
9  2  620.00  22798.05   7300.07
9  3  640.00  41225.24  11174.57
9  4  660.00  54418.04  15049.06
```

CROSS-SECTION NO. 10 RIVER MILE= 405.77

J	I	RELEV	XCUMA	SCUMA
10	1	595.00	3790.79	3790.79
10	2	620.00	24711.60	7974.95
10	3	640.00	43574.51	12159.11
10	4	660.00	56948.45	16343.28

CROSS-SECTION NO. 11 RIVER MILE= 403.67

J	I	RELEV	XCUMA	SCUMA
11	1	595.00	4113.61	4113.61
11	2	620.00	26732.39	8637.37
11	3	640.00	45855.24	13161.12
11	4	660.00	59385.93	17684.88

CROSS-SECTION NO. 12 RIVER MILE= 401.57

J	I	RELEV	XCUMA	SCUMA
12	1	595.00	4476.89	4476.89
12	2	620.00	28920.19	9365.55
12	3	640.00	48386.21	14254.21
12	4	660.00	62159.82	19142.87

CROSS-SECTION NO. 13 RIVER MILE= 399.47

J	I	RELEV	XCUMA	SCUMA
13	1	595.00	6572.47	6572.47
13	2	620.00	45965.34	14451.04
13	3	640.00	75533.28	22329.62
13	4	660.00	94690.33	30208.19

CROSS-SECTION NO. 14 RIVER MILE= 397.36

J	I	RELEV	XCUMA	SCUMA
14	1	595.00	7286.81	7286.81

```
14  2  620.00  48226.32  15474.71
14  3  640.00  78468.70  23662.61
14  4  660.00  98175.29  31850.52


    CROSS-SECTION NO.   15     RIVER MILE= 395.26


 J  I   RELEV     XCUMA     SCUMA


15  1  595.00   8675.11   8675.11
15  2  620.00  50581.89  17056.47
15  3  640.00  81056.97  25437.82
15  4  660.00 100953.52  33819.18


    CROSS-SECTION NO.   16     RIVER MILE= 393.16


 J  I   RELEV     XCUMA     SCUMA


16  1  595.00  12212.23  12212.23
16  2  620.00  67834.06  23336.60
16  3  640.00 104700.00  34460.96
16  4  660.00 128030.83  45585.33


    CROSS-SECTION NO.   17     RIVER MILE= 391.06


 J  I   RELEV     XCUMA     SCUMA


17  1  595.00  12810.77  12810.77
17  2  620.00  68762.31  24001.08
17  3  640.00 105723.84  35191.39
17  4  660.00 129115.85  46381.70


    CROSS-SECTION NO.   18     RIVER MILE= 388.95


 J  I   RELEV     XCUMA     SCUMA


18  1  595.00  13487.01  13487.01
18  2  620.00  69675.72  24724.75
18  3  640.00 106760.61  35962.49
18  4  660.00 130297.72  47200.23


    CROSS-SECTION NO.   19     RIVER MILE= 386.85
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 J  I   RELEV      XCUMA      SCUMA


19  1  595.00   15010.36   15010.36
19  2  620.00   71610.91   26330.47
19  3  640.00  108867.73   37650.58
19  4  660.00  132564.12   48970.69


    CROSS-SECTION NO.   20     RIVER MILE= 384.74


 J  I   RELEV      XCUMA      SCUMA


20  1  595.00   16078.52   16078.52
20  2  620.00   72890.47   27440.91
20  3  640.00  110213.15   38803.30
20  4  660.00  133979.48   50165.69


    CROSS-SECTION NO.   21     RIVER MILE= 382.64


 J  I   RELEV      XCUMA      SCUMA


21  1  595.00   17386.44   17386.44
21  2  620.00   74327.14   28774.58
21  3  640.00  111727.70   40162.72
21  4  660.00  135550.83   51550.86


    CROSS-SECTION NO.   22     RIVER MILE= 380.54


 J  I   RELEV      XCUMA      SCUMA


22  1  595.00   20807.36   20807.36
22  2  620.00   88380.99   34322.09
22  3  640.00  142957.20   47836.81
22  4  660.00  176024.47   61351.54


    CROSS-SECTION NO.   23     RIVER MILE= 378.44


 J  I   RELEV      XCUMA      SCUMA


23  1  595.00   22379.38   22379.38
23  2  620.00   90436.02   35990.71
23  3  640.00  145493.39   49602.04
23  4  660.00  178891.70   63213.37
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    CROSS-SECTION NO.   24     RIVER MILE= 376.34


 J  I   RELEV     XCUMA     SCUMA


24  1  595.00  27002.06  27002.06
24  2  620.00 105934.41  42788.53
24  3  640.00 167851.36  58575.00
24  4  660.00 204006.45  74361.47


    CROSS-SECTION NO.   25     RIVER MILE= 374.23


 J  I   RELEV     XCUMA     SCUMA


25  1  595.00  29292.44  29292.44
25  2  620.00 109094.29  45252.81
25  3  640.00 171456.81  61213.18
25  4  660.00 207846.66  77173.55


    CROSS-SECTION NO.   26     RIVER MILE= 372.13


 J  I   RELEV     XCUMA     SCUMA


26  1  595.00  34154.94  34154.94
26  2  620.00 116074.44  50538.84
26  3  640.00 179988.66  66922.74
26  4  660.00 217389.91  83306.63


    CROSS-SECTION NO.   27     RIVER MILE= 370.03


 J  I   RELEV     XCUMA     SCUMA


27  1  595.00  36529.10  36529.10
27  2  620.00 119507.64  53124.81
27  3  640.00 184076.61  69720.52
27  4  660.00 221900.78  86316.22


    CROSS-SECTION NO.   28     RIVER MILE= 367.92


 J  I   RELEV     XCUMA     SCUMA
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28  1  595.00  38346.02  38346.02
28  2  620.00 121888.10  55054.43
28  3  640.00 186681.98  71762.85
28  4  660.00 224608.11  88471.27


    CROSS-SECTION NO.   29     RIVER MILE= 365.82


 J  I   RELEV     XCUMA     SCUMA


29  1  595.00  40557.65  40557.65
29  2  620.00 124749.57  57396.04
29  3  640.00 189853.48  74234.42
29  4  660.00 228010.31  91072.80


    CROSS-SECTION NO.   30     RIVER MILE= 363.72


 J  I   RELEV     XCUMA     SCUMA


30  1  595.00  42313.06  42313.06
30  2  620.00 126995.81  59249.61
30  3  640.00 192360.73  76186.16
30  4  660.00 230637.03  93122.71


    CROSS-SECTION NO.   31     RIVER MILE= 361.62


 J  I   RELEV     XCUMA     SCUMA


31  1  595.00  47015.62  47015.62
31  2  620.00 134105.20  64433.54
31  3  640.00 200981.12  81851.45
31  4  660.00 240373.72  99269.37


    CROSS-SECTION NO.   32     RIVER MILE= 359.51


 J  I   RELEV     XCUMA     SCUMA


32  1  595.00  48911.65  48911.65
32  2  620.00 136384.30  66406.18
32  3  640.00 203534.80  83900.71
32  4  660.00 243161.11 101395.23
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     CROSS-SECTION NO.    33      RIVER MILE= 357.41

 J  I    RELEV      XCUMA      SCUMA

33  1  595.00  52996.33  52996.33
33  2  620.00 143369.72  71071.01
33  3  640.00 212193.86  89145.69
33  4  660.00 253224.42 107220.36

     CROSS-SECTION NO.    34      RIVER MILE= 355.31

 J  I    RELEV      XCUMA      SCUMA

34  1  595.00  61420.74  61420.74
34  2  620.00 157126.95  80561.98
34  3  640.00 229521.56  99703.23
34  4  660.00 273424.31 118844.46

     CROSS-SECTION NO.    35      RIVER MILE= 353.21

 J  I    RELEV      XCUMA      SCUMA

35  1  595.00  62601.35  62601.35
35  2  620.00 158499.33  81780.95
35  3  640.00 231020.00 100960.54
35  4  660.00 275072.81 120140.13

     CROSS-SECTION NO.    36      RIVER MILE= 351.10

 J  I    RELEV      XCUMA      SCUMA

36  1  595.00  64941.78  64941.78
36  2  620.00 161986.41  84350.70
36  3  640.00 235101.98 103759.62
36  4  660.00 279623.06 123168.55

     CROSS-SECTION NO.    37      RIVER MILE= 349.00

 J  I    RELEV      XCUMA      SCUMA

37  1  595.00  65922.23  65922.23
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 37  2  620.00 163153.36  85368.45
 37  3  640.00 236360.59 104814.68
 37  4  660.00 280966.81 124260.91


    CROSS-SECTION REACH NO.    1     RIVER MILES= 424.70 TO 422.60


 J  I   RELEV    XSURFA


 1  1  595.00    369.67
 1  2  620.00   5127.53
 1  3  640.00  14755.73
 1  4  660.00  22198.50


    CROSS-SECTION REACH NO.    2     RIVER MILES= 422.60 TO 420.49


 J  I   RELEV    XSURFA


 2  1  595.00    346.67
 2  2  620.00   1849.46
 2  3  640.00   2289.15
 2  4  660.00   2611.86


    CROSS-SECTION REACH NO.    3     RIVER MILES= 420.49 TO 418.39


 J  I   RELEV    XSURFA


 3  1  595.00    343.56
 3  2  620.00   3744.08
 3  3  640.00   6577.58
 3  4  660.00   8089.59


    CROSS-SECTION REACH NO.    4     RIVER MILES= 418.39 TO 416.28


 J  I   RELEV    XSURFA


 4  1  595.00    316.31
 4  2  620.00   1730.98
 4  3  640.00   2269.23
 4  4  660.00   2633.40


    CROSS-SECTION REACH NO.    5     RIVER MILES= 416.28 TO 414.19
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J  I   RELEV    XSURFA


5  1  595.00    506.93
5  2  620.00   3378.31
5  3  640.00   5277.51
5  4  660.00   6436.65


   CROSS-SECTION REACH NO.    6     RIVER MILES= 414.19 TO 412.08


J  I   RELEV    XSURFA


6  1  595.00    393.12
6  2  620.00   1394.82
6  3  640.00   1885.91
6  4  660.00   2275.56


   CROSS-SECTION REACH NO.    7     RIVER MILES= 412.08 TO 409.98


J  I   RELEV    XSURFA


7  1  595.00    637.27
7  2  620.00   1994.75
7  3  640.00   2381.75
7  4  660.00   2669.19


   CROSS-SECTION REACH NO.    8     RIVER MILES= 409.98 TO 407.88


J  I   RELEV    XSURFA


8  1  595.00    512.05
8  2  620.00   3578.12
8  3  640.00   5788.38
8  4  660.00   7503.29


   CROSS-SECTION REACH NO.    9     RIVER MILES= 407.88 TO 405.77


J  I   RELEV    XSURFA


9  1  595.00    365.21
9  2  620.00   1913.55
9  3  640.00   2349.27
9  4  660.00   2530.41
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    CROSS-SECTION REACH NO.   10     RIVER MILES= 405.77 TO 403.67

 J  I   RELEV    XSURFA

10  1  595.00    322.82
10  2  620.00   2020.79
10  3  640.00   2280.73
10  4  660.00   2437.48

    CROSS-SECTION REACH NO.   11     RIVER MILES= 403.67 TO 401.57

 J  I   RELEV    XSURFA

11  1  595.00    363.28
11  2  620.00   2187.80
11  3  640.00   2530.97
11  4  660.00   2773.89

    CROSS-SECTION REACH NO.   12     RIVER MILES= 401.57 TO 399.47

 J  I   RELEV    XSURFA

12  1  595.00   2095.58
12  2  620.00  17045.15
12  3  640.00  27147.07
12  4  660.00  32530.51

    CROSS-SECTION REACH NO.   13     RIVER MILES= 399.47 TO 397.36

 J  I   RELEV    XSURFA

13  1  595.00    714.34
13  2  620.00   2260.98
13  3  640.00   2935.41
13  4  660.00   3484.96

    CROSS-SECTION REACH NO.   14     RIVER MILES= 397.36 TO 395.26

 J  I   RELEV    XSURFA
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14  1  595.00   1388.30
14  2  620.00   2355.57
14  3  640.00   2588.27
14  4  660.00   2778.23


    CROSS-SECTION REACH NO.   15     RIVER MILES= 395.26 TO 393.16


 J  I   RELEV    XSURFA


15  1  595.00   3537.12
15  2  620.00  17252.17
15  3  640.00  23643.03
15  4  660.00  27077.31


    CROSS-SECTION REACH NO.   16     RIVER MILES= 393.16 TO 391.06


 J  I   RELEV    XSURFA


16  1  595.00    598.54
16  2  620.00    928.25
16  3  640.00   1023.84
16  4  660.00   1085.02


    CROSS-SECTION REACH NO.   17     RIVER MILES= 391.06 TO 388.95


 J  I   RELEV    XSURFA


17  1  595.00    676.24
17  2  620.00    913.41
17  3  640.00   1036.77
17  4  660.00   1181.87


    CROSS-SECTION REACH NO.   18     RIVER MILES= 388.95 TO 386.85


 J  I   RELEV    XSURFA


18  1  595.00   1523.35
18  2  620.00   1935.20
18  3  640.00   2107.12
18  4  660.00   2266.41
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     CROSS-SECTION REACH NO.   19     RIVER MILES= 386.85 TO 384.74


  J  I    RELEV     XSURFA


 19  1  595.00    1068.16
 19  2  620.00    1279.55
 19  3  640.00    1345.42
 19  4  660.00    1415.36


     CROSS-SECTION REACH NO.   20     RIVER MILES= 384.74 TO 382.64


  J  I    RELEV     XSURFA


 20  1  595.00    1307.92
 20  2  620.00    1436.67
 20  3  640.00    1514.55
 20  4  660.00    1571.34


     CROSS-SECTION REACH NO.   21     RIVER MILES= 382.64 TO 380.54


  J  I    RELEV     XSURFA


 21  1  595.00    3420.92
 21  2  620.00   14053.85
 21  3  640.00   31229.50
 21  4  660.00   40473.64


     CROSS-SECTION REACH NO.   22     RIVER MILES= 380.54 TO 378.44


  J  I    RELEV     XSURFA


 22  1  595.00    1572.02
 22  2  620.00    2055.03
 22  3  640.00    2536.19
 22  4  660.00    2867.23


     CROSS-SECTION REACH NO.   23     RIVER MILES= 378.44 TO 376.34


  J  I    RELEV     XSURFA


 23  1  595.00    4622.68
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23  2  620.00  15498.39
23  3  640.00  22357.97
23  4  660.00  25114.75


    CROSS-SECTION REACH NO.   24     RIVER MILES= 376.34 TO 374.23


 J  I   RELEV    XSURFA


24  1  595.00   2290.38
24  2  620.00   3159.88
24  3  640.00   3605.45
24  4  660.00   3840.20


    CROSS-SECTION REACH NO.   25     RIVER MILES= 374.23 TO 372.13


 J  I   RELEV    XSURFA


25  1  595.00   4862.50
25  2  620.00   6980.15
25  3  640.00   8531.84
25  4  660.00   9543.25


    CROSS-SECTION REACH NO.   26     RIVER MILES= 372.13 TO 370.03


 J  I   RELEV    XSURFA


26  1  595.00   2374.16
26  2  620.00   3433.20
26  3  640.00   4087.95
26  4  660.00   4510.88


    CROSS-SECTION REACH NO.   27     RIVER MILES= 370.03 TO 367.92


 J  I   RELEV    XSURFA


27  1  595.00   1816.92
27  2  620.00   2380.46
27  3  640.00   2605.38
27  4  660.00   2707.33


    CROSS-SECTION REACH NO.   28     RIVER MILES= 367.92 TO 365.82
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 J  I   RELEV    XSURFA


28  1  595.00   2211.63
28  2  620.00   2861.47
28  3  640.00   3171.50
28  4  660.00   3402.20


    CROSS-SECTION REACH NO.   29     RIVER MILES= 365.82 TO 363.72


 J  I   RELEV    XSURFA


29  1  595.00   1755.41
29  2  620.00   2246.24
29  3  640.00   2507.25
29  4  660.00   2626.72


    CROSS-SECTION REACH NO.   30     RIVER MILES= 363.72 TO 361.62


 J  I   RELEV    XSURFA


30  1  595.00   4702.56
30  2  620.00   7109.39
30  3  640.00   8620.39
30  4  660.00   9736.69


    CROSS-SECTION REACH NO.   31     RIVER MILES= 361.62 TO 359.51


 J  I   RELEV    XSURFA


31  1  595.00   1896.03
31  2  620.00   2279.09
31  3  640.00   2553.67
31  4  660.00   2787.39


    CROSS-SECTION REACH NO.   32     RIVER MILES= 359.51 TO 357.41


 J  I   RELEV    XSURFA


32  1  595.00   4084.68
32  2  620.00   6985.42
32  3  640.00   8659.06
32  4  660.00  10063.31
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    CROSS-SECTION REACH NO.   33     RIVER MILES= 357.41 TO 355.31


 J  I   RELEV    XSURFA


33  1  595.00   8424.41
33  2  620.00  13757.23
33  3  640.00  17327.70
33  4  660.00  20199.89


    CROSS-SECTION REACH NO.   34     RIVER MILES= 355.31 TO 353.21


 J  I   RELEV    XSURFA


34  1  595.00   1180.61
34  2  620.00   1372.38
34  3  640.00   1498.44
34  4  660.00   1648.50


    CROSS-SECTION REACH NO.   35     RIVER MILES= 353.21 TO 351.10


 J  I   RELEV    XSURFA


35  1  595.00   2340.43
35  2  620.00   3487.08
35  3  640.00   4081.98
35  4  660.00   4550.25


    CROSS-SECTION REACH NO.   36     RIVER MILES= 351.10 TO 349.00


 J  I   RELEV    XSURFA


36  1  595.00    980.45
36  2  620.00   1166.95
36  3  640.00   1258.61
36  4  660.00   1343.75


    CROSS-SECTION REACH NO.    1     RIVER MILES= 424.70 TO 422.60


 M  I   XELEV    SSURFA    HSURFA
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1	1	595.00	369.67	369.67
1	2	600.00	1321.24	1321.24
1	3	605.00	2272.81	2272.81
1	4	610.00	3224.39	3224.39
1	5	615.00	4175.96	4175.96
1	6	620.00	5127.53	5127.53
1	7	630.00	9941.63	9941.63
1	8	640.00	14755.73	14755.73
1	9	650.00	18477.12	18477.12
1	10	660.00	22198.50	22198.50

CROSS-SECTION REACH NO. 2 RIVER MILES= 422.60 TO 420.49

M	I	XELEV	SSURFA	HSURFA
2	1	595.00	346.67	346.67
2	2	600.00	647.23	647.23
2	3	605.00	947.79	947.79
2	4	610.00	1248.34	1248.34
2	5	615.00	1548.90	1548.90
2	6	620.00	1849.46	1849.46
2	7	630.00	2069.31	2069.31
2	8	640.00	2289.15	2289.15
2	9	650.00	2450.50	2450.51
2	10	660.00	2611.86	2611.86

CROSS-SECTION REACH NO. 3 RIVER MILES= 420.49 TO 418.39

M	I	XELEV	SSURFA	HSURFA
3	1	595.00	343.56	343.56
3	2	600.00	1023.66	1023.66
3	3	605.00	1703.77	1703.77
3	4	610.00	2383.87	2383.87
3	5	615.00	3063.98	3063.98
3	6	620.00	3744.08	3744.08
3	7	630.00	5160.83	5160.83
3	8	640.00	6577.58	6577.58
3	9	650.00	7333.58	7333.58
3	10	660.00	8089.59	8089.59

CROSS-SECTION REACH NO. 4 RIVER MILES= 418.39 TO 416.28

M	I	XELEV	SSURFA	HSURFA
4	1	595.00	316.31	316.31
4	2	600.00	599.24	599.24
4	3	605.00	882.18	882.18
4	4	610.00	1165.11	1165.11

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4  5  615.00   1448.05   1448.05
4  6  620.00   1730.98   1730.98
4  7  630.00   2000.10   2000.11
4  8  640.00   2269.23   2269.23
4  9  650.00   2451.32   2451.32
4 10  660.00   2633.40   2633.40


   CROSS-SECTION REACH NO.    5     RIVER MILES= 416.28 TO 414.19


M  I   XELEV    SSURFA    HSURFA


5  1  595.00    506.93    506.93
5  2  600.00   1081.21   1081.21
5  3  605.00   1655.48   1655.48
5  4  610.00   2229.76   2229.76
5  5  615.00   2804.03   2804.03
5  6  620.00   3378.31   3378.31
5  7  630.00   4327.91   4327.91
5  8  640.00   5277.51   5277.51
5  9  650.00   5857.08   5857.08
5 10  660.00   6436.65   6436.65


   CROSS-SECTION REACH NO.    6     RIVER MILES= 414.19 TO 412.08


M  I   XELEV    SSURFA    HSURFA


6  1  595.00    393.12    393.12
6  2  600.00    593.46    593.46
6  3  605.00    793.80    793.80
6  4  610.00    994.14    994.14
6  5  615.00   1194.48   1194.48
6  6  620.00   1394.82   1394.82
6  7  630.00   1640.37   1640.37
6  8  640.00   1885.91   1885.91
6  9  650.00   2080.73   2080.73
6 10  660.00   2275.56   2275.56


   CROSS-SECTION REACH NO.    7     RIVER MILES= 412.08 TO 409.98


M  I   XELEV    SSURFA    HSURFA


7  1  595.00    637.27    637.27
7  2  600.00    908.77    908.77
7  3  605.00   1180.26   1180.26
7  4  610.00   1451.76   1451.76
7  5  615.00   1723.25   1723.25
7  6  620.00   1994.75   1994.75
7  7  630.00   2188.25   2188.25
7  8  640.00   2381.75   2381.75
7  9  650.00   2525.47   2525.47
7 10  660.00   2669.19   2669.19
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CROSS-SECTION REACH NO. 8 RIVER MILES= 409.98 TO 407.88

M	I	XELEV	SSURFA	HSURFA
8	1	595.00	512.05	512.05
8	2	600.00	1125.26	1125.26
8	3	605.00	1738.48	1738.48
8	4	610.00	2351.69	2351.69
8	5	615.00	2964.91	2964.91
8	6	620.00	3578.12	3578.12
8	7	630.00	4683.25	4683.25
8	8	640.00	5788.38	5788.38
8	9	650.00	6645.83	6645.84
8	10	660.00	7503.29	7503.29

CROSS-SECTION REACH NO. 9 RIVER MILES= 407.88 TO 405.77

M	I	XELEV	SSURFA	HSURFA
9	1	595.00	365.21	365.21
9	2	600.00	674.88	674.88
9	3	605.00	984.55	984.55
9	4	610.00	1294.21	1294.21
9	5	615.00	1603.88	1603.88
9	6	620.00	1913.55	1913.55
9	7	630.00	2131.41	2131.41
9	8	640.00	2349.27	2349.27
9	9	650.00	2439.84	2439.84
9	10	660.00	2530.41	2530.41

CROSS-SECTION REACH NO. 10 RIVER MILES= 405.77 TO 403.67

M	I	XELEV	SSURFA	HSURFA
10	1	595.00	322.82	322.82
10	2	600.00	662.41	662.41
10	3	605.00	1002.01	1002.01
10	4	610.00	1341.60	1341.60
10	5	615.00	1681.20	1681.20
10	6	620.00	2020.79	2020.79
10	7	630.00	2150.76	2150.76
10	8	640.00	2280.73	2280.73
10	9	650.00	2359.11	2359.11
10	10	660.00	2437.48	2437.48

CROSS-SECTION REACH NO. 11 RIVER MILES= 403.67 TO 401.57

M	I	XELEV	SSURFA	HSURFA
11	1	595.00	363.28	363.28
11	2	600.00	728.18	728.18
11	3	605.00	1093.09	1093.09
11	4	610.00	1457.99	1457.99
11	5	615.00	1822.90	1822.90
11	6	620.00	2187.80	2187.80
11	7	630.00	2359.38	2359.39
11	8	640.00	2530.97	2530.97
11	9	650.00	2652.43	2652.43
11	10	660.00	2773.89	2773.89

CROSS-SECTION REACH NO. 12 RIVER MILES= 401.57 TO 399.47

M	I	XELEV	SSURFA	HSURFA
12	1	595.00	2095.58	2095.58
12	2	600.00	5085.49	5085.49
12	3	605.00	8075.41	8075.41
12	4	610.00	11065.32	11065.32
12	5	615.00	14055.23	14055.23
12	6	620.00	17045.15	17045.15
12	7	630.00	22096.11	22096.11
12	8	640.00	27147.07	27147.07
12	9	650.00	29838.79	29838.79
12	10	660.00	32530.51	32530.51

CROSS-SECTION REACH NO. 13 RIVER MILES= 399.47 TO 397.36

M	I	XELEV	SSURFA	HSURFA
13	1	595.00	714.34	714.34
13	2	600.00	1023.67	1023.67
13	3	605.00	1333.00	1333.00
13	4	610.00	1642.32	1642.32
13	5	615.00	1951.65	1951.65
13	6	620.00	2260.98	2260.98
13	7	630.00	2598.20	2598.20
13	8	640.00	2935.41	2935.41
13	9	650.00	3210.19	3210.19
13	10	660.00	3484.96	3484.96

CROSS-SECTION REACH NO. 14 RIVER MILES= 397.36 TO 395.26

M	I	XELEV	SSURFA	HSURFA
14	1	595.00	1388.30	1388.30

14	2	600.00	1581.75	1581.75
14	3	605.00	1775.21	1775.21
14	4	610.00	1968.66	1968.66
14	5	615.00	2162.12	2162.12
14	6	620.00	2355.57	2355.57
14	7	630.00	2471.92	2471.92
14	8	640.00	2588.27	2588.27
14	9	650.00	2683.25	2683.25
14	10	660.00	2778.23	2778.23

CROSS-SECTION REACH NO. 15 RIVER MILES= 395.26 TO 393.16

M	I	XELEV	SSURFA	HSURFA
15	1	595.00	3537.12	3537.12
15	2	600.00	6280.13	6280.13
15	3	605.00	9023.14	9023.14
15	4	610.00	11766.15	11766.15
15	5	615.00	14509.16	14509.16
15	6	620.00	17252.17	17252.17
15	7	630.00	20447.60	20447.60
15	8	640.00	23643.03	23643.03
15	9	650.00	25360.17	25360.17
15	10	660.00	27077.31	27077.31

CROSS-SECTION REACH NO. 16 RIVER MILES= 393.16 TO 391.06

M	I	XELEV	SSURFA	HSURFA
16	1	595.00	598.54	598.54
16	2	600.00	664.48	664.48
16	3	605.00	730.42	730.42
16	4	610.00	796.37	796.37
16	5	615.00	862.31	862.31
16	6	620.00	928.25	928.25
16	7	630.00	976.04	976.05
16	8	640.00	1023.84	1023.84
16	9	650.00	1054.43	1054.43
16	10	660.00	1085.02	1085.02

CROSS-SECTION REACH NO. 17 RIVER MILES= 391.06 TO 388.95

M	I	XELEV	SSURFA	HSURFA
17	1	595.00	676.24	676.24
17	2	600.00	723.67	723.67
17	3	605.00	771.11	771.11
17	4	610.00	818.54	818.54
17	5	615.00	865.97	865.97
17	6	620.00	913.41	913.41
17	7	630.00	975.09	975.09

17	8	640.00	1036.77	1036.77
17	9	650.00	1109.32	1109.32
17	10	660.00	1181.87	1181.87

CROSS-SECTION REACH NO. 18 RIVER MILES= 388.95 TO 386.85

M	I	XELEV	SSURFA	HSURFA
18	1	595.00	1523.35	1523.35
18	2	600.00	1605.72	1605.72
18	3	605.00	1688.09	1688.09
18	4	610.00	1770.46	1770.46
18	5	615.00	1852.83	1852.83
18	6	620.00	1935.20	1935.20
18	7	630.00	2021.16	2021.16
18	8	640.00	2107.12	2107.12
18	9	650.00	2186.76	2186.76
18	10	660.00	2266.41	2266.41

CROSS-SECTION REACH NO. 19 RIVER MILES= 386.85 TO 384.74

M	I	XELEV	SSURFA	HSURFA
19	1	595.00	1068.16	1068.16
19	2	600.00	1110.44	1110.44
19	3	605.00	1152.72	1152.72
19	4	610.00	1195.00	1195.00
19	5	615.00	1237.28	1237.27
19	6	620.00	1279.55	1279.55
19	7	630.00	1312.49	1312.49
19	8	640.00	1345.42	1345.42
19	9	650.00	1380.39	1380.39
19	10	660.00	1415.36	1415.36

CROSS-SECTION REACH NO. 20 RIVER MILES= 384.74 TO 382.64

M	I	XELEV	SSURFA	HSURFA
20	1	595.00	1307.92	1307.92
20	2	600.00	1333.67	1333.67
20	3	605.00	1359.42	1359.42
20	4	610.00	1385.17	1385.17
20	5	615.00	1410.92	1410.92
20	6	620.00	1436.67	1436.67
20	7	630.00	1475.61	1475.61
20	8	640.00	1514.55	1514.55
20	9	650.00	1542.95	1542.95
20	10	660.00	1571.34	1571.34

CROSS-SECTION REACH NO. 21 RIVER MILES= 382.64 TO 380.54

M	I	XELEV	SSURFA	HSURFA
21	1	595.00	3420.92	3420.92
21	2	600.00	5547.51	5547.50
21	3	605.00	7674.09	7674.09
21	4	610.00	9800.68	9800.68
21	5	615.00	11927.27	11927.27
21	6	620.00	14053.85	14053.85
21	7	630.00	22641.68	22641.67
21	8	640.00	31229.50	31229.50
21	9	650.00	35851.57	35851.58
21	10	660.00	40473.64	40473.64

CROSS-SECTION REACH NO. 22 RIVER MILES= 380.54 TO 378.44

M	I	XELEV	SSURFA	HSURFA
22	1	595.00	1572.02	1572.02
22	2	600.00	1668.62	1668.62
22	3	605.00	1765.22	1765.23
22	4	610.00	1861.83	1861.83
22	5	615.00	1958.43	1958.43
22	6	620.00	2055.03	2055.03
22	7	630.00	2295.61	2295.61
22	8	640.00	2536.19	2536.19
22	9	650.00	2701.71	2701.70
22	10	660.00	2867.23	2867.23

CROSS-SECTION REACH NO. 23 RIVER MILES= 378.44 TO 376.34

M	I	XELEV	SSURFA	HSURFA
23	1	595.00	4622.68	4622.68
23	2	600.00	6797.82	6797.82
23	3	605.00	8972.96	8972.96
23	4	610.00	11148.11	11148.10
23	5	615.00	13323.25	13323.25
23	6	620.00	15498.39	15498.39
23	7	630.00	18928.18	18928.19
23	8	640.00	22357.97	22357.97
23	9	650.00	23736.36	23736.36
23	10	660.00	25114.75	25114.75

CROSS-SECTION REACH NO. 24 RIVER MILES= 376.34 TO 374.23

M	I	XELEV	SSURFA	HSURFA

24	1	595.00	2290.38	2290.38
24	2	600.00	2464.28	2464.28
24	3	605.00	2638.18	2638.18
24	4	610.00	2812.08	2812.08
24	5	615.00	2985.98	2985.98
24	6	620.00	3159.88	3159.88
24	7	630.00	3382.66	3382.66
24	8	640.00	3605.45	3605.45
24	9	650.00	3722.83	3722.83
24	10	660.00	3840.20	3840.20

CROSS-SECTION REACH NO. 25 RIVER MILES= 374.23 TO 372.13

M	I	XELEV	SSURFA	HSURFA
25	1	595.00	4862.50	4862.50
25	2	600.00	5286.03	5286.03
25	3	605.00	5709.56	5709.56
25	4	610.00	6133.09	6133.09
25	5	615.00	6556.62	6556.62
25	6	620.00	6980.15	6980.15
25	7	630.00	7756.00	7756.00
25	8	640.00	8531.84	8531.84
25	9	650.00	9037.55	9037.55
25	10	660.00	9543.25	9543.25

CROSS-SECTION REACH NO. 26 RIVER MILES= 372.13 TO 370.03

M	I	XELEV	SSURFA	HSURFA
26	1	595.00	2374.16	2374.16
26	2	600.00	2585.97	2585.97
26	3	605.00	2797.78	2797.77
26	4	610.00	3009.59	3009.59
26	5	615.00	3221.39	3221.39
26	6	620.00	3433.20	3433.20
26	7	630.00	3760.58	3760.58
26	8	640.00	4087.95	4087.95
26	9	650.00	4299.41	4299.41
26	10	660.00	4510.88	4510.88

CROSS-SECTION REACH NO. 27 RIVER MILES= 370.03 TO 367.92

M	I	XELEV	SSURFA	HSURFA
27	1	595.00	1816.92	1816.92
27	2	600.00	1929.63	1929.63
27	3	605.00	2042.34	2042.34
27	4	610.00	2155.04	2155.04

27	5	615.00	2267.75	2267.76
27	6	620.00	2380.46	2380.46
27	7	630.00	2492.92	2492.92
27	8	640.00	2605.38	2605.38
27	9	650.00	2656.35	2656.36
27	10	660.00	2707.33	2707.33

CROSS-SECTION REACH NO. 28 RIVER MILES= 367.92 TO 365.82

M	I	XELEV	SSURFA	HSURFA
28	1	595.00	2211.63	2211.63
28	2	600.00	2341.60	2341.60
28	3	605.00	2471.57	2471.57
28	4	610.00	2601.53	2601.54
28	5	615.00	2731.50	2731.50
28	6	620.00	2861.47	2861.47
28	7	630.00	3016.48	3016.48
28	8	640.00	3171.50	3171.50
28	9	650.00	3286.85	3286.86
28	10	660.00	3402.20	3402.20

CROSS-SECTION REACH NO. 29 RIVER MILES= 365.82 TO 363.72

M	I	XELEV	SSURFA	HSURFA
29	1	595.00	1755.41	1755.41
29	2	600.00	1853.58	1853.58
29	3	605.00	1951.74	1951.74
29	4	610.00	2049.91	2049.91
29	5	615.00	2148.08	2148.08
29	6	620.00	2246.24	2246.24
29	7	630.00	2376.75	2376.75
29	8	640.00	2507.25	2507.25
29	9	650.00	2566.98	2566.97
29	10	660.00	2626.72	2626.72

CROSS-SECTION REACH NO. 30 RIVER MILES= 363.72 TO 361.62

M	I	XELEV	SSURFA	HSURFA
30	1	595.00	4702.56	4702.56
30	2	600.00	5183.92	5183.93
30	3	605.00	5665.29	5665.29
30	4	610.00	6146.66	6146.66
30	5	615.00	6628.02	6628.02
30	6	620.00	7109.39	7109.39
30	7	630.00	7864.89	7864.88
30	8	640.00	8620.39	8620.39
30	9	650.00	9178.54	9178.55
30	10	660.00	9736.69	9736.69

CROSS-SECTION REACH NO. 31 RIVER MILES= 361.62 TO 359.51

M	I	XELEV	SSURFA	HSURFA
31	1	595.00	1896.03	1896.03
31	2	600.00	1972.64	1972.64
31	3	605.00	2049.26	2049.26
31	4	610.00	2125.87	2125.88
31	5	615.00	2202.48	2202.48
31	6	620.00	2279.09	2279.09
31	7	630.00	2416.38	2416.39
31	8	640.00	2553.67	2553.67
31	9	650.00	2670.53	2670.53
31	10	660.00	2787.39	2787.39

CROSS-SECTION REACH NO. 32 RIVER MILES= 359.51 TO 357.41

M	I	XELEV	SSURFA	HSURFA
32	1	595.00	4084.68	4084.68
32	2	600.00	4664.83	4664.83
32	3	605.00	5244.98	5244.98
32	4	610.00	5825.12	5825.12
32	5	615.00	6405.27	6405.27
32	6	620.00	6985.42	6985.42
32	7	630.00	7822.24	7822.23
32	8	640.00	8659.06	8659.06
32	9	650.00	9361.19	9361.19
32	10	660.00	10063.31	10063.31

CROSS-SECTION REACH NO. 33 RIVER MILES= 357.41 TO 355.31

M	I	XELEV	SSURFA	HSURFA
33	1	595.00	8424.41	8424.41
33	2	600.00	9490.97	9490.98
33	3	605.00	10557.54	10557.54
33	4	610.00	11624.10	11624.10
33	5	615.00	12690.67	12690.68
33	6	620.00	13757.23	13757.23
33	7	630.00	15542.47	15542.47
33	8	640.00	17327.70	17327.70
33	9	650.00	18763.80	18763.80
33	10	660.00	20199.89	20199.89

CROSS-SECTION REACH NO. 34 RIVER MILES= 355.31 TO 353.21

M	I	XELEV	SSURFA	HSURFA
34	1	595.00	1180.61	1180.61
34	2	600.00	1218.96	1218.96
34	3	605.00	1257.32	1257.31
34	4	610.00	1295.67	1295.67
34	5	615.00	1334.02	1334.02
34	6	620.00	1372.38	1372.38
34	7	630.00	1435.41	1435.41
34	8	640.00	1498.44	1498.44
34	9	650.00	1573.47	1573.47
34	10	660.00	1648.50	1648.50

CROSS-SECTION REACH NO. 35 RIVER MILES= 353.21 TO 351.10

M	I	XELEV	SSURFA	HSURFA
35	1	595.00	2340.43	2340.43
35	2	600.00	2569.76	2569.76
35	3	605.00	2799.09	2799.09
35	4	610.00	3028.42	3028.41
35	5	615.00	3257.75	3257.75
35	6	620.00	3487.08	3487.08
35	7	630.00	3784.53	3784.53
35	8	640.00	4081.98	4081.98
35	9	650.00	4316.12	4316.12
35	10	660.00	4550.25	4550.25

CROSS-SECTION REACH NO. 36 RIVER MILES= 351.10 TO 349.00

M	I	XELEV	SSURFA	HSURFA
36	1	595.00	980.45	980.45
36	2	600.00	1017.75	1017.76
36	3	605.00	1055.05	1055.05
36	4	610.00	1092.35	1092.35
36	5	615.00	1129.65	1129.66
36	6	620.00	1166.95	1166.95
36	7	630.00	1212.78	1212.78
36	8	640.00	1258.61	1258.61
36	9	650.00	1301.18	1301.17
36	10	660.00	1343.75	1343.75

CROSS-SECTION NO. 1 RIVER MILE= 424.70

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
1	1	595.00	1452.28	1452.28	0.00

1	2	600.00	5190.59	5190.59	0.00
1	3	605.00	8928.91	8928.91	0.00
1	4	610.00	12667.23	12667.23	0.00
1	5	615.00	16405.55	16405.55	0.00
1	6	620.00	20143.87	20143.87	0.00
1	7	630.00	39056.40	39056.40	0.00
1	8	640.00	57968.94	57968.94	0.00
1	9	650.00	72588.66	72588.66	0.00
1	10	660.00	87208.39	87208.39	0.00

CROSS-SECTION NO. 2 RIVER MILE= 422.60

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
2	1	595.00	1403.75	1403.75	369.67
2	2	600.00	3857.45	3857.45	1321.24
2	3	605.00	6311.15	6311.15	2272.81
2	4	610.00	8764.85	8764.85	3224.39
2	5	615.00	11218.55	11218.55	4175.96
2	6	620.00	13672.25	13672.25	5127.53
2	7	630.00	23536.87	23536.87	9941.63
2	8	640.00	33401.49	33401.49	14755.73
2	9	650.00	41010.18	41010.18	18477.12
2	10	660.00	48618.88	48618.88	22198.50

CROSS-SECTION NO. 3 RIVER MILE= 420.49

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
3	1	595.00	1352.59	1352.59	716.34
3	2	600.00	3274.31	3274.31	1968.47
3	3	605.00	5196.04	5196.04	3220.60
3	4	610.00	7117.76	7117.76	4472.73
3	5	615.00	9039.49	9039.49	5724.86
3	6	620.00	10961.21	10961.21	6976.99
3	7	630.00	14168.32	14168.32	12010.94
3	8	640.00	17375.42	17375.42	17044.88
3	9	650.00	19173.10	19173.10	20927.62
3	10	660.00	20970.77	20970.77	24810.36

CROSS-SECTION NO. 4 RIVER MILE= 418.39

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
4	1	595.00	1293.09	1293.09	1059.90
4	2	600.00	3180.28	3180.28	2992.13
4	3	605.00	5067.47	5067.47	4924.37
4	4	610.00	6954.66	6954.66	6856.60
4	5	615.00	8841.85	8841.85	8788.84
4	6	620.00	10729.04	10729.04	10721.07
4	7	630.00	14032.71	14032.71	17171.77

4	8	640.00	17336.39	17336.39	23622.46
4	9	650.00	19174.69	19174.69	28261.21
4	10	660.00	21012.99	21012.99	32899.95

CROSS-SECTION NO. 5 RIVER MILE= 416.28

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
5	1	595.00	1617.08	1617.08	1376.21
5	2	600.00	3300.88	3300.88	3591.38
5	3	605.00	4984.69	4984.69	5806.55
5	4	610.00	6668.49	6668.49	8021.71
5	5	615.00	8352.30	8352.30	10236.88
5	6	620.00	10036.10	10036.10	12452.05
5	7	630.00	12430.03	12430.03	19171.87
5	8	640.00	14823.95	14823.95	25891.69
5	9	650.00	16320.06	16320.06	30712.52
5	10	660.00	17816.17	17816.17	35533.35

CROSS-SECTION NO. 6 RIVER MILE= 414.19

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
6	1	595.00	1767.96	1767.96	1883.14
6	2	600.00	3289.52	3289.52	4672.58
6	3	605.00	4811.09	4811.09	7462.03
6	4	610.00	6332.66	6332.66	10251.47
6	5	615.00	7854.22	7854.22	13040.92
6	6	620.00	9375.79	9375.79	15830.36
6	7	630.00	11723.39	11723.40	23499.78
6	8	640.00	14071.00	14071.00	31169.20
6	9	650.00	15592.14	15592.13	36569.60
6	10	660.00	17113.26	17113.26	41970.00

CROSS-SECTION NO. 7 RIVER MILE= 412.08

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
7	1	595.00	2019.17	2019.17	2276.26
7	2	600.00	2943.79	2943.79	5266.04
7	3	605.00	3868.41	3868.41	8255.83
7	4	610.00	4793.03	4793.03	11245.61
7	5	615.00	5717.65	5717.65	14235.40
7	6	620.00	6642.27	6642.27	17225.18
7	7	630.00	7502.63	7502.63	25140.14
7	8	640.00	8362.99	8362.99	33055.11
7	9	650.00	9026.41	9026.41	38650.34
7	10	660.00	9689.83	9689.83	44245.56

CROSS-SECTION NO. 8 RIVER MILE= 409.98

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
8	1	595.00	2257.59	2257.59	2913.53
8	2	600.00	3995.42	3995.42	6174.81
8	3	605.00	5733.24	5733.24	9436.09
8	4	610.00	7471.06	7471.06	12697.37
8	5	615.00	9208.89	9208.89	15958.65
8	6	620.00	10946.71	10946.71	19219.93
8	7	630.00	13497.59	13497.59	27328.39
8	8	640.00	16048.47	16048.47	35436.86
8	9	650.00	18015.06	18015.06	41175.80
8	10	660.00	19981.66	19981.66	46914.75

CROSS-SECTION NO. 9 RIVER MILE= 407.88

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
9	1	595.00	1719.10	1719.10	3425.58
9	2	600.00	3527.59	3527.59	7300.07
9	3	605.00	5336.09	5336.09	11174.57
9	4	610.00	7144.59	7144.59	15049.06
9	5	615.00	8953.09	8953.09	18923.56
9	6	620.00	10761.59	10761.59	22798.05
9	7	630.00	13354.14	13354.14	32011.64
9	8	640.00	15946.70	15946.70	41225.24
9	9	650.00	17804.46	17804.47	47821.64
9	10	660.00	19662.24	19662.24	54418.04

CROSS-SECTION NO. 10 RIVER MILE= 405.77

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
10	1	595.00	1348.28	1348.28	3790.79
10	2	600.00	2620.58	2620.58	7974.95
10	3	605.00	3892.89	3892.89	12159.11
10	4	610.00	5165.20	5165.20	16343.28
10	5	615.00	6437.50	6437.50	20527.44
10	6	620.00	7709.81	7709.81	24711.60
10	7	630.00	8391.42	8391.43	34143.05
10	8	640.00	9073.04	9073.04	43574.51
10	9	650.00	9404.11	9404.11	50261.48
10	10	660.00	9735.18	9735.18	56948.45

CROSS-SECTION NO. 11 RIVER MILE= 403.67

M	I	XELEV	HWIDTH	SWIDTH	HCUMA

11	1	595.00	1347.70	1347.70	4113.61
11	2	600.00	2731.53	2731.53	8637.37
11	3	605.00	4115.37	4115.37	13161.12
11	4	610.00	5499.20	5499.20	17684.88
11	5	615.00	6883.04	6883.04	22208.63
11	6	620.00	8266.87	8266.87	26732.39
11	7	630.00	8859.21	8859.21	36293.81
11	8	640.00	9451.55	9451.55	45855.24
11	9	650.00	9844.09	9844.09	52620.59
11	10	660.00	10236.62	10236.62	59385.93

CROSS-SECTION NO. 12 RIVER MILE= 401.57

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
12	1	595.00	4829.90	4829.90	4476.89
12	2	600.00	11419.72	11419.72	9365.55
12	3	605.00	18009.54	18009.54	14254.21
12	4	610.00	24599.36	24599.37	19142.87
12	5	615.00	31189.19	31189.19	24031.53
12	6	620.00	37779.01	37779.01	28920.19
12	7	630.00	48037.59	48037.58	38653.20
12	8	640.00	58296.16	58296.16	48386.21
12	9	650.00	63822.04	63822.04	55273.02
12	10	660.00	69347.92	69347.92	62159.82

CROSS-SECTION NO. 13 RIVER MILE= 399.47

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
13	1	595.00	5506.38	5506.38	6572.47
13	2	600.00	11971.63	11971.63	14451.04
13	3	605.00	18436.89	18436.89	22329.62
13	4	610.00	24902.15	24902.16	30208.19
13	5	615.00	31367.41	31367.41	38086.77
13	6	620.00	37832.68	37832.68	45965.34
13	7	630.00	48391.46	48391.46	60749.31
13	8	640.00	58950.25	58950.25	75533.28
13	9	650.00	64763.43	64763.44	85111.80
13	10	660.00	70576.63	70576.63	94690.33

CROSS-SECTION NO. 14 RIVER MILE= 397.36

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
14	1	595.00	4120.38	4120.38	7286.81
14	2	600.00	5105.64	5105.64	15474.71
14	3	605.00	6090.90	6090.90	23662.61
14	4	610.00	7076.16	7076.16	31850.52

14	5	615.00	8061.42	8061.42	40038.42
14	6	620.00	9046.69	9046.69	48226.32
14	7	630.00	9935.50	9935.51	63347.51
14	8	640.00	10824.33	10824.33	78468.70
14	9	650.00	11548.90	11548.90	88321.99
14	10	660.00	12273.47	12273.47	98175.29

CROSS-SECTION NO. 15 RIVER MILE= 395.26

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
15	1	595.00	9674.93	9674.93	8675.11
15	2	600.00	15442.99	15442.99	17056.47
15	3	605.00	21211.05	21211.04	25437.82
15	4	610.00	26979.10	26979.10	33819.18
15	5	615.00	32747.15	32747.15	42200.54
15	6	620.00	38515.21	38515.21	50581.89
15	7	630.00	45020.49	45020.49	65819.43
15	8	640.00	51525.78	51525.78	81056.97
15	9	650.00	55085.29	55085.29	91005.24
15	10	660.00	58644.81	58644.81	100953.52

CROSS-SECTION NO. 16 RIVER MILE= 393.16

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
16	1	595.00	8123.62	8123.62	12212.23
16	2	600.00	13641.20	13641.20	23336.60
16	3	605.00	19158.79	19158.79	34460.96
16	4	610.00	24676.37	24676.37	45585.33
16	5	615.00	30193.96	30193.96	56709.70
16	6	620.00	35711.54	35711.54	67834.06
16	7	630.00	42082.17	42082.16	86267.03
16	8	640.00	48452.77	48452.77	104700.00
16	9	650.00	51885.82	51885.82	116365.41
16	10	660.00	55318.88	55318.88	128030.83

CROSS-SECTION NO. 17 RIVER MILE= 391.06

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
17	1	595.00	2498.08	2498.08	12810.77
17	2	600.00	2720.25	2720.26	24001.08
17	3	605.00	2942.42	2942.43	35191.39
17	4	610.00	3164.60	3164.60	46381.70
17	5	615.00	3386.77	3386.77	57572.00
17	6	620.00	3608.95	3608.95	68762.31
17	7	630.00	3823.48	3823.48	87243.08
17	8	640.00	4038.01	4038.01	105723.84
17	9	650.00	4240.13	4240.13	117419.84
17	10	660.00	4442.24	4442.24	129115.85

CROSS-SECTION NO. 18 RIVER MILE= 388.95

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
18	1	595.00	4310.36	4310.36	13487.01
18	2	600.00	4564.72	4564.72	24724.75
18	3	605.00	4819.09	4819.09	35962.49
18	4	610.00	5073.45	5073.45	47200.23
18	5	615.00	5327.82	5327.81	58437.98
18	6	620.00	5582.18	5582.18	69675.72
18	7	630.00	5871.50	5871.50	88218.16
18	8	640.00	6160.83	6160.83	106760.61
18	9	650.00	6459.06	6459.07	118529.16
18	10	660.00	6757.31	6757.31	130297.72

CROSS-SECTION NO. 19 RIVER MILE= 386.85

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
19	1	595.00	5078.37	5078.37	15010.36
19	2	600.00	5322.64	5322.64	26330.47
19	3	605.00	5566.91	5566.90	37650.58
19	4	610.00	5811.16	5811.16	48970.69
19	5	615.00	6055.42	6055.43	60290.80
19	6	620.00	6299.69	6299.69	71610.91
19	7	630.00	6532.68	6532.68	90239.32
19	8	640.00	6765.66	6765.66	108867.73
19	9	650.00	6990.26	6990.26	120715.92
19	10	660.00	7214.86	7214.86	132564.12

CROSS-SECTION NO. 20 RIVER MILE= 384.74

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
20	1	595.00	4656.22	4656.22	16078.52
20	2	600.00	4789.53	4789.53	27440.91
20	3	605.00	4922.84	4922.84	38803.30
20	4	610.00	5056.15	5056.15	50165.69
20	5	615.00	5189.46	5189.46	61528.08
20	6	620.00	5322.77	5322.77	72890.47
20	7	630.00	5463.62	5463.62	91551.81
20	8	640.00	5604.47	5604.47	110213.15
20	9	650.00	5728.64	5728.64	122096.31
20	10	660.00	5852.80	5852.80	133979.48

CROSS-SECTION NO. 21 RIVER MILE= 382.64

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
21	1	595.00	9288.79	9288.79	17386.44
21	2	600.00	13516.60	13516.60	28774.58
21	3	605.00	17744.40	17744.40	40162.72
21	4	610.00	21972.21	21972.21	51550.86
21	5	615.00	26200.01	26200.01	62939.00
21	6	620.00	30427.81	30427.81	74327.14
21	7	630.00	47373.23	47373.25	93027.42
21	8	640.00	64318.68	64318.68	111727.70
21	9	650.00	73453.55	73453.52	123639.27
21	10	660.00	82588.36	82588.36	135550.83

CROSS-SECTION NO. 22 RIVER MILE= 380.54

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
22	1	595.00	9807.56	9807.56	20807.36
22	2	600.00	14174.54	14174.54	34322.09
22	3	605.00	18541.51	18541.52	47836.81
22	4	610.00	22908.50	22908.49	61351.54
22	5	615.00	27275.47	27275.47	74866.27
22	6	620.00	31642.45	31642.45	88380.99
22	7	630.00	48983.95	48983.95	115669.09
22	8	640.00	66325.46	66325.46	142957.20
22	9	650.00	75729.66	75729.66	159490.84
22	10	660.00	85133.86	85133.86	176024.47

CROSS-SECTION NO. 23 RIVER MILE= 378.44

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
23	1	595.00	12168.16	12168.16	22379.38
23	2	600.00	16630.52	16630.51	35990.71
23	3	605.00	21092.87	21092.87	49602.04
23	4	610.00	25555.22	25555.22	63213.37
23	5	615.00	30017.59	30017.58	76824.70
23	6	620.00	34479.94	34479.94	90436.02
23	7	630.00	41689.60	41689.59	117964.70
23	8	640.00	48899.23	48899.23	145493.39
23	9	650.00	51931.91	51931.93	162192.55
23	10	660.00	54964.61	54964.61	178891.70

CROSS-SECTION NO. 24 RIVER MILE= 376.34

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
24	1	595.00	13546.97	13546.97	27002.06

24	2	600.00	18150.20	18150.20	42788.53
24	3	605.00	22753.42	22753.43	58575.00
24	4	610.00	27356.65	27356.65	74361.47
24	5	615.00	31959.89	31959.88	90147.95
24	6	620.00	36563.11	36563.11	105934.41
24	7	630.00	43720.77	43720.77	136892.89
24	8	640.00	50878.44	50878.44	167851.36
24	9	650.00	53809.57	53809.57	185928.91
24	10	660.00	56740.70	56740.70	204006.45

CROSS-SECTION NO. 25 RIVER MILE= 374.23

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
25	1	595.00	14016.93	14016.93	29292.44
25	2	600.00	15187.66	15187.66	45252.81
25	3	605.00	16358.40	16358.39	61213.18
25	4	610.00	17529.14	17529.13	77173.55
25	5	615.00	18699.86	18699.86	93133.92
25	6	620.00	19870.59	19870.59	109094.29
25	7	630.00	21827.53	21827.54	140275.55
25	8	640.00	23784.49	23784.49	171456.81
25	9	650.00	25005.49	25005.49	189651.73
25	10	660.00	26226.48	26226.48	207846.66

CROSS-SECTION NO. 26 RIVER MILE= 372.13

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
26	1	595.00	14214.87	14214.87	34154.94
26	2	600.00	15462.85	15462.85	50538.84
26	3	605.00	16710.84	16710.84	66922.74
26	4	610.00	17958.84	17958.83	83306.64
26	5	615.00	19206.80	19206.81	99690.54
26	6	620.00	20454.80	20454.80	116074.44
26	7	630.00	22621.85	22621.84	148031.55
26	8	640.00	24788.89	24788.89	179988.66
26	9	650.00	26197.59	26197.60	198689.28
26	10	660.00	27606.32	27606.32	217389.91

CROSS-SECTION NO. 27 RIVER MILE= 370.03

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
27	1	595.00	8212.92	8212.92	36529.10
27	2	600.00	8848.86	8848.85	53124.81
27	3	605.00	9484.78	9484.78	69720.52
27	4	610.00	10120.70	10120.71	86316.23
27	5	615.00	10756.64	10756.64	102911.93
27	6	620.00	11392.57	11392.57	119507.64
27	7	630.00	12254.48	12254.48	151792.12

27	8	640.00	13116.38	13116.38	184076.61
27	9	650.00	13630.66	13630.66	202988.69
27	10	660.00	14144.93	14144.93	221900.78

CROSS-SECTION NO. 28 RIVER MILE= 367.92

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
28	1	595.00	7894.43	7894.43	38346.02
28	2	600.00	8369.98	8369.98	55054.44
28	3	605.00	8845.54	8845.53	71762.85
28	4	610.00	9321.09	9321.09	88471.27
28	5	615.00	9796.65	9796.64	105179.69
28	6	620.00	10272.19	10272.19	121888.10
28	7	630.00	10796.34	10796.33	154285.05
28	8	640.00	11320.48	11320.48	186681.98
28	9	650.00	11646.45	11646.42	205645.05
28	10	660.00	11972.36	11972.36	224608.11

CROSS-SECTION NO. 29 RIVER MILE= 365.82

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
29	1	595.00	7792.41	7792.41	40557.65
29	2	600.00	8240.52	8240.53	57396.04
29	3	605.00	8688.65	8688.64	74234.42
29	4	610.00	9136.77	9136.76	91072.80
29	5	615.00	9584.89	9584.88	107911.19
29	6	620.00	10033.00	10033.00	124749.57
29	7	630.00	10593.85	10593.85	157301.53
29	8	640.00	11154.69	11154.69	189853.48
29	9	650.00	11498.59	11498.61	208931.91
29	10	660.00	11842.53	11842.53	228010.31

CROSS-SECTION NO. 30 RIVER MILE= 363.72

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
30	1	595.00	12685.30	12685.30	42313.06
30	2	600.00	13823.67	13823.66	59249.61
30	3	605.00	14962.03	14962.03	76186.16
30	4	610.00	16100.39	16100.40	93122.71
30	5	615.00	17238.77	17238.77	110059.27
30	6	620.00	18377.14	18377.14	126995.81
30	7	630.00	20117.48	20117.50	159678.28
30	8	640.00	21857.87	21857.87	192360.73
30	9	650.00	23071.55	23071.56	211498.88
30	10	660.00	24285.26	24285.26	230637.03

CROSS-SECTION NO. 31 RIVER MILE= 361.62

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
31	1	595.00	12930.73	12930.73	47015.62
31	2	600.00	14024.15	14024.15	64433.54
31	3	605.00	15117.58	15117.58	81851.45
31	4	610.00	16211.02	16211.01	99269.37
31	5	615.00	17304.42	17304.44	116687.29
31	6	620.00	18397.86	18397.86	134105.20
31	7	630.00	20147.37	20147.39	167543.16
31	8	640.00	21896.92	21896.92	200981.12
31	9	650.00	23219.69	23219.68	220677.42
31	10	660.00	24542.43	24542.43	240373.72

CROSS-SECTION NO. 32 RIVER MILE= 359.51

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
32	1	595.00	11719.92	11719.92	48911.65
32	2	600.00	13006.92	13006.92	66406.18
32	3	605.00	14293.93	14293.92	83900.71
32	4	610.00	15580.94	15580.93	101395.24
32	5	615.00	16867.92	16867.93	118889.77
32	6	620.00	18154.93	18154.93	136384.30
32	7	630.00	20063.81	20063.81	169959.55
32	8	640.00	21972.70	21972.70	203534.80
32	9	650.00	23577.60	23577.60	223347.95
32	10	660.00	25182.49	25182.49	243161.11

CROSS-SECTION NO. 33 RIVER MILE= 357.41

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
33	1	595.00	24571.43	24571.43	52996.33
33	2	600.00	27806.04	27806.04	71071.01
33	3	605.00	31040.66	31040.66	89145.69
33	4	610.00	34275.27	34275.27	107220.37
33	5	615.00	37509.91	37509.89	125295.04
33	6	620.00	40744.50	40744.50	143369.72
33	7	630.00	45894.95	45894.97	177781.78
33	8	640.00	51045.43	51045.43	212193.86
33	9	650.00	55245.50	55245.50	232709.14
33	10	660.00	59445.58	59445.58	253224.42

CROSS-SECTION NO. 34 RIVER MILE= 355.31

M	I	XELEV	HWIDTH	SWIDTH	HCUMA

34	1	595.00	18867.00	18867.00	61420.74
34	2	600.00	21037.38	21037.38	80561.98
34	3	605.00	23207.74	23207.75	99703.23
34	4	610.00	25378.13	25378.12	118844.47
34	5	615.00	27548.51	27548.50	137985.72
34	6	620.00	29718.88	29718.88	157126.95
34	7	630.00	33349.40	33349.40	193324.25
34	8	640.00	36979.92	36979.92	229521.56
34	9	650.00	39948.20	39948.20	251472.94
34	10	660.00	42916.48	42916.48	273424.31

CROSS-SECTION NO. 35 RIVER MILE= 353.21

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
35	1	595.00	6899.90	6899.90	62601.35
35	2	600.00	7424.45	7424.46	81780.95
35	3	605.00	7949.01	7949.01	100960.54
35	4	610.00	8473.57	8473.57	120140.14
35	5	615.00	8998.12	8998.12	139319.73
35	6	620.00	9522.68	9522.68	158499.33
35	7	630.00	10229.09	10229.09	194759.66
35	8	640.00	10935.51	10935.51	231020.00
35	9	650.00	11541.37	11541.35	253046.41
35	10	660.00	12147.19	12147.19	275072.81

CROSS-SECTION NO. 36 RIVER MILE= 351.10

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
36	1	595.00	6507.67	6507.67	64941.78
36	2	600.00	7030.17	7030.16	84350.70
36	3	605.00	7552.67	7552.65	103759.63
36	4	610.00	8075.13	8075.15	123168.55
36	5	615.00	8597.65	8597.64	142577.48
36	6	620.00	9120.13	9120.13	161986.41
36	7	630.00	9792.83	9792.83	198544.19
36	8	640.00	10465.53	10465.53	235101.98
36	9	650.00	11007.77	11007.77	257362.53
36	10	660.00	11550.00	11550.00	279623.06

CROSS-SECTION NO. 37 RIVER MILE= 349.00

M	I	XELEV	HWIDTH	SWIDTH	HCUMA
37	1	595.00	3851.78	3851.78	65922.23
37	2	600.00	3998.33	3998.32	85368.46
37	3	605.00	4144.86	4144.85	104814.69
37	4	610.00	4291.38	4291.39	124260.91

```
37  5  615.00   4437.94   4437.92 143707.14
37  6  620.00   4584.46   4584.46 163153.36
37  7  630.00   4764.50   4764.50 199756.97
37  8  640.00   4944.54   4944.54 236360.59
37  9  650.00   5111.75   5111.78 258663.70
37 10  660.00   5279.02   5279.02 280966.81
```

ELEV.-FT. VS. TOTAL SURF. AREA-ACRES

```
I     RELEV     RCUMA    XCUMA

1    595.00  65922.23  65922.23
2    620.00 163153.36 163153.36
3    640.00 236360.59 236360.59
4    660.00 280966.81 280966.81
```

APPENDIX D – LISTING OF THE CONVEY SOURCE CODE

```
C
**********************************************************************
C        *
C        *        CONVEY - QA REV1.0 - 11/06/2008
C        *
C
**********************************************************************
C
      INTEGER P,H,HH,T,SA
      REAL K2,N1,N3,K
      DIMENSION SA(200), S(200), G(200),TOT(5),TITLE(10),SEC(2)
      DIMENSION A(9),B(9),WP(9),BL(9),N1(9),AB(9),N3(9),K(9),LS(9),UN(9)
      COMMON /PART/ BL,N1,AB,N3,S,SA,G,ENN,LS,IN,UN
      CHARACTER*40 INFILE,OUTFIL,GEOFIL
      LOGICAL GEOFLG
C
      WRITE (*,'('' CONVEY Input File:  ''\)')
      READ (*,'(A)') INFILE
      WRITE (*,'('' List File (Type "PRN" for Printer):  ''\)')
      READ (*,'(A)') OUTFIL
      OPEN (5,FILE=INFILE)
      OPEN (6,FILE=OUTFIL)
C************* Change Revision Number Here ******************
      WRITE (6,11)
   11 FORMAT (" CONVEY - QA REV1.0 - 11/06/2008"/)
C**********************************************************
      READ (5,80) IP,IB,IN,(TITLE(I),I=1,10)
      IF (IP.EQ.1) WRITE (6,81) (TITLE(I),I=1,10)
      IF (IP.NE.1) WRITE (6,82) (TITLE(I),I=1,10)
   80 FORMAT(I1,2I2,5X,10A4)
   81 FORMAT('1',//9X,10A4//' THE VALUES OF ELEVATION, AREA, R2/3, WIDTH
     1 ARE PUNCHED ON CARDS')
   82 FORMAT('1',//9X,10A4//' THE VALUES OF ELEVATION, AREA, R2/3, WIDTH
     1 ARE NOT PUNCHED ON CARDS')
      IF (IP.EQ.1) THEN
            WRITE (*,'('' Punch File:  ''\)')
            READ (*,'(A)') GEOFIL
            OPEN (7,FILE=GEOFIL)
      END IF
    1 READ(5,63,END=60)SEC,NG,NSA,WO,NSTEP,INTV,ENN
   63 FORMAT (A4,A1,2X,I3,9X,I1,F7.0,1X,I2,3X,I2,2X,F4.3)
      READ (5,77) (TOT(I),I=1,5),(LS(I),I=1,9)
   77 FORMAT (5A4,9I2)
      WRITE (6,61) SEC,NG,NSTEP
   61 FORMAT ('1',5X,'SECTION',A4,A1,10X,I3,' POINTS OF COORDINATES',
     1       10X,I2,' ELEVATIONS COMPUTED'//10X,5('SEGMENT    X      Y
     2 ')/)
      DO 4 H=1,NG,5
      HH=H+4
      READ ( 5,66) (S(I),SA(I),G(I),I=H,HH)
   66 FORMAT (5(F6.0,I2,F7.1,1X))
    4 CONTINUE
```

```
      WRITE (6,101) (SA(I),S(I),G(I),I=1,NG)
  101 FORMAT((9X,5(I5,F10.0,F7.1)))
      IF (IN.EQ.1) WRITE (6,102)
      IF (IN.NE.1) WRITE (6,104)
  102 FORMAT (/32X,'THE VALUES OF BL, AB, N1, N3  ARE:'//
     1        32X,'SEGMENT    BL     AB     N1     N3'/)
  104 FORMAT (/32X,'EACH SEGMENT HAS A CONSTANT  N'/)
      IF (IN.NE.1) GO TO 16
      H=1
      DO 7 H=1,NSA,4
      HH=H+3
      READ ( 5,68) (BL(I),AB(I),N1(I),N3(I),I=H,HH)
   68 FORMAT (4(2(F4.0,1X),2(F3.3,1X)))
    7 CONTINUE
      WRITE (6,103) (I,BL(I),AB(I),N1(I),N3(I),I=1,NSA)
  103 FORMAT (31X,I5,F10.0,F7.0,2F7.3)
      GO TO 15
   16 READ (5,69) (UN(I),I=1,NSA)
   69 FORMAT (9(F4.3))
      WRITE (6,105) (I,UN(I),I=1,NSA)
  105 FORMAT (36X,I5,F12.3)
C     ************** BEGIN CALCULATION **********************************
   15 W=WO
      DO 17 T=1,NSTEP
      IF (W.GT.G(1).AND.W.GT.G(NG)) THEN
      IUMA=0
      IUMB=0
      R23=0.0
      ELSE
      WRITE (6,65) W
   65 FORMAT (//, 5X,'H=',F7.2,27X,'AREA',16X,'K',4X,' % K ',7X,
     1        'B',7X,'WP',4X,'R',5X,'R2/3',6X,'N',5X,'RP23',3X,'NP',/)
      CALL PARTI (NG,W,NSA,SUMA,SUMB,SUMK,SUMWP,R,R23)
      IUMA=SUMA
      IUMB=SUMB
      IUMK=SUMK
      IUMWP=SUMWP
      IF(SUMWP.EQ.0.0) GO TO 500
      RP23=(SUMA/SUMWP)**0.6667
      PN=(1.486/SUMK)*SUMA*RP23
      GO TO 501
  500 RP23=0.0
      PN=0.0
  501 WRITE(6,72)(TOT(I),I=1,5),IUMA,SUMK,IUMB,IUMWP,R,R23,ENN,RP23,PN
   72 FORMAT(/,5X,'TOTAL',5A4,I14,F18.0,8X,2I9,2F7.2,F7.3,2X,2F7.3)
   31 IF (IP.EQ.1.AND.IB.EQ.1) WRITE (7,78) W,IUMA,R23,IUMB,SEC,T
      END IF
      IF (IP.EQ.1.AND.IB.EQ.0) WRITE (7,76) W,IUMA,R23,SEC,T
   76 FORMAT(F10.2,I10,F10.2,10X,30X,A4,A1,I5)
   78 FORMAT(F10.2,I10,F10.2,I10,30X,A4,A1,I5)
   17 W=WO+T*INTV
      GO TO 1
   60 STOP
      END
C     *************SUBROUTINE PARTITION*********************************
```

```
      SUBROUTINE PARTI (NG,XI,NSA,SUMA,SUMB,SUMK,SUMWP,R,R23)
      REAL A(9),B(9),WP(9),BL(9),N1(9),AB(9),N3(9),K(9),RS(9),RS23(9),
     1     S(200),G(200),UN(9),PERC(9),FN(9)
      INTEGER SA(200),H,IA(9),IK(9),IB(9),IWP(9),LS(9)
      COMMON /PART/ BL,N1,AB,N3,S,SA,G,ENN,LS,IN,UN
      REAL N,NUM
      DO 1 I=1,NSA
      A(I)=0.0
      B(I)=0.0
      K(I)=0.0
      RS(I)=0.0
      RS23(I)=0.0
    1 WP(I)=0.0
      SUMA=0.0
      SUMB=0.0
      SUMK=0.0
      SUMWP=0.0
      NUM=0.0
      PTK=0.0
      I=1
    2 IF (XI.LE.G(I).AND.XI.LE.G(I+1)) GO TO 7
      H=SA(I)
      IF (XI.LT.G(I).OR.XI.LT.G(I+1)) GO TO 3
      BASE=S(I+1)-S(I)
      B(H)=B(H)+BASE
      ALT=G(I+1)-G(I)
      A(H)=A(H)+BASE*(XI-0.5*(G(I)+G(I+1)))
      LAP=0
      IF (I.EQ.1) LAP=1
      I1=I+1
      IF (I1.EQ.NG) LAP=2
      GO TO 6
    3 IF (XI.GE.G(I).OR.XI.LE.G(I+1)) GO TO 4
      ALT=XI-G(I+1)
      BASE=ALT*(S(I+1)-S(I))/(G(I)-G(I+1))
      GO TO 5
    4 ALT=XI-G(I)
      BASE=ALT*(S(I+1)-S(I))/(G(I+1)-G(I))
    5 B(H)=B(H)+BASE
      A(H)=A(H)+0.5*ALT*BASE
    6 WP(H)=WP(H)+SQRT(BASE**2+ALT**2)
      IF (LAP.EQ.1) WP(H)=WP(H)+(XI-G(1))
      IF (LAP.EQ.2) WP(H)=WP(H)+(XI-G(NG))
      LAP = 0
    7 I=I+1
      IF (I.LT.NG) GO TO 2
      DO 13 H=1,NSA
      IF (IN.EQ.1) GO TO 88
      N=UN(H)
      GO TO 11
   88 IF (XI.GT.BL(H)) GO TO 8
      N=N1(H)
      GO TO 11
    8 IF (XI.LT.AB(H)) GO TO 9
      N=N3(H)
```

```
      GO TO 11
    9 IF (AB(H).NE.BL(H)) GO TO 10
      N=4.3E28
      GO TO 11
   10 N=N1(H)+(N3(H)-N1(H))*(XI-BL(H))/(AB(H)-BL(H))
   11 K(H)=0.0
      IF (WP(H).NE.0.0) RS(H)=A(H)/WP(H)
      RS23(H)=RS(H)**(2./3.)
      K(H)=(1.49/N)*RS23(H)*A(H)
      IA(H)=A(H)
      IK(H)=K(H)
      IB(H)=B(H)
      IWP(H)=WP(H)
      ALT=0.0
      IF (A(H).NE.0.0) ALT=K(H)**3/A(H)**2
      IF (LS(H).EQ.1) SUMK=SUMK+K(H)
      IF (LS(H).EQ.1) SUMA=SUMA+A(H)
      IF (LS(H).EQ.1) SUMB=SUMB+B(H)
      IF (LS(H).EQ.1) SUMWP=SUMWP+WP(H)
      FN(H)=N
   13 CONTINUE
      DO 15 I=1,NSA
      IF(SUMK.NE.0.0) PERC(I)=K(I)/SUMK*100.0
      IF(SUMK.EQ.0.0) PERC(I)=0.0
      WRITE (6,60) I,IA(I),K(I),PERC(I),IB(I),IWP(I),RS(I),RS23(I),
     1             FN(I)
   60 FORMAT(19X,'SEGMENT',I3,I16,F17.0,F8.0,2I9,2F7.2,F7.3)
   15 CONTINUE
      R=0.0
      R23=0.0
      IF (SUMA.NE.0.0) R23=ENN*SUMK/(SUMA*1.49)
      R=R23**(3./2.)
      RETURN
      END
```

APPENDIX E – EXAMPLE CONVEY INPUT DATA FILE

An example of a typical CONVEY input file is presented below. The following example is for the Guntersville reservoir.

```
1 1 0       w/ HECRAS Dataset
    1   26          4  525.0 36     5  .016
  TRM     424.70       1 1 1 1 1 1 1 1 1
   100 1  700.0     200 1  660.0     220 1  608.0     450 1  608.0     770 1  613.0
   810 2  608.5     875 2  587.5     890 2  585.0    1120 2  577.5    1400 2  575.0
  1600 2  576.0    1880 2  577.0    1940 2  587.5    2030 2  618.2    2860 3  618.2
  3080 3  623.0    3190 3  628.0    3300 3  640.0    3650 3  640.0    3700 3  660.0
  4030 3  680.0    4250 4  680.0    4550 4  660.0    5300 4  660.0    5500 4  680.0
  6650 4  700.0
.050.016.090.090
    2   22          3  525.0 36     5  .029
  TRM     422.60       1 1 1 1 1 1 1 1 1
  1850 1  680.0    1900 1  633.0    1930 1  628.0    1980 1  608.0    2075 1  602.0
  2100 2  585.6    2192 2  582.5    2300 2  583.1    2435 2  578.7    2520 2  577.7
  2700 2  579.8    3008 2  584.8    3135 2  583.2    3300 2  590.1    3340 2  613.0
  3440 3  618.2    3725 3  618.2    3975 3  613.4    5800 3  620.0    7300 3  640.0
  8150 3  660.0    8330 3  680.0
.090.029.067
    3   35          3  525.0 36     5  .025
TRM       420.49       1 1 1 1 1 1 1 1 1
  2050 1  680.0    3070 1  628.5    3150 1  613.2    3570 1  613.4    3600 2  586.7
  3650 2  581.0    3700 2  579.0    3900 2  579.0    4000 2  580.0    4050 2  586.0
  4110 2  614.0    4540 2  609.0    4750 2  615.5    5000 2  608.5    5490 2  608.5
  5710 2  614.8    5810 2  613.0    5886 2  591.0    6000 2  587.4    6100 2  583.0
  6190 2  580.0    6292 2  579.0    6400 2  580.5    6472 2  585.0    6760 2  585.6
  6800 2  585.6    6900 2  588.8    6960 2  614.0    8020 3  608.5    8900 3  608.8
  9500 3  614.8   10500 3  620.0   11200 3  640.0   11550 3  660.0   11800 3  680.0
.090.025.055
    4   20          3  525.0 36     5  .022
TRM       418.39       1 1 1 1 1 1 1 1 1
  2000 1  680.0    2450 1  618.5    2580 1  613.5    3930 1  608.5    4780 1  608.5
  5080 1  613.3    5240 1  613.3    5325 1  608.8    5488 2  578.2    5507 2  576.5
  5550 2  574.6    5900 2  567.7    6140 2  570.2    6250 2  576.5    6315 2  582.0
  6400 2  608.5    7230 3  613.0    7730 3  618.5    7900 3  633.2    8000 3  680.0
.100.022.100
    5   39          3  525.0 36     5  .034
TRM       416.28       1 1 1 1 1 1 1 1 1
  2010 1  680.0    2050 1  623.0    2100 1  608.5    2200 1  603.0    2370 1  603.0
  2810 1  608.4    3080 1  608.4    3100 2  585.5    3140 2  581.0    3206 2  580.8
  3272 2  579.2    3449 2  581.0    3495 2  584.0    3575 2  608.4    3650 2  614.0
  4420 2  608.4    4490 2  585.5    4560 2  583.0    4750 2  580.0    5040 2  580.0
  5275 2  580.3    5360 2  581.6    5400 2  585.5    5410 2  608.4    5670 3  608.4
  6160 3  613.0    6680 3  620.0    6820 3  618.5    7050 3  608.4    8050 3  610.0
  8100 3  680.0    8420 3  680.0    8500 3  660.0    8600 3  640.0    8750 3  620.0
  8890 3  610.0    9750 3  610.0   10400 3  620.0   10700 3  680.0
.095.034.090
    6   32          3  525.0 36     5  .025
TRM       414.19       1 1 1 1 1 1 1 1 1
    50 1  680.0     280 1  613.5     320 1  609.0     450 1  603.0     600 1  603.3
   880 1  608.7    1220 1  608.7    1270 1  604.0    1540 1  604.0    1810 1  608.7
  1860 2  584.0    1960 2  578.7    2050 2  578.5    2100 2  579.2    2160 2  580.0
  2310 2  582.0    2350 2  584.0    2400 2  609.0    3130 2  608.6    3220 2  603.5
  3375 2  604.0    3870 2  608.3    3970 2  608.3    4020 2  583.5    4100 2  582.1
  4200 2  581.8    4480 2  580.0    4780 2  582.0    5270 2  584.0    5330 2  609.0
  5380 3  618.6    6150 3  680.0
```

```
.050.025.110
    7   18          3  525.0 36    5  .025
TRM       412.08      1 1 1 1 1 1 1 1 1
    60 1  680.0    160 1  623.0    230 1  609.0    300 1  603.4    425 2  582.9
   600 2  577.9    830 2  576.6   1276 2  579.2   1400 2  578.8   1700 2  578.2
  1760 2  579.7   1775 2  581.0   1863 2  587.5   2030 2  618.2   2480 3  603.5
  3150 3  608.6   3350 3  623.5   3360 3  680.0
.085.025.085
    8   21          3  525.0 36    5  .023
TRM       409.98      1 1 1 1 1 1 1 1 1
    40 1  680.0    100 1  624.0    170 1  609.0    190 1  603.6    550 1  603.6
   620 2  584.6    710 2  579.6    793 2  575.8   1000 2  578.3   1238 2  579.4
  1500 2  577.7   1830 2  576.6   2030 2  576.7   2130 2  580.7   2180 2  604.0
  2700 3  604.0   2900 3  608.7   3000 3  608.7   3100 3  604.0   3225 3  624.0
  3460 3  680.0
.070.023.060
    9   27          3  525.0 36    5  .025
  TRM     407.88      1 1 1 1 1 1 1 1 1
    50 1  680.0    440 1  640.0    610 1  636.5   1000 1  608.8   1450 1  603.8
  1900 1  603.5   2825 1  603.8   3050 1  610.0   3300 1  603.5   3388 2  580.2
  3490 2  577.9   3550 2  577.5   3683 2  576.4   3840 2  576.8   4035 2  577.5
  4160 2  576.5   4650 2  576.3   4800 2  578.6   4860 2  603.5   4910 3  603.5
  5350 3  598.0   5470 3  599.0   5650 3  603.5   6150 3  608.5   6260 3  628.5
  6290 3  633.2   6400 3  680.0
.085.025.100
   10   30          3  525.0 36    5  .025
TRM       405.77      1 1 1 1 1 1 1 1 1 1
   100 1  680.0    350 1  620.0    600 1  606.2    680 1  603.8   1380 1  598.8
  2320 1  598.8   2750 1  603.5   3550 1  604.0   3600 2  578.0   3625 2  571.0
  3943 2  569.9   4100 2  567.0   4225 2  564.0   4350 2  564.5   4535 2  570.2
  4684 2  579.2   4760 2  604.0   4810 3  609.0   4850 3  613.5   5100 3  614.0
  5250 3  609.0   5350 3  603.5   5740 3  603.9   6150 3  600.0   6750 3  610.0
  7000 3  620.0   8160 3  620.0   8560 3  640.0   8760 3  660.0   8860 3  680.0
.065.025.065
   11   42          3  525.0 36    5  .027
TRM       403.67      1 1 1 1 1 1 1 1 1 1
    50 1  680.0    400 1  660.0    900 1  640.0    950 1  620.0   1000 1  610.0
  2000 1  600.0   2300 1  602.0   3560 1  604.0   4140 1  604.0   4300 1  598.8
  4440 1  598.8   4540 1  594.0   4600 1  594.0   4660 1  599.0   4950 1  604.0
  5050 1  604.0   5070 1  599.0   5150 1  599.0   5250 1  604.0   5290 1  604.0
  5330 2  577.0   5400 2  575.3   5750 2  574.0   5810 2  574.1   6040 2  574.8
  6141 2  573.3   6390 2  573.4   6539 2  574.2   6650 2  599.0   6760 3  603.0
  6900 3  599.0   7950 3  599.0   8460 3  604.0   8670 3  609.0   9125 3  609.0
  9330 3  614.0   9800 3  618.0   9900 3  619.0   9950 3  624.0  11100 3  640.0
 11399 3  660.0  11400 3  680.0
.110.027.110
   12   31          3  525.0 36    5  .021
TRM       401.57      1 1 1 1 1 1 1 1 1 1
   100 1  680.0    250 1  620.0    700 1  600.0   1100 1  599.5   1750 1  598.8
  1780 1  594.0   2040 1  594.0   2530 1  604.0   2600 1  604.0   2681 2  581.3
  2769 2  574.0   2794 2  572.2   3077 2  574.5   3406 2  574.6   3469 2  573.7
  3600 2  576.0   3700 2  604.0   4075 2  604.0   4275 2  599.0   4370 2  576.0
  4410 2  574.7   4600 2  573.4   4830 2  574.0   4920 2  576.0   5000 2  604.0
  5190 3  604.0   5425 3  599.0   6290 3  599.0   7025 3  594.0   8400 3  595.5
  8401 3  680.0
.075.021.075
   13   33          5  525.0 36    5  .033
TRM       399.47      1 1 1 1 1 1 1 1 1 1
   100 1  680.0    500 1  660.0   1400 1  640.0   1550 1  630.0   2050 1  630.0
  2200 1  640.0   2700 1  660.0   2900 1  680.0   2950 2  620.0   3025 2  594.0
  3540 2  594.0   4330 2  599.0   4400 2  594.0   4463 3  572.2   4550 3  571.2
```

```
  4720 3  568.4   4810 3  569.2   4940 3  571.0   5010 3  569.4   5100 3  567.4
  5293 3  564.1   5400 3  567.2   5510 3  569.0   5653 3  575.0   5850 3  599.0
  6450 4  599.0   6820 4  594.0   7820 4  594.0   7975 4  599.0   8060 5  600.0
  8320 5  620.0   8675 5  657.5   8850 5  680.0
.100.060.033.060.100
   14   31         3  525.0 36    5  .015
TRM      397.36      1 1 1 1 1 1 1 1 1 1
    10 1  660.0    200 1  640.0    350 1  620.0    600 1  600.0   1270 1  589.0
  1880 1  594.3   2210 1  594.3   2380 1  599.2   2720 1  599.2   2760 2  579.0
  2780 2  573.3   2800 2  570.3   3160 2  568.3   3270 2  567.1   3400 2  566.4
  3647 2  566.2   3920 2  573.3   4010 2  594.0   4020 2  599.0   4050 3  599.0
  4120 3  619.0   4150 3  619.0   4200 3  640.0   4300 3  660.0   4475 3  640.0
  5315 3  620.0   5675 3  610.0   8195 3  610.0   8295 3  620.0   8395 3  640.0
  8495 3  660.0
.100.015.120
   15   28         4  525.0 36    5  .029
TRM      395.26      1 1 1 1 1 1 1 1 1 1
    50 1  660.0     80 1  619.0    175 1  590.0    230 2  572.0    300 2  567.5
   350 2  567.0    500 2  561.0    700 2  558.5    945 2  558.5   1025 2  561.0
  1150 2  563.0   1250 2  589.5   1290 2  594.2   1310 3  599.5   1860 3  599.5
  1930 3  594.2   2460 3  594.2   2640 3  599.2   2660 3  604.2   3120 4  640.0
  3300 4  660.0   3475 4  640.0   4315 4  620.0   4675 4  610.0   7195 4  610.0
  7295 4  620.0   7395 4  640.0   7495 4  660.0
.100.029.050.100
   16   41         5  525.0 36    5  .020
TRM      393.16      1 1 1 1 1 1 1 1 1 1
    90 1  660.0    210 1  628.0    220 1  594.5    350 1  594.5    404 2  572.5
   438 2  566.3    540 2  565.6    754 2  565.6    900 2  569.3    950 2  569.8
   996 2  572.5   1100 2  600.0   1140 3  602.0   1340 3  593.0   1350 3  593.0
  1660 3  602.0   1900 3  594.5   1970 4  573.0   2300 4  565.0   2590 4  568.8
  2640 4  572.8   2710 4  594.3   3540 4  594.5   3700 5  619.2   3750 5  660.0
  3850 5  650.0   3970 5  640.0   4430 5  630.0   4530 5  620.0   4830 5  620.0
  5150 5  630.0   5850 5  640.0   6110 5  640.0   6200 5  630.0   6310 5  620.0
  6550 5  610.0   6900 5  610.0   7210 5  620.0   7370 5  630.0   9450 5  640.0
  9450 5  660.0
.055.020.055.020.080
   17   38         4  525.0 36    5  .024
TRM      391.06      1 1 1 1 1 1 1 1 1 1
    39 1  660.0     40 1  599.5     90 2  590.0   1090 2  590.0   1140 2  599.5
  1490 2  599.5   1567 3  589.5   1588 3  584.5   1630 3  575.4   1675 3  575.2
  1729 3  569.9   1954 3  569.1   2225 3  569.2   2270 3  569.0   2463 3  568.8
  2700 3  566.5   2960 3  572.1   3025 3  579.0   3140 3  594.5   3250 4  594.5
  3325 4  610.0   3500 4  660.0   3600 4  650.0   3720 4  640.0   4180 4  630.0
  4280 4  620.0   4580 4  620.0   4900 4  630.0   5600 4  640.0   5860 4  640.0
  5950 4  630.0   6060 4  620.0   6300 4  610.0   6650 4  610.0   6960 4  620.0
  7120 4  630.0   9200 4  640.0   9200 4  660.0
.070.040.024.120
   18   46         3  525.0 36    5  .035
TRM      388.95      1 1 1 1 1 1 1 1 1 1
    80 1  660.0    190 1  640.0    400 1  620.0    650 1  600.0    750 1  595.0
   800 2  589.5   1420 2  595.3   1730 2  588.0   1950 2  602.0   1980 2  599.5
  2060 2  567.3   2100 2  566.5   2435 2  566.1   2527 2  565.6   2700 2  565.2
  2825 2  564.8   3023 2  564.5   3178 2  564.8   3508 2  565.4   3560 2  577.4
  3583 2  584.0   3610 2  594.5   3700 2  597.0   4030 2  589.0   4260 2  584.5
  4470 2  584.5   4600 2  594.5   4710 3  599.0   4770 3  604.5   5200 3  660.0
  5300 3  650.0   5420 3  640.0   5880 3  630.0   5980 3  620.0   6280 3  620.0
  6600 3  630.0   7300 3  640.0   7560 3  640.0   7650 3  630.0   7760 3  620.0
  8000 3  610.0   8350 3  610.0   8660 3  620.0   8830 3  630.0  10900 3  640.0
 10900 3  660.0
.080.035.100
   19   45         3  525.0 36    5  .019
```

```
TRM      386.85      1 1 1 1 1 1 1 1 1
    50 1  660.0    150 1  640.0    360 1  619.0    470 1  599.5    530 1  594.5
   830 2  589.5   1075 2  589.5   1240 2  594.5   1430 2  594.5   1569 2  577.3
  1626 2  568.0   1760 2  567.2   1810 2  565.7   1927 2  562.0   2070 2  564.2
  2150 2  563.5   2225 2  559.1   2450 2  563.7   2735 2  566.9   2751 2  569.5
  2833 2  579.5   2910 2  589.4   3650 2  589.4   4125 2  584.6   4460 2  584.4
  4690 2  589.5   4730 2  594.5   4790 3  604.5   4950 3  660.0   5050 3  650.0
  5170 3  640.0   5630 3  630.0   5730 3  620.0   6030 3  620.0   6350 3  630.0
  7050 3  640.0   7310 3  640.0   7400 3  630.0   7510 3  620.0   7750 3  610.0
  8100 3  610.0   8410 3  620.0   8570 3  630.0  10650 3  640.0  10650 3  660.0
.075.019.150
   20   42         3  525.0 36    5  .016
TRM      384.74      1 1 1 1 1 1 1 1 1
    80 1  680.0    260 1  640.0    400 1  620.0    500 1  600.0    650 1  595.0
   800 2  590.0    860 2  584.5   1400 2  584.5   1870 2  589.5   2450 2  592.5
  2475 2  592.5   2525 2  584.6   2717 2  565.0   3300 2  565.5   3580 2  565.0
  3750 2  566.0   3990 2  566.5   4000 2  567.1   4050 2  572.0   4075 2  576.0
  4117 2  593.2   4800 2  583.5   4990 2  589.5   5200 3  680.0   5780 3  660.0
  5880 3  650.0   6000 3  640.0   6460 3  630.0   6560 3  620.0   6860 3  620.0
  7180 3  630.0   7880 3  640.0   8140 3  640.0   8230 3  630.0   8340 3  620.0
  8580 3  610.0   8930 3  610.0   9240 3  620.0   9400 3  630.0  11480 3  640.0
 11480 3  660.0  11480 3  680.0
.070.016.150
   21   40         3  525.0 36    5  .016
TRM      382.64      1 1 1 1 1 1 1 1 1
    50 1  660.0    200 1  640.0    450 1  620.0    600 1  600.0    750 1  594.8
   975 2  588.0   1940 2  584.5   2350 2  584.7   2600 2  589.3   2900 2  589.2
  3030 2  567.0   3100 2  563.5   3325 2  563.2   3550 2  564.2   3820 2  563.4
  4290 2  566.1   4350 2  567.0   4490 2  591.6   4625 2  589.5   4775 2  584.7
  5450 2  584.7   5920 2  589.4   5950 2  596.0   6200 3  660.0   6300 3  650.0
  6420 3  640.0   6880 3  630.0   6980 3  620.0   7280 3  620.0   7600 3  630.0
  8300 3  640.0   8560 3  640.0   8650 3  630.0   8760 3  620.0   9000 3  610.0
  9350 3  610.0   9660 3  620.0   9820 3  630.0  11900 3  640.0  11900 3  660.0
.070.016.145
   22   28         3  525.0 36    5  .016
TRM      380.54      1 1 1 1 1 1 1 1 1
    50 1  660.0    250 1  581.5    500 2  577.0   1380 2  584.5   1690 2  589.3
  2010 2  590.8   2150 2  589.0   2200 2  586.0   2250 2  576.1   2438 2  563.8
  2850 2  564.1   3113 2  561.9   3650 2  564.8   3670 2  566.0   3740 2  589.0
  3850 2  588.9   4000 2  583.6   4070 2  595.0   4090 3  604.0   4200 3  620.0
  4400 3  660.0   5700 3  640.0   6500 3  620.0   7300 3  602.0   8000 3  602.0
  8600 3  620.0   9500 3  640.0   9650 3  660.0
.070.016.100
   23   22         3  525.0 36    5  .016
TRM      378.44      1 1 1 1 1 1 1 1 1
  1250 1  660.0   1600 1  600.0   2300 1  591.0   5400 2  589.2   5580 2  588.9
  5670 2  564.0   5800 2  561.0   5990 2  559.0   6300 2  556.4   6750 2  563.1
  6790 2  570.6   7020 2  585.2   7150 2  592.0   7250 3  660.0   8550 3  640.0
  9250 3  620.0   9800 3  610.0  10250 3  602.0  10950 3  602.0  11350 3  620.0
 12400 3  640.0  12600 3  660.0
.060.016.100
   24   37         3  525.0 36    5  .018
TRM      376.34      1 1 1 1 1 1 1 1 1
    50 1  660.0    520 1  640.0   1040 1  620.0   1200 1  600.0   1400 1  600.0
  2040 1  620.0   3520 1  640.0   3900 1  640.0   4140 1  619.5   4490 1  589.5
  4750 2  579.5   4910 2  579.5   4980 2  584.5   5270 2  584.5   5530 2  559.5
  5950 2  561.3   6150 2  559.5   6300 2  559.5   6510 2  561.3   6675 2  574.3
  6690 2  580.3   6725 2  581.8   6890 2  584.5   7680 2  584.5   7700 2  579.5
  7790 2  579.5   8100 2  584.5   8300 2  584.5   8400 2  579.5   8600 2  579.5
  9080 2  584.5  10100 2  588.0  10550 2  595.0  10700 3  600.0  10900 3  620.0
 11100 3  640.0  11450 3  660.0
```

```
.070.018.070
   25   37          3  525.0 36    5  .020
TRM       374.23       1 1 1 1 1 1 1 1 1
     0 1  660.0       0 1  640.0   1100 1  620.0   1200 1  600.0   1400 1  600.0
  2100 1  620.0    3000 1  640.0   3200 1  660.0   3400 1  640.0   4300 1  600.0
  4700 2  584.5    5200 2  584.5   6330 2  579.2   7820 2  584.8   8270 2  589.5
  8360 2  584.5    8710 2  559.5   8720 2  559.8   8790 2  559.8   8930 2  558.5
  9060 2  558.5    9200 2  559.2   9360 2  560.0   9430 2  560.0   9550 2  559.8
  9720 2  560.9    9780 2  561.0   9960 2  584.0  10250 2  581.1  10620 2  584.5
 10650 2  589.0   10700 2  594.5  10760 3  594.5  10800 3  604.5  10860 3  620.0
 10950 3  640.0   10980 3  660.0
.090.020.120
   26   20          3  525.0 36    5  .020
TRM       372.13       1 1 1 1 1 1 1 1 1
     0 1  660.0     500 1  600.0   1900 1  600.0   2400 1  640.0   2900 1  600.0
  3000 2  584.3    4200 2  580.0   6080 2  581.1   6860 2  584.5   6960 2  584.5
  7050 2  559.5    7330 2  556.5   7525 2  556.2   7780 2  557.0   8260 2  560.5
  8350 2  559.5    8440 2  585.9   9520 2  587.0   9560 2  600.0  11201 3  660.0
.100.020.120
   27   36          3  525.0 36    5  .020
TRM       370.03       1 1 1 1 1 1 1 1 1
   100 1  660.0     300 1  640.0    700 1  620.0   1000 1  600.0   1125 1  595.0
  1320 2  583.0    1800 2  580.0   2820 2  574.5   3320 2  579.6   3520 2  584.4
  3570 2  584.4    3650 2  560.3   3740 2  557.0   3925 2  557.5   4000 2  560.5
  4050 2  570.4    4100 2  586.5   4475 2  586.6   4860 2  581.3   5110 2  581.0
  5380 2  586.8    5850 2  586.6   6020 2  557.5   6160 2  552.4   6210 2  551.8
  6325 2  550.0    6380 2  550.3   6520 2  550.3   6640 2  556.5   6680 2  560.0
  6730 2  575.3    7130 2  579.8   7200 2  584.3   7270 2  599.2   7330 3  604.2
  7450 3  660.0
.070.020.080
   28   38          3  525.0 36    5  .022
TRM       367.92       1 1 1 1 1 1 1 1 1
    50 1  660.0     300 1  640.0    800 1  620.0   1300 1  610.0   2300 1  600.0
  2400 2  595.0    2800 2  590.0   5220 2  584.4   5510 2  579.4   5780 2  581.8
  5940 2  581.6    6000 2  584.8   6100 2  584.4   6230 2  558.3   6330 2  555.1
  6390 2  555.7    6500 2  558.7   6590 2  563.1   6660 2  584.4   7070 2  584.4
  7190 2  579.4    7330 2  579.4   7600 2  584.4   7650 2  584.4   7720 2  559.8
  7775 2  558.0    7950 2  555.9   8025 2  556.0   8300 2  554.4   8530 2  556.4
  8670 2  584.4    9140 2  584.4   9280 2  589.0   9400 2  600.0  10070 3  600.0
 10150 3  620.0   10250 3  640.0  10450 3  660.0
.100.022.100
   29   31          3  525.0 36    5  .025
TRM       365.82       1 1 1 1 1 1 1 1 1
  -665 1  660.0    1135 1  640.0   1935 1  600.0   2200 2  585.2   4150 2  574.6
  4250 2  579.3    4600 2  579.3   4620 2  574.0   4700 2  561.3   4800 2  557.0
  5200 2  555.7    5470 2  555.7   5580 2  554.0   5850 2  553.2   5950 2  559.8
  5980 2  560.2    6070 2  579.5   7200 2  579.5   7260 2  584.5   7450 2  589.4
  7500 2  589.4    7600 2  584.5   7650 2  579.4   8125 2  579.4   8600 2  584.4
  8680 2  589.4    9160 2  594.4   9200 2  596.0   9280 3  599.0   9450 3  600.0
  9850 3  660.0
.100.025.090
   30   38          3  525.0 36    5  .025
TRM       363.72       1 1 1 1 1 1 1 1 1
    50 1  660.0     150 1  640.0    350 1  620.0    700 1  600.0   1000 1  600.0
  1270 2  590.0    1360 2  578.8   1930 2  576.0   2120 2  584.2   2270 2  584.0
  2340 2  582.0    2475 2  558.9   2770 2  550.3   3000 2  550.5   3130 2  549.7
  3190 2  551.0    3370 2  552.0   3470 2  554.0   3530 2  574.0   3550 2  583.0
  4110 2  586.0    4175 2  576.0   4250 2  567.6   4350 2  565.2   4470 2  567.1
  4500 2  577.0    4700 2  580.0   5550 2  579.0   5625 2  572.1   5770 2  571.4
  5810 2  571.5    6000 2  571.2   6350 2  573.0   6650 2  576.0   6745 2  597.0
  6850 3  620.0    9500 3  640.0   9501 3  660.0
```

```
.120.025.090
   31   36          3  525.0 36    5  .029
TRM       361.62       1 1 1 1 1 1 1 1 1
    40 1  660.0    338 1  596.0    420 2  579.5   1270 2  577.0   2475 2  579.5
  2800 2  579.0   2950 2  579.0   3100 2  578.9   3240 2  579.7   3340 2  582.2
  3375 2  582.7   3490 2  551.8   3590 2  550.0   3834 2  548.8   4100 2  545.6
  4320 2  548.2   4525 2  553.8   4560 2  556.0   4650 2  577.8   4830 2  580.3
  5200 2  576.5   5370 2  579.0   5430 2  584.0   5590 2  594.0   5690 3  599.0
  5840 3  600.0   5975 3  620.0   6460 3  639.5   6610 3  660.0   6890 3  620.0
  7090 3  610.0   8090 3  602.0   8990 3  602.0   9390 3  610.0  10390 3  620.0
 11660 3  660.0
.130.029.150
   32   56          3  525.0 36    5  .025
TRM       359.51       1 1 1 1 1 1 1 1 1
   100 1  660.0    700 1  620.0    800 1  600.0    900 1  595.2   1010 1  594.0
  1030 2  586.0   1070 2  579.0   1140 2  574.0   1160 2  569.0   1200 2  564.0
  1201 2  559.0   1260 2  559.6   1330 2  563.1   1380 2  571.7   1400 2  577.5
  1410 2  574.0   1440 2  577.3   1630 2  576.0   2425 2  575.7   2600 2  576.0
  2800 2  573.8   2910 2  574.0   3030 2  578.3   3280 2  577.2   3500 2  581.0
  3640 2  574.0   4060 2  578.2   4225 2  572.3   4250 2  555.0   4300 2  551.0
  4310 2  549.3   4490 2  548.2   4600 2  547.5   4770 2  547.1   4940 2  548.8
  5225 2  558.3   5310 2  559.8   5350 2  579.5   5580 2  576.2   5750 2  576.0
  6300 2  578.5   6650 2  583.3   7050 2  587.2   7120 2  586.7   7600 2  589.0
  8100 2  595.0   8200 3  600.0   8380 3  640.0   8520 3  660.0   8800 3  620.0
  9000 3  610.0  10000 3  602.0  10900 3  602.0  11300 3  610.0  12300 3  620.0
 13570 3  660.0
.120.025.100
   33   35          5  525.0 36    5  .026
TRM       357.41       1 1 1 1 1 1 1 1 1
    50 1  660.0    208 1  596.0    250 1  579.4   1500 1  576.3   2040 1  577.1
  2580 1  576.3   3930 1  574.2   4160 2  546.5   4220 2  542.5   4500 2  536.5
  4690 2  537.0   4760 2  538.5   4870 2  537.5   4950 2  538.5   5030 2  541.0
  5070 2  546.5   5140 2  579.0   5310 2  579.0   5330 2  574.2   5580 2  580.5
  5720 2  586.7   5790 2  589.0   5870 2  594.2   6110 3  594.2   6230 3  589.2
  6470 3  589.2   6550 3  594.2   6780 3  599.2   6990 3  599.2   7190 3  594.0
  8400 4  600.0  10850 5  604.0  11300 5  610.0  11600 5  620.0  11601 5  660.0
.026.026.060.026.070
   34   36          3  525.0 36    5  .025
TRM       355.31       1 1 1 1 1 1 1 1 1
   100 1  660.0    200 1  600.0    340 2  573.3    900 2  570.2    950 2  570.8
  1000 2  570.5   1790 2  574.2   1990 2  574.0   2160 2  547.7   2200 2  546.3
  2300 2  545.1   2370 2  545.4   3130 2  545.1   3220 2  546.8   3350 2  574.0
  3610 2  578.7   4470 2  569.0   5530 2  569.0   5900 2  574.0   6060 2  579.0
  6120 2  584.0   6170 2  595.0   6620 3  640.0   6700 3  642.0   7290 3  640.0
  8050 3  620.0   8230 3  600.0   8250 3  595.0   8280 3  580.5   8450 3  578.0
  8660 3  580.0   8700 3  594.5   8750 3  600.0   8820 3  620.0   8980 3  640.0
  9170 3  660.0
.100.025.065
   35   34          3  525.0 36    5  .025
TRM       353.21       1 1 1 1 1 1 1 1 1
   100 1  660.0    600 1  592.0    859 2  579.0   1235 2  577.7   1705 2  572.6
  2025 2  574.8   2246 2  575.3   2351 2  573.1   2443 2  566.9   2488 2  554.0
  2555 2  544.5   2563 2  543.5   2623 2  540.7   2700 2  538.6   2770 2  537.5
  2880 2  537.3   2970 2  536.9   3040 2  537.3   3125 2  538.6   3200 2  540.0
  3260 2  541.5   3450 2  544.3   3525 2  547.5   3580 2  569.0   3620 2  574.0
  3670 2  572.6   3712 2  569.0   3800 2  565.7   3974 2  564.6   4227 2  577.5
  4327 2  586.2   4500 2  589.0   4550 2  594.0   4551 3  660.0
.110.025.150
   36   34          3  525.0 36    5  .025
TRM       351.10       1 1 1 1 1 1 1 1 1
   100 1  660.0    200 1  640.0    300 1  614.0    330 1  609.0    450 1  604.0
```

```
   540 1  599.0    560 1  594.0    600 2  589.0    670 2  584.0   1310 2  579.0
  1600 2  574.0   2093 2  569.5   2350 2  568.9   2460 2  574.5   2628 2  573.2
  2680 2  554.0   2703 2  549.5   2730 2  539.1   2875 2  532.9   2950 2  531.3
  3030 2  529.7   3110 2  528.9   3200 2  530.0   3280 2  530.3   3350 2  531.9
  3400 2  533.7   3430 2  539.0   3460 2  544.0   3470 2  549.0   3500 2  559.0
  3550 2  569.0   3680 2  600.0   3700 3  620.0   3702 3  660.0
.150.025.100
   37   24         3  525.0 36    5  .025
TRM      349.00      1 1 1 1 1 1 1 1 1
   170 1  680.0    255 1  594.7    280 2  570.0    560 2  570.0   1990 2  580.0
  2190 2  579.0   2300 2  543.5   2380 2  541.0   2570 2  541.3   2650 2  540.7
  2725 2  536.0   2800 2  534.5   2980 2  535.5   3075 2  535.0   3160 2  536.0
  3500 2  544.5   3550 2  575.4   3720 2  578.0   3840 2  586.0   4010 2  586.0
  4050 2  593.0   4090 3  600.0   4150 3  620.0   4390 3  680.0
.100.025.100
```

APPENDIX F – EXAMPLE CONVEY MAIN OUTPUT DATA FILE

The main output file (written out in Unit 6) produced by running CONVEY for the example presented in Appendix E is listed below.

```
CONVEY - QA REV1.0 - 11/06/2008

1

          w/ HECRAS Dataset

 THE VALUES OF ELEVATION, AREA, R2/3, WIDTH ARE PUNCHED ON CARDS
1     SECTION    1           26 POINTS OF COORDINATES         36 ELEVATIONS COMPUTED

          SEGMENT     X      Y   SEGMENT      X      Y   SEGMENT      X      Y   SEGMENT      X      Y   SEGMENT      X      Y

             1      100.  700.0     1       200.  660.0     1       220.  608.0     1       450.  608.0     1       770.  613.0
             2      810.  608.5     2       875.  587.5     2       890.  585.0     2      1120.  577.5     2      1400.  575.0
             2     1600.  576.0     2      1880.  577.0     2      1940.  587.5     2      2030.  618.2     3      2860.  618.2
             3     3080.  623.0     3      3190.  628.0     3      3300.  640.0     3      3650.  640.0     3      3700.  660.0
             3     4030.  680.0     4      4250.  680.0     4      4550.  660.0     4      5300.  660.0     4      5500.  680.0
             4     6650.  700.0

                                  EACH SEGMENT HAS A CONSTANT  N

                                          1        0.050
                                          2        0.016
                                          3        0.090
                                          4        0.090

     H= 525.00                          AREA               K      % K        B        WP     R      R2/3       N       RP23    NP

                    SEGMENT  1             0               0.     0.         0         0   0.00     0.00  0.050
                    SEGMENT  2             0               0.     0.         0         0   0.00     0.00  0.016
                    SEGMENT  3             0               0.     0.         0         0   0.00     0.00  0.090
                    SEGMENT  4             0               0.     0.         0         0   0.00     0.00  0.090

     TOTAL  TRM     424.70                0                0.                0         0   0.00     0.00  0.016     0.000  0.000

     H= 530.00                          AREA               K      % K        B        WP     R      R2/3       N       RP23    NP

                    SEGMENT  1             0               0.     0.         0         0   0.00     0.00  0.050
                    SEGMENT  2             0               0.     0.         0         0   0.00     0.00  0.016
                    SEGMENT  3             0               0.     0.         0         0   0.00     0.00  0.090
                    SEGMENT  4             0               0.     0.         0         0   0.00     0.00  0.090
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TOTAL TRM	424.70	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		

	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	3051	664128.	100.	853	854	3.57	2.34	0.016		

	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	3051	664128.		853	854	3.57	2.34	0.016	2.337	0.016
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	7775	2774646.	100.	1035	1036	7.50	3.83	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	7775	2774646.		1035	1036	7.50	3.83	0.016	3.832	0.016
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	13082	6417542.	100.	1080	1082	12.09	5.27	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	13082	6417542.		1080	1082	12.09	5.27	0.016	5.268	0.016
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	18558	11273752.	100.	1110	1113	16.66	6.52	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	18558	11273752.		1110	1113	16.66	6.52	0.016	6.524	0.016
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	24184	17202850.	100.	1140	1145	21.11	7.64	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	24184	17202850.		1140	1145	21.11	7.64	0.016	7.639	0.016
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		

	SEGMENT 2	29961	24139544.	100.	1170	1177	25.45	8.65	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	29961	24139544.		1170	1177	25.45	8.65	0.016	8.653	0.016
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	598	24438.	0.	372	373	1.60	1.37	0.050		
	SEGMENT 2	35885	32121166.	100.	1195	1204	29.80	9.61	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	36484	32145602.		1568	1577	29.10	9.46	0.016	8.117	0.014
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3229	296295.	1.	592	597	5.40	3.08	0.050		
	SEGMENT 2	41902	41236588.	99.	1210	1219	34.35	10.57	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	45131	41532884.		1803	1817	31.06	9.88	0.016	8.512	0.014
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6197	872938.	2.	594	603	10.28	4.73	0.050		
	SEGMENT 2	49481	38365188.	98.	2050	2059	24.02	8.33	0.016		
	SEGMENT 3	74	1146.	0.	82	82	0.90	0.93	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	55753	39239268.		2727	2745	20.78	7.56	0.016	7.444	0.016
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	9175	1668895.	3.	596	608	15.08	6.10	0.050		
	SEGMENT 2	59731	52505596.	97.	2050	2059	29.00	9.44	0.016		
	SEGMENT 3	1011	41027.	0.	264	264	3.83	2.45	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	69918	54215520.		2910	2932	24.03	8.33	0.016	8.285	0.016
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	12163	2654043.	4.	598	613	19.81	7.32	0.050		
	SEGMENT 2	69981	68365840.	96.	2050	2059	33.98	10.49	0.016		
	SEGMENT 3	2581	162352.	0.	348	348	7.40	3.80	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	84725	71182232.		2996	3022	27.10	9.02	0.016	9.230	0.016
H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	15160	3809147.	4.	600	619	24.48	8.43	0.050		
	SEGMENT 2	80231	85856976.	95.	2050	2059	38.95	11.49	0.016		
	SEGMENT 3	4437	368694.	0.	394	394	11.24	5.02	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	99829	90034824.		3044	3073	30.14	9.68	0.016	10.181	0.017
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	18166	5120292.	5.	602	624	29.09	9.46	0.050		
	SEGMENT 2	90481	104906080.	95.	2050	2059	43.93	12.45	0.016		
	SEGMENT 3	6522	650903.	1.	440	440	14.80	6.03	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	115171	110677272.		3092	3125	33.15	10.32	0.016	11.076	0.017
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	21183	6576700.	5.	604	629	33.63	10.42	0.050		
	SEGMENT 2	100731	125451752.	94.	2050	2059	48.91	13.37	0.016		
	SEGMENT 3	10504	964451.	1.	802	804	13.06	5.55	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	132418	132992896.		3456	3493	35.42	10.78	0.016	11.284	0.017
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	24209	8169640.	5.	606	635	38.11	11.32	0.050		
	SEGMENT 2	110981	147441264.	94.	2050	2059	53.88	14.27	0.016		
	SEGMENT 3	14547	1641361.	1.	815	817	17.79	6.81	0.090		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70	149738	157252272.		3471	3512	37.87	11.28	0.016	12.204	0.017
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT	1	27244	9891823.	5.	608	640	42.53	12.18	0.050		
	SEGMENT	2	121231	170828624.	93.	2050	2059	58.86	15.13	0.016		
	SEGMENT	3	18654	2457162.	1.	827	831	22.44	7.96	0.090		
	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70		167130	183177616.		3485	3531	40.38	11.77	0.016	13.085	0.018
H= 660.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	30290	11737020.	6.	610	646	46.89	13.00	0.050		
	SEGMENT	2	131481	195573216.	93.	2050	2059	63.84	15.97	0.016		
	SEGMENT	3	22823	3402308.	2.	840	844	27.02	9.00	0.090		
	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.090		
TOTAL TRM	424.70		184594	210712528.		3500	3550	42.91	12.26	0.016	13.932	0.018
H= 665.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	33371	13605296.	6.	622	659	50.60	13.68	0.050		
	SEGMENT	2	141731	221638736.	92.	2050	2059	68.81	16.79	0.016		
	SEGMENT	3	27229	4290584.	2.	922	927	29.36	9.52	0.090		
	SEGMENT	4	4062	187121.	0.	875	875	4.64	2.78	0.090		
TOTAL TRM	424.70		206394	239721728.		4470	4521	44.05	12.47	0.016	12.773	0.016
H= 670.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	36515	15596299.	6.	635	672	54.26	14.33	0.050		
	SEGMENT	2	151981	248992560.	92.	2050	2059	73.79	17.59	0.016		
	SEGMENT	3	32048	5317884.	2.	1005	1009	31.73	10.02	0.090		
	SEGMENT	4	8750	614775.	0.	1000	1000	8.74	4.24	0.090		
TOTAL TRM	424.70		229294	270521504.		4690	4743	45.09	12.67	0.016	13.272	0.017
H= 675.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	39721	17709472.	6.	647	686	57.87	14.96	0.050		
	SEGMENT	2	162231	277604928.	92.	2050	2059	78.77	18.37	0.016		
	SEGMENT	3	37279	6492448.	2.	1087	1092	34.12	10.52	0.090		
	SEGMENT	4	14062	1253022.	0.	1125	1126	12.49	5.38	0.090		
TOTAL TRM	424.70		253294	303059872.		4910	4964	46.05	12.85	0.016	13.757	0.017

H= 680.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
SEGMENT	1	42990	19944478.	6.	660	699	61.43	15.57	0.050		
SEGMENT	2	172481	307448800.	91.	2050	2059	83.74	19.14	0.016		
SEGMENT	3	42923	7822292.	2.	1170	1175	36.52	11.01	0.090		
SEGMENT	4	20000	2100562.	1.	1250	1251	15.98	6.34	0.090		
TOTAL TRM	424.70	278394	337316160.		5130	5186	46.93	13.01	0.016	14.232	0.017

H= 685.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
SEGMENT	1	46321	22301154.	6.	672	713	64.94	16.16	0.050		
SEGMENT	2	182731	338499264.	91.	2050	2059	88.72	19.89	0.016		
SEGMENT	3	49873	8959413.	2.	1390	1395	35.74	10.85	0.090		
SEGMENT	4	26968	3011946.	1.	1537	1539	17.52	6.75	0.090		
TOTAL TRM	424.70	305894	372771776.		5650	5707	47.34	13.09	0.016	14.217	0.017

H= 690.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
SEGMENT	1	49715	24779494.	6.	685	726	68.40	16.73	0.050		
SEGMENT	2	192981	370733248.	90.	2050	2059	93.70	20.63	0.016		
SEGMENT	3	56823	11135525.	3.	1390	1395	40.73	11.84	0.090		
SEGMENT	4	35375	4223298.	1.	1825	1826	19.36	7.21	0.090		
TOTAL TRM	424.70	334894	410871552.		5950	6008	47.82	13.17	0.016	14.593	0.018

H= 695.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
SEGMENT	1	53171	27379614.	6.	697	740	71.83	17.28	0.050		
SEGMENT	2	203231	404129440.	90.	2050	2059	98.67	21.35	0.016		
SEGMENT	3	63773	13496833.	3.	1390	1395	45.71	12.78	0.090		
SEGMENT	4	45218	5768078.	1.	2112	2114	21.39	7.70	0.090		
TOTAL TRM	424.70	365394	450773952.		6250	6309	48.22	13.25	0.016	14.971	0.018

H= 700.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
SEGMENT	1	56690	30101738.	6.	710	753	75.21	17.82	0.050		
SEGMENT	2	213481	438667968.	89.	2050	2059	103.65	22.07	0.016		
SEGMENT	3	70723	16036327.	3.	1390	1395	50.69	13.70	0.090		
SEGMENT	4	56500	7679426.	2.	2400	2401	23.52	8.21	0.090		
TOTAL TRM	424.70	397394	492485440.		6550	6610	48.55	13.31	0.016	15.348	0.018

1 SECTION 2 22 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	1850.	680.0	1	1900.	633.0	1	1930.	628.0	1	1980.	608.0	1	2075.	602.0
2	2100.	585.6	2	2192.	582.5	2	2300.	583.1	2	2435.	578.7	2	2520.	577.7
2	2700.	579.8	2	3008.	584.8	2	3135.	583.2	2	3300.	590.1	2	3340.	613.0
3	3440.	618.2	3	3725.	618.2	3	3975.	613.4	3	5800.	620.0	3	7300.	640.0
3	8150.	660.0	3	8330.	680.0									

EACH SEGMENT HAS A CONSTANT N

1	0.090
2	0.029
3	0.067

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	0	0.		0	0	0.00	0.00	0.029	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	0	0.		0	0	0.00	0.00	0.029	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	0	0.		0	0	0.00	0.00	0.029	0.000	0.000

H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		

TOTAL TRM	422.60	0	0.		0	0	0.00	0.00	0.029	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	0	0.		0	0	0.00	0.00	0.029	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	0	0.		0	0	0.00	0.00	0.029	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	0	0.		0	0	0.00	0.00	0.029	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	0	0.		0	0	0.00	0.00	0.029	0.000	0.000
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	0	0.		0	0	0.00	0.00	0.029	0.000	0.000
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	0	0.		0	0	0.00	0.00	0.029	0.000	0.000
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	0	0.		0	0	0.00	0.00	0.029	0.000	0.000
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	405	24503.	100.	317	317	1.28	1.18	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	405	24503.		317	317	1.28	1.18	0.029	1.177	0.029
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	3584	414741.	100.	1060	1060	3.38	2.25	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	3584	414741.		1060	1060	3.38	2.25	0.029	2.252	0.029
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	14	367.	0.	6	8	1.84	1.50	0.090		
	SEGMENT 2	9267	1862680.	100.	1197	1197	7.74	3.91	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	9282	1863047.		1204	1205	7.72	3.91	0.029	3.899	0.029
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	67	2777.	0.	14	17	3.93	2.49	0.090		
	SEGMENT 2	15288	4260954.	100.	1208	1210	12.63	5.42	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		

TOTAL TRM	422.60	15356	4263731.		1222	1227	12.56	5.40	0.029	5.390	0.029
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	158	8659.	0.	21	26	6.02	3.31	0.090		
	SEGMENT 2	21353	7394905.	100.	1217	1220	17.50	6.74	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	21511	7403564.		1239	1246	17.34	6.70	0.029	6.679	0.029
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	351	15927.	0.	72	77	4.53	2.74	0.090		
	SEGMENT 2	27461	11185484.	100.	1226	1230	22.32	7.93	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	27813	11201411.		1298	1307	21.95	7.84	0.029	7.677	0.028
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	885	52501.	0.	125	130	6.78	3.58	0.090		
	SEGMENT 2	33613	15581524.	100.	1234	1240	27.10	9.02	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.067		
TOTAL TRM	422.60	34498	15634025.		1359	1370	26.20	8.82	0.029	8.589	0.028
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1541	123961.	1.	137	143	10.71	4.86	0.090		
	SEGMENT 2	39844	20205812.	99.	1278	1284	31.01	9.87	0.029		
	SEGMENT 3	420	8060.	0.	525	525	0.80	0.86	0.067		
TOTAL TRM	422.60	41806	20337834.		1941	1954	29.13	9.47	0.029	7.706	0.024
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2260	221032.	1.	150	157	14.36	5.91	0.090		
	SEGMENT 2	46445	25286094.	98.	1340	1346	34.49	10.60	0.029		
	SEGMENT 3	7585	367395.	1.	2360	2360	3.21	2.18	0.067		
TOTAL TRM	422.60	56291	25874522.		3850	3864	26.76	8.95	0.029	5.965	0.019

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3041	343242.	1.	162	170	17.80	6.82	0.090		
	SEGMENT 2	53145	31653308.	94.	1340	1346	39.47	11.59	0.029		
	SEGMENT 3	20322	1720979.	5.	2735	2735	7.43	3.81	0.067		
TOTAL TRM	422.60	76510	33717528.		4237	4252	25.12	8.58	0.029	6.867	0.023

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3892	480525.	1.	182	191	20.37	7.46	0.090		
	SEGMENT 2	59845	38579824.	90.	1340	1346	44.44	12.55	0.029		
	SEGMENT 3	34935	3896762.	9.	3110	3110	11.23	5.02	0.067		
TOTAL TRM	422.60	98673	42957112.		4632	4647	24.66	8.47	0.029	7.668	0.026

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	4867	650330.	1.	202	212	22.93	8.07	0.090		
	SEGMENT 2	66545	46043864.	86.	1340	1346	49.42	13.47	0.029		
	SEGMENT 3	51422	6879524.	13.	3485	3485	14.75	6.02	0.067		
TOTAL TRM	422.60	122835	53573716.		5027	5043	24.73	8.49	0.029	8.403	0.029

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	5891	874069.	1.	207	219	26.83	8.96	0.090		
	SEGMENT 2	73245	54026720.	82.	1340	1346	54.39	14.36	0.029		
	SEGMENT 3	69785	10690071.	16.	3860	3860	18.08	6.89	0.067		
TOTAL TRM	422.60	148922	65590860.		5407	5426	25.10	8.57	0.029	9.099	0.031

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6941	1124222.	1.	212	226	30.60	9.78	0.090		
	SEGMENT 2	79945	62512000.	79.	1340	1346	59.37	15.22	0.029		
	SEGMENT 3	89616	15649532.	20.	4072	4072	22.00	7.85	0.067		
TOTAL TRM	422.60	176504	79285760.		5625	5646	25.85	8.74	0.029	9.925	0.033

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8018	1399886.	1.	218	234	34.24	10.54	0.090		
	SEGMENT 2	86645	71485256.	76.	1340	1346	64.35	16.06	0.029		

	SEGMENT 3	110510	21451734.	23.	4285	4285	25.79	8.73	0.067		
TOTAL TRM	422.60	205175	94336880.		5843	5866	26.77	8.95	0.029	10.696	0.035
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	9122	1700388.	2.	223	241	37.78	11.26	0.090		
	SEGMENT 2	93345	80933536.	73.	1340	1346	69.32	16.88	0.029		
	SEGMENT 3	132466	28094308.	25.	4497	4497	29.45	9.54	0.067		
TOTAL TRM	422.60	234935	110728224.		6060	6085	27.78	9.17	0.029	11.424	0.036
H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	10252	2025229.	2.	228	248	41.21	11.93	0.090		
	SEGMENT 2	100045	90845200.	71.	1340	1346	74.30	17.67	0.029		
	SEGMENT 3	155485	35581232.	28.	4710	4710	33.01	10.29	0.067		
TOTAL TRM	422.60	265784	128451656.		6278	6305	28.85	9.41	0.029	12.113	0.037
H= 665.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	11409	2374038.	2.	234	256	44.56	12.57	0.090		
	SEGMENT 2	106745	101209632.	68.	1340	1346	79.27	18.45	0.029		
	SEGMENT 3	179147	44770104.	30.	4755	4755	37.67	11.24	0.067		
TOTAL TRM	422.60	297303	148353776.		6329	6358	30.27	9.71	0.029	12.981	0.039
H= 670.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	12593	2746543.	2.	239	263	47.81	13.17	0.090		
	SEGMENT 2	113445	112017144.	66.	1340	1346	84.25	19.22	0.029		
	SEGMENT 3	203035	54808096.	32.	4800	4800	42.29	12.14	0.067		
TOTAL TRM	422.60	329074	169571776.		6379	6410	31.76	10.03	0.029	13.814	0.040
H= 675.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	13803	3142550.	2.	244	270	51.00	13.75	0.090		
	SEGMENT 2	120145	123258840.	64.	1340	1346	89.22	19.97	0.029		
	SEGMENT 3	227147	65668224.	34.	4845	4846	46.87	13.00	0.067		
TOTAL TRM	422.60	361097	192069616.		6429	6463	33.31	10.35	0.029	14.616	0.041

H= 680.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	15040	3561929.	2.	250	277	54.11	14.31	0.090		
	SEGMENT 2	126845	134926496.	63.	1340	1346	94.20	20.70	0.029		
	SEGMENT 3	251485	77327904.	36.	4890	4891	51.41	13.83	0.067		
TOTAL TRM	422.60	393371	215816320.		6480	6516	34.89	10.68	0.029	15.391	0.042

1 SECTION 3 35 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	2050.	680.0	1	3070.	628.5	1	3150.	613.2	1	3570.	613.4	2	3600.	586.7
2	3650.	581.0	2	3700.	579.0	2	3900.	579.0	2	4000.	580.0	2	4050.	586.0
2	4110.	614.0	2	4540.	609.0	2	4750.	615.5	2	5000.	608.5	2	5490.	608.5
2	5710.	614.8	2	5810.	613.0	2	5886.	591.0	2	6000.	587.4	2	6100.	583.0
2	6190.	580.0	2	6292.	579.0	2	6400.	580.5	2	6472.	585.0	2	6760.	585.6
2	6800.	585.6	2	6900.	588.8	2	6960.	614.0	3	8020.	608.5	3	8900.	608.8
3	9500.	614.8	3	10500.	620.0	3	11200.	640.0	3	11550.	660.0	3	11800.	680.0

EACH SEGMENT HAS A CONSTANT N

1	0.090
2	0.025
3	0.055

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		

	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	349	16427.	100.	499	499	0.70	0.79	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	349	16427.		499	499	0.70	0.79	0.025	0.789	0.025
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	3824	623752.	100.	844	845	4.53	2.74	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	3824	623752.		844	845	4.53	2.74	0.025	2.736	0.025
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6	116.	0.	3	4	1.23	1.15	0.090		

	SEGMENT 2	10287	2268206.	100.	1443	1446	7.11	3.70	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	10294	2268322.		1447	1450	7.11	3.70	0.025	3.692	0.025
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	38	1362.	0.	9	12	3.10	2.13	0.090		
	SEGMENT 2	17733	5444370.	100.	1511	1516	11.69	5.15	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	17772	5445732.		1521	1529	11.66	5.14	0.025	5.131	0.025
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	99	4790.	0.	14	20	4.97	2.91	0.090		
	SEGMENT 2	25392	9722098.	100.	1551	1559	16.28	6.42	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	25491	9726887.		1566	1579	16.20	6.40	0.025	6.387	0.025
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	188	11218.	0.	20	27	6.84	3.60	0.090		
	SEGMENT 2	33251	14965854.	100.	1591	1602	20.75	7.55	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
TOTALTRM	420.49	33439	14977072.		1612	1629	20.60	7.51	0.025	7.495	0.025
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	304	21363.	0.	26	35	8.70	4.23	0.090		
	SEGMENT 2	42399	16051879.	100.	2634	2648	16.01	6.35	0.025		
	SEGMENT 3	1260	39821.	0.	1000	1000	1.26	1.17	0.055		
TOTALTRM	420.49	43964	16113063.		3661	3683	15.25	6.15	0.025	5.223	0.021
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1170	35640.	0.	459	469	2.49	1.84	0.090		
	SEGMENT 2	60405	20635416.	97.	4385	4401	13.72	5.73	0.025		
	SEGMENT 3	7511	590827.	3.	1518	1518	4.95	2.90	0.055		
TOTALTRM	420.49	69088	21261884.		6363	6390	11.73	5.16	0.025	4.890	0.024

H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3533	216469.	1.	485	496	7.12	3.70	0.090		
	SEGMENT 2	82496	34513360.	95.	4420	4435	18.60	7.02	0.025		
	SEGMENT 3	17508	1745470.	5.	2480	2480	7.06	3.68	0.055		
TOTALTRM	420.49	103538	36475304.		7385	7412	14.37	5.91	0.025	5.801	0.024

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6026	509017.	1.	511	522	11.52	5.10	0.090		
	SEGMENT 2	104596	51261276.	92.	4420	4435	23.58	8.22	0.025		
	SEGMENT 3	30345	4171181.	7.	2655	2655	11.43	5.07	0.055		
TOTALTRM	420.49	140968	55941472.		7586	7613	17.18	6.66	0.025	6.999	0.026

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8666	879227.	1.	559	571	15.17	6.13	0.090		
	SEGMENT 2	126696	70556136.	89.	4420	4435	28.56	9.34	0.025		
	SEGMENT 3	44058	7441410.	9.	2830	2830	15.57	6.23	0.055		
TOTALTRM	420.49	179421	78876768.		7809	7837	20.03	7.38	0.025	8.063	0.027

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	11712	1305507.	1.	658	670	17.47	6.73	0.090		
	SEGMENT 2	148796	92239016.	88.	4420	4435	33.54	10.40	0.025		
	SEGMENT 3	58645	11515793.	11.	3005	3005	19.51	7.25	0.055		
TOTALTRM	420.49	219155	105060320.		8083	8111	22.81	8.04	0.025	9.005	0.028

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	15254	1849502.	1.	757	769	19.82	7.32	0.090		
	SEGMENT 2	170896	116184600.	86.	4420	4435	38.53	11.41	0.025		
	SEGMENT 3	74108	16378880.	12.	3180	3180	23.30	8.16	0.055		
TOTALTRM	420.49	260258	134412992.		8357	8385	25.51	8.67	0.025	9.877	0.028

H= 645.00	AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	19290	2522886.	2.	856	868	22.20	7.90	0.090		
	SEGMENT 2	192996	142290384.	85.	4420	4435	43.51	12.37	0.025		
	SEGMENT 3	90226	22328714.	13.	3267	3267	27.61	9.13	0.055		
TOTALTRM	420.49	302514	167141984.		8544	8572	28.23	9.27	0.025	10.760	0.029
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	23822	3336828.	2.	955	967	24.61	8.46	0.090		
	SEGMENT 2	215096	170470256.	84.	4420	4435	48.49	13.30	0.025		
	SEGMENT 3	106783	29049982.	14.	3355	3355	31.82	10.04	0.055		
TOTALTRM	420.49	345701	202857072.		8730	8759	30.89	9.85	0.025	11.593	0.029
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	28848	4302073.	2.	1054	1067	27.03	9.01	0.090		
	SEGMENT 2	237196	200650416.	83.	4420	4435	53.47	14.19	0.025		
	SEGMENT 3	123776	36523792.	15.	3442	3443	35.95	10.89	0.055		
TOTALTRM	420.49	389822	241476288.		8917	8946	33.51	10.39	0.025	12.384	0.030
H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	34370	5428994.	2.	1153	1166	29.47	9.54	0.090		
	SEGMENT 2	259296	232766608.	82.	4420	4435	58.45	15.06	0.025		
	SEGMENT 3	141208	44736868.	16.	3530	3530	39.99	11.69	0.055		
TOTALTRM	420.49	434875	282932480.		9103	9133	36.07	10.92	0.025	13.139	0.030
H= 665.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	40387	6727640.	2.	1252	1265	31.92	10.06	0.090		
	SEGMENT 2	281396	266762016.	81.	4420	4435	63.44	15.91	0.025		
	SEGMENT 3	159014	53892784.	16.	3592	3593	44.25	12.51	0.055		
TOTALTRM	420.49	480798	327382464.		9265	9294	38.62	11.42	0.025	13.885	0.030
H= 670.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	46899	8207768.	2.	1351	1364	34.37	10.57	0.090		
	SEGMENT 2	303496	302586080.	81.	4420	4435	68.42	16.73	0.025		
	SEGMENT 3	177133	63771744.	17.	3655	3656	48.45	13.29	0.055		

TOTALTRM	420.49	527529	374565600.		9426	9456	41.12	11.91	0.025	14.601	0.031

H= 675.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	53907	9878880.	2.	1450	1463	36.83	11.07	0.090		
	SEGMENT 2	325596	340193184.	80.	4420	4435	73.40	17.53	0.025		
	SEGMENT 3	195564	74362744.	18.	3717	3718	52.59	14.04	0.055		
TOTALTRM	420.49	575068	424434816.		9588	9618	43.58	12.38	0.025	15.292	0.031

H= 680.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	61409	11750246.	2.	1550	1562	39.29	11.56	0.090		
	SEGMENT 2	347696	379542048.	80.	4420	4435	78.38	18.32	0.025		
	SEGMENT 3	214308	85657032.	18.	3780	3781	56.67	14.75	0.055		
TOTALTRM	420.49	623414	476949344.		9750	9780	45.99	12.84	0.025	15.959	0.031

1 SECTION 4 20 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	2000.	680.0	1	2450.	618.5	1	2580.	613.5	1	3930.	608.5	1	4780.	608.5
1	5080.	613.3	1	5240.	613.3	1	5325.	608.8	2	5488.	578.2	2	5507.	576.5
2	5550.	574.6	2	5900.	567.7	2	6140.	570.2	2	6250.	576.5	2	6315.	582.0
2	6400.	608.5	3	7230.	613.0	3	7730.	618.5	3	7900.	633.2	3	8000.	680.0

EACH SEGMENT HAS A CONSTANT N

1	0.100
2	0.022
3	0.100

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	0	0.		0	0	0.00	0.00	0.022	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		

TOTALTRM	418.39	0	0.		0	0	0.00	0.00	0.022	0.000	0.000
H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	0	0.		0	0	0.00	0.00	0.022	0.000	0.000
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	0	0.		0	0	0.00	0.00	0.022	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	0	0.		0	0	0.00	0.00	0.022	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	0	0.		0	0	0.00	0.00	0.022	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	0	0.		0	0	0.00	0.00	0.022	0.000	0.000

H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	0	0.		0	0	0.00	0.00	0.022	0.000	0.000

H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	0	0.		0	0	0.00	0.00	0.022	0.000	0.000

H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	388	28848.	100.	337	337	1.15	1.10	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	388	28848.		337	337	1.15	1.10	0.022	1.098	0.022

H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	3002	545639.	100.	682	683	4.40	2.68	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	3002	545639.		682	683	4.40	2.68	0.022	2.683	0.022

H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8	118.	0.	9	9	0.88	0.92	0.100		
	SEGMENT 2	6795	1909665.	100.	803	803	8.45	4.15	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	6803	1909784.		812	813	8.44	4.14	0.022	4.120	0.022

H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	123	4102.	0.	36	36	3.34	2.24	0.100		
	SEGMENT 2	10920	4097044.	100.	836	837	13.04	5.54	0.022		

	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	11044	4101146.		872	874	12.84	5.48	0.022	5.423	0.022
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	370	17835.	0.	62	63	5.80	3.23	0.100		
	SEGMENT 2	15144	6972111.	100.	852	854	17.72	6.80	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	15514	6989946.		915	918	17.16	6.65	0.022	6.584	0.022
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	751	45752.	0.	89	91	8.26	4.08	0.100		
	SEGMENT 2	19447	10441461.	100.	868	871	22.32	7.93	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	20199	10487213.		958	962	21.22	7.67	0.022	7.610	0.022
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1265	91651.	1.	116	118	10.71	4.86	0.100		
	SEGMENT 2	23831	14466570.	99.	884	888	26.83	8.96	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	25096	14558221.		1000	1006	25.07	8.56	0.022	8.537	0.022
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1912	158958.	1.	142	145	13.17	5.58	0.100		
	SEGMENT 2	28294	19020104.	99.	900	904	31.27	9.93	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	30207	19179062.		1043	1050	28.70	9.37	0.022	9.389	0.022
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	4352	129774.	1.	1534	1537	2.83	2.00	0.100		
	SEGMENT 2	33042	20482620.	99.	1188	1193	27.69	9.15	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	418.39	37394	20612394.		2723	2730	23.22	8.14	0.022	5.724	0.015

H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	16296	758796.	3.	2947	2950	5.52	3.12	0.100		
	SEGMENT 2	40922	22693354.	97.	1742	1746	23.43	8.19	0.022		
	SEGMENT 3	181	2709.	0.	181	181	1.00	1.00	0.100		
TOTALTRM	418.39	57401	23454858.		4870	4878	14.82	6.03	0.022	5.174	0.019

H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	31335	2205496.	7.	3048	3052	10.27	4.72	0.100		
	SEGMENT 2	49632	31301952.	93.	1742	1746	28.42	9.31	0.022		
	SEGMENT 3	2138	82028.	0.	517	517	4.13	2.57	0.100		
TOTALTRM	418.39	83106	33589476.		5308	5316	14.58	5.97	0.022	6.253	0.023

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	46671	4249994.	9.	3085	3089	15.11	6.11	0.100		
	SEGMENT 2	58342	40982880.	90.	1742	1746	33.40	10.37	0.022		
	SEGMENT 3	4869	301262.	1.	575	575	8.46	4.15	0.100		
TOTALTRM	418.39	109883	45534132.		5402	5411	15.13	6.12	0.022	7.444	0.027

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	62191	6803573.	12.	3122	3126	19.89	7.34	0.100		
	SEGMENT 2	67052	51679552.	87.	1742	1746	38.39	11.38	0.022		
	SEGMENT 3	7889	631609.	1.	632	633	12.45	5.37	0.100		
TOTALTRM	418.39	137133	59114732.		5497	5506	16.06	6.36	0.022	8.529	0.029

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	77893	9824041.	13.	3158	3162	24.63	8.46	0.100		
	SEGMENT 2	75762	63345732.	85.	1742	1746	43.38	12.35	0.022		
	SEGMENT 3	11183	1083132.	1.	673	674	16.57	6.50	0.100		
TOTALTRM	418.39	164839	74252896.		5574	5584	17.15	6.65	0.022	9.552	0.032

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	93778	13282129.	15.	3195	3199	29.31	9.51	0.100		

	SEGMENT 2	84472	75942624.	84.	1742	1746	48.36	13.27	0.022		
	SEGMENT 3	14579	1665698.	2.	684	686	21.23	7.67	0.100		
TOTALTRM	418.39	192831	90890448.		5621	5633	18.36	6.96	0.022	10.544	0.033
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	109846	17156068.	16.	3231	3236	33.94	10.48	0.100		
	SEGMENT 2	93182	89436976.	82.	1742	1746	53.35	14.17	0.022		
	SEGMENT 3	18029	2346230.	2.	695	698	25.81	8.73	0.100		
TOTALTRM	418.39	221058	108939280.		5669	5681	19.63	7.28	0.022	11.483	0.035
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	126097	21428932.	17.	3268	3273	38.52	11.41	0.100		
	SEGMENT 2	101892	103799856.	81.	1742	1746	58.34	15.04	0.022		
	SEGMENT 3	21532	3119134.	2.	705	710	30.31	9.72	0.100		
TOTALTRM	418.39	249522	128347920.		5716	5730	20.93	7.59	0.022	12.378	0.036
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	142531	26087152.	17.	3305	3310	43.05	12.28	0.100		
	SEGMENT 2	110602	119005720.	80.	1742	1746	63.32	15.89	0.022		
	SEGMENT 3	25088	3980219.	3.	716	722	34.74	10.65	0.100		
TOTALTRM	418.39	278222	149073104.		5763	5779	22.25	7.91	0.022	13.235	0.037
H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	159148	31119606.	18.	3341	3347	47.54	13.12	0.100		
	SEGMENT 2	119312	135031792.	79.	1742	1746	68.31	16.71	0.022		
	SEGMENT 3	28697	4926226.	3.	727	733	39.10	11.52	0.100		
TOTALTRM	418.39	307158	171077616.		5810	5828	23.58	8.22	0.022	14.059	0.038
H= 665.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	175947	36517024.	19.	3378	3384	51.99	13.93	0.100		
	SEGMENT 2	128022	151857600.	78.	1742	1746	73.30	17.51	0.022		
	SEGMENT 3	32360	5954556.	3.	737	745	43.40	12.35	0.100		
TOTALTRM	418.39	336331	194329184.		5858	5876	24.92	8.53	0.022	14.853	0.038

H= 670.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	192930	42271596.	19.	3414	3421	56.39	14.70	0.100		
	SEGMENT	2	136732	169464544.	77.	1742	1746	78.28	18.30	0.022		
	SEGMENT	3	36077	7063102.	3.	748	757	47.63	13.14	0.100		
TOTALTRM	418.39		365740	218799248.		5905	5925	26.25	8.83	0.022	15.620	0.039

H= 675.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	210096	48376664.	20.	3451	3458	60.75	15.45	0.100		
	SEGMENT	2	145442	187835712.	77.	1742	1746	83.27	19.07	0.022		
	SEGMENT	3	39847	8250125.	3.	759	769	51.80	13.90	0.100		
TOTALTRM	418.39		395386	244462496.		5952	5974	27.58	9.13	0.022	16.364	0.039

H= 680.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	227444	54826484.	20.	3488	3495	65.07	16.18	0.100		
	SEGMENT	2	154152	206955440.	76.	1742	1746	88.26	19.82	0.022		
	SEGMENT	3	43670	9514189.	4.	770	781	55.91	14.62	0.100		
TOTALTRM	418.39		425267	271296096.		6000	6023	28.91	9.42	0.022	17.085	0.040

1 SECTION 5 39 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	2010.	680.0	1	2050.	623.0	1	2100.	608.5	1	2200.	603.0	1	2370.	603.0
1	2810.	608.4	1	3080.	608.4	2	3100.	585.5	2	3140.	581.0	2	3206.	580.8
2	3272.	579.2	2	3449.	581.0	2	3495.	584.0	2	3575.	608.4	2	3650.	614.0
2	4420.	608.4	2	4490.	585.5	2	4560.	583.0	2	4750.	580.0	2	5040.	580.0
2	5275.	580.3	2	5360.	581.6	2	5400.	585.5	2	5410.	608.4	3	5670.	608.4
3	6160.	613.0	3	6680.	620.0	3	6820.	618.5	3	7050.	608.4	3	8050.	610.0
3	8100.	680.0	3	8420.	680.0	3	8500.	660.0	3	8600.	640.0	3	8750.	620.0
3	8890.	610.0	3	9750.	610.0	3	10400.	620.0	3	10700.	680.0			

EACH SEGMENT HAS A CONSTANT N

1	0.095
2	0.034
3	0.090

H= 525.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.095		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.034		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28	0	0.		0	0	0.00	0.00	0.034	0.000	0.000
H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.095		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.034		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28	0	0.		0	0	0.00	0.00	0.034	0.000	0.000
H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.095		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.034		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28	0	0.		0	0	0.00	0.00	0.034	0.000	0.000
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.095		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.034		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28	0	0.		0	0	0.00	0.00	0.034	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.095		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.034		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28	0	0.		0	0	0.00	0.00	0.034	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.095		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.034		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		

TOTALTRM	416.28	0	0.		0	0	0.00	0.00	0.034	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.095		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.034		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28	0	0.		0	0	0.00	0.00	0.034	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.095		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.034		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28	0	0.		0	0	0.00	0.00	0.034	0.000	0.000
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.095		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.034		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28	0	0.		0	0	0.00	0.00	0.034	0.000	0.000
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.095		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.034		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28	0	0.		0	0	0.00	0.00	0.034	0.000	0.000
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.095		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.034		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28	0	0.		0	0	0.00	0.00	0.034	0.000	0.000
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.095		
	SEGMENT	2	44	1063.	100.	111	111	0.40	0.54	0.034		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28		44	1063.		111	111	0.40	0.54	0.034	0.543	0.034
H= 585.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.095		
	SEGMENT	2	5369	610409.	100.	1284	1285	4.18	2.59	0.034		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28		5369	610409.		1284	1285	4.18	2.59	0.034	2.594	0.034
H= 590.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	8	180.	0.	3	5	1.48	1.30	0.095		
	SEGMENT	2	11981	2255798.	100.	1340	1345	8.90	4.30	0.034		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28		11990	2255978.		1344	1351	8.90	4.29	0.034	4.286	0.034
H= 595.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	39	1321.	0.	8	12	3.12	2.14	0.095		
	SEGMENT	2	18768	4676689.	100.	1374	1384	13.56	5.69	0.034		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28		18807	4678010.		1382	1396	13.52	5.68	0.034	5.660	0.034
H= 600.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	91	4080.	0.	12	19	4.77	2.83	0.095		
	SEGMENT	2	25724	7765233.	100.	1408	1422	18.08	6.89	0.034		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	416.28		25816	7769313.		1420	1442	18.00	6.87	0.034	6.844	0.034
H= 605.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	705	16276.	0.	386	395	1.78	1.47	0.095		
	SEGMENT	2	32849	11464782.	100.	1441	1461	22.47	7.96	0.034		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		

TOTALTRM	416.28	33554	11481058.		1828	1856	21.82	7.81	0.034	6.887	0.030
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	4203	169938.	1.	1005	1015	4.14	2.58	0.095		
	SEGMENT 2	40744	13366135.	99.	1966	1989	20.48	7.49	0.034		
	SEGMENT 3	965	13774.	0.	1206	1206	0.80	0.86	0.090		
TOTALTRM	416.28	45913	13549847.		4178	4212	17.48	6.73	0.034	4.916	0.025
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	9272	627804.	3.	1022	1033	8.97	4.32	0.095		
	SEGMENT 2	52387	17029414.	93.	2570	2593	20.20	7.42	0.034		
	SEGMENT 3	13847	628562.	3.	3047	3050	4.54	2.74	0.090		
TOTALTRM	416.28	75508	18285780.		6639	6677	12.99	5.53	0.034	5.038	0.031
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	14428	1296671.	5.	1039	1051	13.72	5.73	0.095		
	SEGMENT 2	65237	24546114.	88.	2570	2593	25.16	8.59	0.034		
	SEGMENT 3	31374	2035920.	7.	4037	4043	7.76	3.92	0.090		
TOTALTRM	416.28	111039	27878706.		7646	7688	13.71	5.73	0.034	5.931	0.035
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	19663	2154371.	5.	1051	1065	18.46	6.99	0.095		
	SEGMENT 2	78087	33122516.	83.	2570	2593	30.11	9.68	0.034		
	SEGMENT 3	51725	4631364.	12.	4103	4112	12.58	5.41	0.090		
TOTALTRM	416.28	149476	39908252.		7724	7770	15.04	6.09	0.034	7.180	0.040
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	24929	3187206.	6.	1054	1071	23.27	8.15	0.095		
	SEGMENT 2	90937	42696536.	79.	2570	2593	35.07	10.71	0.034		
	SEGMENT 3	72406	8022648.	15.	4169	4181	17.31	6.69	0.090		
TOTALTRM	416.28	188273	53906388.		7794	7846	16.70	6.53	0.034	8.320	0.043

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	30213	4374141.	6.	1058	1077	28.04	9.23	0.095		
	SEGMENT 2	103787	53218524.	76.	2570	2593	40.02	11.70	0.034		
	SEGMENT 3	93417	12133063.	17.	4235	4251	21.97	7.85	0.090		
TOTALTRM	416.28	227418	69725728.		7863	7921	18.51	7.00	0.034	9.377	0.045

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	35513	5705094.	7.	1061	1083	32.78	10.24	0.095		
	SEGMENT 2	116637	64647464.	74.	2570	2593	44.98	12.65	0.034		
	SEGMENT 3	114759	16912614.	19.	4301	4320	26.56	8.90	0.090		
TOTALTRM	416.28	266911	87265176.		7933	7997	20.38	7.46	0.034	10.367	0.047

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	40832	7172070.	7.	1065	1089	37.48	11.20	0.095		
	SEGMENT 2	129487	76948640.	72.	2570	2593	49.93	13.56	0.034		
	SEGMENT 3	136400	22359024.	21.	4355	4378	31.16	9.90	0.090		
TOTALTRM	416.28	306720	106479736.		7990	8060	22.30	7.92	0.034	11.314	0.048

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	46168	8768500.	7.	1068	1095	42.14	12.11	0.095		
	SEGMENT 2	142337	90092136.	71.	2570	2593	54.89	14.44	0.034		
	SEGMENT 3	158309	28412966.	22.	4408	4435	35.69	10.84	0.090		
TOTALTRM	416.28	346815	127273600.		8047	8123	24.23	8.37	0.034	12.216	0.049

H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	51521	10488845.	7.	1072	1101	46.76	12.98	0.095		
	SEGMENT 2	155187	104051720.	70.	2570	2593	59.85	15.30	0.034		
	SEGMENT 3	180486	35051432.	23.	4462	4492	40.18	11.73	0.090		
TOTALTRM	416.28	387195	149591984.		8104	8187	26.18	8.82	0.034	13.079	0.050

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	56892	12328344.	7.	1075	1107	51.35	13.82	0.095		
	SEGMENT 2	168037	118804192.	69.	2570	2593	64.80	16.13	0.034		

	SEGMENT 3	202931	42255824.	24.	4515	4549	44.61	12.58	0.090		
TOTALTRM	416.28	427861	173388352.		8161	8250	28.12	9.25	0.034	13.908	0.051
H= 665.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	62281	14282834.	7.	1079	1113	55.91	14.62	0.095		
	SEGMENT 2	180887	134328768.	68.	2570	2593	69.76	16.95	0.034		
	SEGMENT 3	225631	50041520.	25.	4564	4601	49.03	13.40	0.090		
TOTALTRM	416.28	468800	198653120.		8213	8308	30.07	9.67	0.034	14.713	0.052
H= 670.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	67687	16348644.	7.	1082	1120	60.43	15.40	0.095		
	SEGMENT 2	193737	150606704.	67.	2570	2593	74.71	17.74	0.034		
	SEGMENT 3	248574	58365420.	26.	4612	4653	53.41	14.18	0.090		
TOTALTRM	416.28	509999	225320768.		8265	8367	32.01	10.08	0.034	15.490	0.052
H= 675.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	73111	18522484.	7.	1086	1126	64.92	16.15	0.095		
	SEGMENT 2	206587	167620928.	66.	2570	2593	79.67	18.51	0.034		
	SEGMENT 3	271759	67215848.	27.	4661	4706	57.74	14.94	0.090		
TOTALTRM	416.28	551458	253359264.		8317	8425	33.94	10.48	0.034	16.243	0.053
H= 680.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	78552	20801400.	7.	1090	1132	69.38	16.88	0.095		
	SEGMENT 2	219437	185355840.	66.	2570	2593	84.62	19.27	0.034		
	SEGMENT 3	295188	76582832.	27.	4710	4758	62.03	15.67	0.090		
TOTALTRM	416.28	593178	282740064.		8370	8483	35.87	10.88	0.034	16.974	0.053

1 SECTION 6 32 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	50.	680.0	1	280.	613.5	1	320.	609.0	1	450.	603.0	1	600.	603.3
1	880.	608.7	1	1220.	608.7	1	1270.	604.0	1	1540.	604.0	1	1810.	608.7
2	1860.	584.0	2	1960.	578.7	2	2050.	578.5	2	2100.	579.2	2	2160.	580.0
2	2310.	582.0	2	2350.	584.0	2	2400.	609.0	2	3130.	608.6	2	3220.	603.5
2	3375.	604.0	2	3870.	608.3	2	3970.	608.3	2	4020.	583.5	2	4100.	582.1
2	4200.	581.8	2	4480.	580.0	2	4780.	582.0	2	5270.	584.0	2	5330.	609.0

```
          3     5380.  618.6    3     6150.  680.0

                          EACH SEGMENT HAS A CONSTANT  N

                                  1       0.050
                                  2       0.025
                                  3       0.110

H= 525.00                     AREA          K     % K      B     WP    R    R2/3     N     RP23    NP

              SEGMENT  1         0         0.     0.       0      0  0.00   0.00 0.050
              SEGMENT  2         0         0.     0.       0      0  0.00   0.00 0.025
              SEGMENT  3         0         0.     0.       0      0  0.00   0.00 0.110

TOTALTRM      414.19            0          0.              0      0  0.00   0.00 0.025   0.000  0.000

H= 530.00                     AREA          K     % K      B     WP    R    R2/3     N     RP23    NP

              SEGMENT  1         0         0.     0.       0      0  0.00   0.00 0.050
              SEGMENT  2         0         0.     0.       0      0  0.00   0.00 0.025
              SEGMENT  3         0         0.     0.       0      0  0.00   0.00 0.110

TOTALTRM      414.19            0          0.              0      0  0.00   0.00 0.025   0.000  0.000

H= 535.00                     AREA          K     % K      B     WP    R    R2/3     N     RP23    NP

              SEGMENT  1         0         0.     0.       0      0  0.00   0.00 0.050
              SEGMENT  2         0         0.     0.       0      0  0.00   0.00 0.025
              SEGMENT  3         0         0.     0.       0      0  0.00   0.00 0.110

TOTALTRM      414.19            0          0.              0      0  0.00   0.00 0.025   0.000  0.000

H= 540.00                     AREA          K     % K      B     WP    R    R2/3     N     RP23    NP

              SEGMENT  1         0         0.     0.       0      0  0.00   0.00 0.050
              SEGMENT  2         0         0.     0.       0      0  0.00   0.00 0.025
              SEGMENT  3         0         0.     0.       0      0  0.00   0.00 0.110

TOTALTRM      414.19            0          0.              0      0  0.00   0.00 0.025   0.000  0.000

H= 545.00                     AREA          K     % K      B     WP    R    R2/3     N     RP23    NP

              SEGMENT  1         0         0.     0.       0      0  0.00   0.00 0.050
              SEGMENT  2         0         0.     0.       0      0  0.00   0.00 0.025
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	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 2	223	13272.	100.	224	224	0.99	1.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	223	13272.		224	224	0.99	1.00	0.025	0.997	0.025

H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1	18.	0.	2	2	0.45	0.59	0.050		
	SEGMENT 2	6065	828534.	100.	1747	1748	3.47	2.29	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	6066	828552.		1749	1750	3.47	2.29	0.025	2.290	0.025

H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	36	2100.	0.	12	13	2.69	1.93	0.050		
	SEGMENT 2	14883	3648937.	100.	1779	1783	8.34	4.11	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	14919	3651037.		1791	1797	8.32	4.11	0.025	4.100	0.025

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	122	10573.	0.	22	24	4.93	2.90	0.050		
	SEGMENT 2	23861	7909003.	100.	1811	1819	13.12	5.56	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	23983	7919576.		1833	1844	13.04	5.54	0.025	5.531	0.025

H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	259	28718.	0.	32	36	7.17	3.72	0.050		

	SEGMENT 2	32999	13403761.	100.	1843	1854	17.79	6.82	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	33258	13432478.		1876	1890	17.64	6.78	0.025	6.764	0.025
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1146	48996.	0.	662	667	1.72	1.43	0.050		
	SEGMENT 2	42568	18359338.	100.	2172	2186	19.47	7.24	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	43715	18408336.		2834	2853	18.78	7.07	0.025	6.168	0.022
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6584	513527.	2.	1548	1555	4.23	2.62	0.050		
	SEGMENT 2	56030	21242104.	98.	3475	3492	16.04	6.36	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	62614	21755632.		5024	5047	14.08	5.83	0.025	5.359	0.023
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	14433	1870321.	5.	1585	1591	9.07	4.35	0.050		
	SEGMENT 2	73471	33202240.	95.	3501	3518	20.88	7.58	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	414.19	87905	35072560.		5086	5110	17.32	6.69	0.025	6.664	0.025
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	22403	3862488.	8.	1602	1609	13.92	5.79	0.050		
	SEGMENT 2	91037	47290316.	92.	3520	3538	25.73	8.72	0.025		
	SEGMENT 3	12	131.	0.	17	17	0.70	0.79	0.110		
TOTALTRM	414.19	113452	51152936.		5140	5165	20.81	7.56	0.025	7.844	0.026
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	30458	6397165.	9.	1619	1627	18.71	7.05	0.050		
	SEGMENT 2	108637	63489892.	91.	3520	3538	30.71	9.81	0.025		
	SEGMENT 3	256	7539.	0.	80	80	3.19	2.17	0.110		
TOTALTRM	414.19	139353	69894592.		5220	5246	24.41	8.42	0.025	8.903	0.026

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	38600	9424938.	10.	1637	1645	23.45	8.19	0.050		
	SEGMENT 2	126237	81542800.	90.	3520	3538	35.68	10.84	0.025		
	SEGMENT 3	814	35148.	0.	142	143	5.68	3.18	0.110		
TOTALTRM	414.19	165653	91002880.		5300	5327	27.98	9.22	0.025	9.890	0.027

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	46829	12912164.	11.	1654	1663	28.14	9.25	0.050		
	SEGMENT 2	143837	101358088.	89.	3520	3538	40.65	11.82	0.025		
	SEGMENT 3	1686	92697.	0.	205	206	8.17	4.06	0.110		
TOTALTRM	414.19	192353	114362952.		5380	5408	31.51	9.98	0.025	10.816	0.027

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	55144	16834054.	12.	1671	1681	32.79	10.24	0.050		
	SEGMENT 2	161437	122860496.	88.	3520	3538	45.63	12.77	0.025		
	SEGMENT 3	2871	188475.	0.	268	269	10.67	4.85	0.110		
TOTALTRM	414.19	219453	139883024.		5460	5489	34.98	10.69	0.025	11.694	0.027

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	63545	21171412.	13.	1688	1699	37.38	11.18	0.050		
	SEGMENT 2	179037	145986112.	87.	3520	3538	50.60	13.68	0.025		
	SEGMENT 3	4370	329934.	0.	331	332	13.16	5.57	0.110		
TOTALTRM	414.19	246953	167487472.		5540	5570	38.39	11.38	0.025	12.528	0.027

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	72033	25908868.	13.	1706	1717	41.93	12.07	0.050		
	SEGMENT 2	196637	170679824.	87.	3520	3538	55.58	14.56	0.025		
	SEGMENT 3	6182	523956.	0.	393	395	15.65	6.26	0.110		
TOTALTRM	414.19	274853	197112640.		5620	5650	41.74	12.03	0.025	13.326	0.028

H= 655.00	AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	80608	31033830.	14.	1723	1735	46.44	12.92	0.050		
	SEGMENT 2	214237	196893216.	86.	3520	3538	60.55	15.42	0.025		
	SEGMENT 3	8307	776997.	0.	456	457	18.14	6.90	0.110		
TOTALTRM	414.19	303153	228704032.		5700	5731	45.03	12.66	0.025	14.092	0.028

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	89269	36535760.	14.	1740	1753	50.90	13.73	0.050		
	SEGMENT 2	231837	224583440.	86.	3520	3538	65.53	16.25	0.025		
	SEGMENT 3	10747	1095174.	0.	519	520	20.63	7.52	0.110		
TOTALTRM	414.19	331853	262214368.		5780	5812	48.27	13.26	0.025	14.829	0.028

H= 665.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	98016	42405744.	14.	1758	1771	55.32	14.52	0.050		
	SEGMENT 2	249437	253712096.	85.	3520	3538	70.50	17.07	0.025		
	SEGMENT 3	13499	1484329.	0.	581	583	23.13	8.12	0.110		
TOTALTRM	414.19	360953	297602144.		5860	5893	51.45	13.83	0.025	15.540	0.028

H= 670.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	106850	48636140.	15.	1775	1789	59.70	15.27	0.050		
	SEGMENT 2	267037	284244448.	85.	3520	3538	75.48	17.86	0.025		
	SEGMENT 3	16566	1950071.	1.	644	646	25.62	8.69	0.110		
TOTALTRM	414.19	390453	334830656.		5940	5974	54.58	14.39	0.025	16.227	0.028

H= 675.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	115770	55220368.	15.	1792	1807	64.04	16.01	0.050		
	SEGMENT 2	284637	316148928.	85.	3520	3538	80.45	18.64	0.025		
	SEGMENT 3	19945	2497812.	1.	707	709	28.11	9.25	0.110		
TOTALTRM	414.19	420354	373867136.		6020	6055	57.65	14.92	0.025	16.893	0.028

H= 680.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	124777	62152668.	15.	1810	1825	68.34	16.72	0.050		
	SEGMENT 2	302237	349396704.	84.	3520	3538	85.43	19.40	0.025		
	SEGMENT 3	23639	3132788.	1.	770	772	30.60	9.78	0.110		

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    TOTALTRM      414.19           450654       414682176.              6100      6136  60.67  15.44  0.025    17.539  0.028
1    SECTION     7            18 POINTS OF COORDINATES          36 ELEVATIONS COMPUTED

         SEGMENT      X       Y    SEGMENT      X        Y   SEGMENT      X       Y   SEGMENT      X       Y   SEGMENT      X       Y

            1        60.   680.0      1       160.   623.0      1       230.   609.0     1       300.   603.4     2       425.   582.9
            2       600.   577.9      2       830.   576.6      2      1276.   579.2     2      1400.   578.8     2      1700.   578.2
            2      1760.   579.7      2      1775.   581.0      2      1863.   587.5     2      2030.   618.2     3      2480.   603.5
            3      3150.   608.6      3      3350.   623.5      3      3360.   680.0

                                  EACH SEGMENT HAS A CONSTANT  N

                                          1        0.085
                                          2        0.025
                                          3        0.085

    H= 525.00                           AREA                 K      % K         B         WP     R      R2/3      N       RP23    NP

                  SEGMENT  1              0               0.       0.         0          0    0.00    0.00   0.085
                  SEGMENT  2              0               0.       0.         0          0    0.00    0.00   0.025
                  SEGMENT  3              0               0.       0.         0          0    0.00    0.00   0.085

    TOTALTRM      412.08                0                 0.                    0          0    0.00    0.00   0.025     0.000  0.000

    H= 530.00                           AREA                 K      % K         B         WP     R      R2/3      N       RP23    NP

                  SEGMENT  1              0               0.       0.         0          0    0.00    0.00   0.085
                  SEGMENT  2              0               0.       0.         0          0    0.00    0.00   0.025
                  SEGMENT  3              0               0.       0.         0          0    0.00    0.00   0.085

    TOTALTRM      412.08                0                 0.                    0          0    0.00    0.00   0.025     0.000  0.000

    H= 535.00                           AREA                 K      % K         B         WP     R      R2/3      N       RP23    NP

                  SEGMENT  1              0               0.       0.         0          0    0.00    0.00   0.085
                  SEGMENT  2              0               0.       0.         0          0    0.00    0.00   0.025
                  SEGMENT  3              0               0.       0.         0          0    0.00    0.00   0.085

    TOTALTRM      412.08                0                 0.                    0          0    0.00    0.00   0.025     0.000  0.000

    H= 540.00                           AREA                 K      % K         B         WP     R      R2/3      N       RP23    NP

                  SEGMENT  1              0               0.       0.         0          0    0.00    0.00   0.085
                  SEGMENT  2              0               0.       0.         0          0    0.00    0.00   0.025
                  SEGMENT  3              0               0.       0.         0          0    0.00    0.00   0.085
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TOTALTRM	412.08	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.085		
TOTALTRM	412.08	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.085		
TOTALTRM	412.08	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.085		
TOTALTRM	412.08	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.085		
TOTALTRM	412.08	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.085		
TOTALTRM	412.08	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.085		
TOTALTRM	412.08	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.085		
TOTALTRM	412.08	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	2283	204842.	100.	1236	1237	1.85	1.50	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.085		
TOTALTRM	412.08	2283	204842.		1236	1237	1.85	1.50	0.025	1.505	0.025

H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	13	241.	0.	12	12	1.04	1.02	0.085		
	SEGMENT 2	8989	1846877.	100.	1404	1404	6.40	3.45	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.085		
TOTALTRM	412.08	9002	1847118.		1416	1417	6.39	3.44	0.025	3.430	0.025

H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	153	6214.	0.	43	43	3.50	2.31	0.085		
	SEGMENT 2	16153	4797520.	100.	1451	1452	11.12	4.98	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.085		
TOTALTRM	412.08	16307	4803734.		1494	1496	10.99	4.94	0.025	4.916	0.025

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	446	25751.	0.	73	74	5.97	3.29	0.085		
	SEGMENT 2	23479	8835960.	100.	1478	1479	15.87	6.31	0.025		

	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.085		
TOTALTRM	412.08		23926	8861711.		1552	1554	15.49	6.21	0.025	6.188	0.025
H= 600.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	891	64767.	0.	104	105	8.44	4.14	0.085		
	SEGMENT	2	30941	13824349.	100.	1505	1507	20.52	7.50	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.085		
TOTALTRM	412.08		31833	13889115.		1610	1613	19.81	7.32	0.025	7.303	0.025
H= 605.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	1497	123472.	1.	144	146	10.20	4.70	0.085		
	SEGMENT	2	38574	19338822.	99.	1579	1581	24.40	8.41	0.025		
	SEGMENT	3	147	2139.	0.	197	197	0.75	0.83	0.085		
TOTALTRM	412.08		40219	19464432.		1921	1924	23.14	8.12	0.025	7.587	0.023
H= 610.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	2374	215232.	1.	200	201	11.76	5.17	0.085		
	SEGMENT	2	46920	24937784.	99.	1759	1761	26.63	8.92	0.025		
	SEGMENT	3	2659	114742.	0.	688	688	3.86	2.46	0.085		
TOTALTRM	412.08		51954	25267758.		2648	2652	23.31	8.16	0.025	7.267	0.022
H= 615.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	3437	368253.	1.	225	227	15.11	6.11	0.085		
	SEGMENT	2	56167	31534550.	97.	1939	1942	28.91	9.42	0.025		
	SEGMENT	3	6271	450435.	1.	755	756	8.29	4.10	0.085		
TOTALTRM	412.08		65876	32353238.		2920	2926	23.65	8.24	0.025	7.973	0.024
H= 620.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	4624	562583.	1.	250	252	18.28	6.94	0.085		
	SEGMENT	2	66258	39959752.	96.	2055	2058	32.19	10.12	0.025		
	SEGMENT	3	10218	960135.	2.	823	823	12.41	5.36	0.085		
TOTALTRM	412.08		81101	41482472.		3128	3134	25.14	8.58	0.025	8.748	0.025

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	5930	810773.	2.	268	272	21.78	7.80	0.085		
	SEGMENT 2	76533	50812764.	95.	2055	2058	37.18	11.14	0.025		
	SEGMENT 3	14486	1653257.	3.	870	872	16.61	6.51	0.085		
TOTALTRM	412.08	96950	53276792.		3193	3202	28.00	9.22	0.025	9.714	0.026

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	7295	1117481.	2.	277	282	25.83	8.74	0.085		
	SEGMENT 2	86808	62684104.	94.	2055	2058	42.17	12.12	0.025		
	SEGMENT 3	18840	2551845.	4.	871	877	21.48	7.73	0.085		
TOTALTRM	412.08	112943	66353428.		3203	3218	30.95	9.86	0.025	10.721	0.027

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8703	1464984.	2.	286	292	29.75	9.60	0.085		
	SEGMENT 2	97083	75531736.	94.	2055	2058	47.16	13.05	0.025		
	SEGMENT 3	23198	3595807.	4.	872	882	26.29	8.84	0.085		
TOTALTRM	412.08	128985	80592528.		3213	3233	33.94	10.48	0.025	11.677	0.028

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	10155	1852250.	2.	294	302	33.56	10.40	0.085		
	SEGMENT 2	107358	89319832.	93.	2055	2058	52.16	13.96	0.025		
	SEGMENT 3	27560	4773736.	5.	872	887	31.06	9.88	0.085		
TOTALTRM	412.08	145074	95945816.		3222	3248	36.96	11.10	0.025	12.589	0.028

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	11651	2278586.	2.	303	312	37.26	11.16	0.085		
	SEGMENT 2	117633	104017304.	93.	2055	2058	57.15	14.84	0.025		
	SEGMENT 3	31927	6076658.	5.	873	892	35.78	10.86	0.085		
TOTALTRM	412.08	161212	112372544.		3232	3263	40.00	11.70	0.025	13.465	0.029

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	13191	2743541.	2.	312	322	40.87	11.86	0.085		

	SEGMENT 2	127908	119596824.	92.	2055	2058	62.14	15.69	0.025		
	SEGMENT 3	36298	7497215.	6.	874	897	40.44	11.78	0.085		
TOTALTRM	412.08	177398	129837576.		3242	3278	43.03	12.28	0.025	14.307	0.029
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	14775	3246846.	2.	321	332	44.38	12.54	0.085		
	SEGMENT 2	138183	136034048.	92.	2055	2058	67.13	16.52	0.025		
	SEGMENT 3	40674	9029204.	6.	875	902	45.07	12.66	0.085		
TOTALTRM	412.08	193633	148310096.		3251	3293	46.07	12.85	0.025	15.121	0.029
H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	16403	3788364.	2.	329	342	47.82	13.18	0.085		
	SEGMENT 2	148458	153307184.	91.	2055	2058	72.12	17.33	0.025		
	SEGMENT 3	45054	10667275.	6.	876	907	49.64	13.51	0.085		
TOTALTRM	412.08	209915	167762816.		3261	3309	49.10	13.41	0.025	15.908	0.030
H= 665.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	18074	4368067.	2.	338	353	51.19	13.79	0.085		
	SEGMENT 2	158733	171396448.	91.	2055	2058	77.11	18.12	0.025		
	SEGMENT 3	49438	12406742.	7.	877	912	54.17	14.32	0.085		
TOTALTRM	412.08	226246	188171248.		3271	3324	52.13	13.95	0.025	16.672	0.030
H= 670.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	19789	4986007.	2.	347	363	54.49	14.37	0.085		
	SEGMENT 2	169008	190283744.	91.	2055	2058	82.11	18.89	0.025		
	SEGMENT 3	53827	14243444.	7.	878	917	58.65	15.10	0.085		
TOTALTRM	412.08	242626	209513184.		3280	3339	55.15	14.49	0.025	17.414	0.030
H= 675.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	21549	5642304.	2.	356	373	57.73	14.94	0.085		
	SEGMENT 2	179283	209952640.	91.	2055	2058	87.10	19.65	0.025		
	SEGMENT 3	58221	16173646.	7.	879	922	63.09	15.85	0.085		
TOTALTRM	412.08	259053	231768592.		3290	3354	58.16	15.01	0.025	18.137	0.030

H= 680.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	23352	6337128.	2.	365	383	60.91	15.48	0.085		
	SEGMENT 2	189558	230387872.	90.	2055	2058	92.09	20.39	0.025		
	SEGMENT 3	62619	18193968.	7.	880	927	67.48	16.58	0.085		
TOTALTRM	412.08	275529	254918960.		3300	3369	61.16	15.52	0.025	18.841	0.030

1 SECTION 8 21 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	40.	680.0	1	100.	624.0	1	170.	609.0	1	190.	603.6	1	550.	603.6
2	620.	584.6	2	710.	579.6	2	793.	575.8	2	1000.	578.3	2	1238.	579.4
2	1500.	577.7	2	1830.	576.6	2	2030.	576.7	2	2130.	580.7	2	2180.	604.0
3	2700.	604.0	3	2900.	608.7	3	3000.	608.7	3	3100.	604.0	3	3225.	624.0
3	3460.	680.0												

EACH SEGMENT HAS A CONSTANT N

1	0.070
2	0.023
3	0.060

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	0	0.		0	0	0.00	0.00	0.023	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	0	0.		0	0	0.00	0.00	0.023	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		

TOTALTRM	409.98	0	0.		0	0	0.00	0.00	0.023	0.000	0.000
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	0	0.		0	0	0.00	0.00	0.023	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	0	0.		0	0	0.00	0.00	0.023	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	0	0.		0	0	0.00	0.00	0.023	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	0	0.		0	0	0.00	0.00	0.023	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	0	0.		0	0	0.00	0.00	0.023	0.000	0.000

H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	0	0.		0	0	0.00	0.00	0.023	0.000	0.000

H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	0	0.		0	0	0.00	0.00	0.023	0.000	0.000

H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	0	0.		0	0	0.00	0.00	0.023	0.000	0.000

H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	3203	358629.	100.	1409	1409	2.27	1.73	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	3203	358629.		1409	1409	2.27	1.73	0.023	1.728	0.023

H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	2.	0.	1	1	0.19	0.33	0.070		
	SEGMENT 2	10576	2496710.	100.	1519	1520	6.96	3.64	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	10576	2496712.		1520	1522	6.96	3.64	0.023	3.642	0.023

H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	53	2165.	0.	19	20	2.61	1.89	0.070		
	SEGMENT 2	18199	6137394.	100.	1529	1532	11.88	5.21	0.023		

	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	18253	6139560.		1549	1552	11.83	5.19	0.023	5.170	0.023
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	199	12431.	0.	38	39	5.02	2.93	0.070		
	SEGMENT 2	25876	10977138.	100.	1540	1544	16.76	6.55	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	26075	10989569.		1579	1583	16.59	6.51	0.023	6.472	0.023
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	436	35412.	0.	56	58	7.43	3.81	0.070		
	SEGMENT 2	33606	16884286.	100.	1551	1556	21.60	7.76	0.023		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
TOTALTRM	409.98	34043	16919698.		1608	1614	21.25	7.67	0.023	7.632	0.023
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1270	55022.	0.	435	437	2.90	2.03	0.070		
	SEGMENT 2	41909	20067846.	100.	2080	2085	20.10	7.39	0.023		
	SEGMENT 3	35	548.	0.	70	70	0.50	0.63	0.060		
TOTALTRM	409.98	43214	20123416.		2585	2593	19.27	7.19	0.023	6.524	0.021
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3493	288115.	1.	454	458	7.63	3.87	0.070		
	SEGMENT 2	52309	29036800.	99.	2080	2085	25.08	8.57	0.023		
	SEGMENT 3	1337	69895.	0.	437	438	3.05	2.10	0.060		
TOTALTRM	409.98	57139	29394810.		2972	2981	22.38	7.94	0.023	7.162	0.021
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	5825	653062.	2.	478	481	12.09	5.27	0.070		
	SEGMENT 2	62709	39282956.	98.	2080	2085	30.07	9.67	0.023		
	SEGMENT 3	3603	347988.	1.	468	469	7.67	3.89	0.060		
TOTALTRM	409.98	72137	40284004.		3026	3037	25.31	8.62	0.023	8.264	0.022

H= 620.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	8273	1134839.	2.	501	505	16.36	6.44	0.070		
	SEGMENT	2	73109	50730864.	96.	2080	2085	35.06	10.71	0.023		
	SEGMENT	3	6024	784908.	1.	500	501	12.02	5.25	0.060		
TOTALTRM	409.98		87407	52650608.		3081	3092	28.35	9.30	0.023	9.279	0.023

H= 625.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	10836	1732802.	3.	521	526	20.59	7.51	0.070		
	SEGMENT	2	83509	63320272.	95.	2080	2085	40.04	11.70	0.023		
	SEGMENT	3	8602	1367544.	2.	529	531	16.20	6.40	0.060		
TOTALTRM	409.98		102947	66420616.		3130	3142	31.43	9.96	0.023	10.239	0.024

H= 630.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	13455	2462726.	3.	526	533	25.21	8.60	0.070		
	SEGMENT	2	93909	77001504.	94.	2080	2085	45.03	12.66	0.023		
	SEGMENT	3	11300	2098484.	3.	550	552	20.45	7.48	0.060		
TOTALTRM	409.98		118664	81562704.		3156	3171	34.56	10.61	0.023	11.188	0.024

H= 635.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	16100	3291488.	3.	531	540	29.76	9.60	0.070		
	SEGMENT	2	104309	91732512.	94.	2080	2085	50.02	13.58	0.023		
	SEGMENT	3	14103	2959508.	3.	571	574	24.56	8.45	0.060		
TOTALTRM	409.98		134513	97983512.		3182	3200	37.70	11.24	0.023	12.089	0.025

H= 640.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	18773	4213517.	4.	537	548	34.24	10.54	0.070		
	SEGMENT	2	114709	107477128.	93.	2080	2085	55.00	14.46	0.023		
	SEGMENT	3	17012	3946784.	3.	592	595	28.55	9.34	0.060		
TOTALTRM	409.98		150494	115637432.		3209	3229	40.85	11.86	0.023	12.951	0.025

H= 645.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	21472	5224384.	4.	542	555	38.65	11.43	0.070		

	SEGMENT 2	125109	124203664.	92.	2080	2085	59.99	15.32	0.023		
	SEGMENT 3	20025	5058018.	4.	613	617	32.44	10.17	0.060		
TOTALTRM	409.98	166606	134486064.		3235	3258	43.98	12.46	0.023	13.778	0.025
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	24198	6320462.	4.	547	562	42.99	12.27	0.070		
	SEGMENT 2	135509	141884096.	92.	2080	2085	64.98	16.16	0.023		
	SEGMENT 3	23143	6291923.	4.	634	638	36.22	10.95	0.060		
TOTALTRM	409.98	182850	154496480.		3261	3287	47.10	13.04	0.023	14.573	0.026
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	26950	7498726.	4.	553	570	47.26	13.07	0.070		
	SEGMENT 2	145909	160493280.	91.	2080	2085	69.96	16.98	0.023		
	SEGMENT 3	26366	7647913.	4.	655	660	39.92	11.68	0.060		
TOTALTRM	409.98	199226	175639920.		3288	3316	50.20	13.61	0.023	15.341	0.026
H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	29730	8756607.	4.	558	577	51.47	13.84	0.070		
	SEGMENT 2	156309	180008624.	91.	2080	2085	74.95	17.78	0.023		
	SEGMENT 3	29694	9125906.	5.	676	682	43.54	12.38	0.060		
TOTALTRM	409.98	215733	197891136.		3314	3345	53.28	14.16	0.023	16.084	0.026
H= 665.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	32536	10091896.	5.	563	584	55.62	14.57	0.070		
	SEGMENT 2	166709	200409504.	91.	2080	2085	79.94	18.56	0.023		
	SEGMENT 3	33127	10726199.	5.	697	703	47.08	13.04	0.060		
TOTALTRM	409.98	232372	221227600.		3340	3374	56.34	14.70	0.023	16.804	0.026
H= 670.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	35369	11502675.	5.	569	592	59.72	15.28	0.070		
	SEGMENT 2	177109	221677152.	90.	2080	2085	84.92	19.32	0.023		
	SEGMENT 3	36664	12449366.	5.	718	725	50.56	13.67	0.060		
TOTALTRM	409.98	249143	245629184.		3367	3402	59.37	15.22	0.023	17.504	0.026

H= 675.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	38229	12987267.	5.	574	599	63.76	15.96	0.070		
	SEGMENT 2	187509	243794224.	90.	2080	2085	89.91	20.07	0.023		
	SEGMENT 3	40307	14296213.	5.	739	746	53.98	14.28	0.060		
TOTALTRM	409.98	266046	271077696.		3393	3431	62.38	15.73	0.023	18.184	0.027

H= 680.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	41116	14544196.	5.	580	606	67.75	16.62	0.070		
	SEGMENT 2	197909	266744672.	90.	2080	2085	94.90	20.81	0.023		
	SEGMENT 3	44055	16267709.	5.	760	768	57.34	14.87	0.060		
TOTALTRM	409.98	283080	297556576.		3420	3460	65.36	16.23	0.023	18.846	0.027

1 SECTION 9 27 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	50.	680.0	1	440.	640.0	1	610.	636.5	1	1000.	608.8	1	1450.	603.8
1	1900.	603.5	1	2825.	603.8	1	3050.	610.0	1	3300.	603.5	2	3388.	580.2
2	3490.	577.9	2	3550.	577.5	2	3683.	576.4	2	3840.	576.8	2	4035.	577.5
2	4160.	576.5	2	4650.	576.3	2	4800.	578.6	2	4860.	603.5	3	4910.	603.5
3	5350.	598.0	3	5470.	599.0	3	5650.	603.5	3	6150.	608.5	3	6260.	628.5
3	6290.	633.2	3	6400.	680.0									

EACH SEGMENT HAS A CONSTANT N

1	0.085
2	0.025
3	0.100

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		

	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.085		
	SEGMENT 2	4254	530344.	100.	1406	1406	3.02	2.09	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	4254	530344.		1406	1406	3.02	2.09	0.025	2.091	0.025

H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	43	1337.	0.	18	18	2.32	1.75	0.085		

	SEGMENT 2	11360	2697530.	100.	1427	1428	7.95	3.98	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	11404	2698866.		1445	1447	7.91	3.97	0.025	3.960	0.025
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	181	8967.	0.	37	38	4.74	2.82	0.085		
	SEGMENT 2	18528	6058496.	100.	1439	1441	12.85	5.49	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	18709	6067463.		1476	1480	12.69	5.44	0.025	5.427	0.025
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	413	26919.	0.	55	57	7.15	3.71	0.085		
	SEGMENT 2	25755	10426938.	100.	1451	1454	17.70	6.79	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTAL TRM	407.88	26169	10453857.		1507	1512	17.35	6.70	0.025	6.690	0.025
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	740	58498.	0.	74	77	9.57	4.51	0.085		
	SEGMENT 2	33043	15700921.	100.	1463	1467	22.51	7.97	0.025		
	SEGMENT 3	360	5802.	0.	320	320	1.12	1.08	0.100		
TOTAL TRM	407.88	34143	15765221.		1858	1865	21.56	7.75	0.025	6.946	0.022
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3147	84013.	0.	1672	1675	1.88	1.52	0.085		
	SEGMENT 2	40463	21435056.	99.	1522	1527	26.50	8.89	0.025		
	SEGMENT 3	3437	126076.	1.	890	890	3.86	2.46	0.100		
TOTAL TRM	407.88	47048	21645146.		4084	4092	21.45	7.72	0.025	5.094	0.016
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	13513	748046.	3.	2404	2408	5.61	3.16	0.085		
	SEGMENT 2	48073	28566794.	96.	1522	1527	31.48	9.97	0.025		
	SEGMENT 3	9031	503308.	2.	1248	1248	7.23	3.74	0.100		
TOTAL TRM	407.88	70618	29818146.		5175	5183	18.86	7.08	0.025	5.705	0.020

H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	25714	2144032.	5.	2475	2478	10.37	4.76	0.085		
	SEGMENT 2	55683	36494660.	92.	1522	1527	36.47	11.00	0.025		
	SEGMENT 3	15341	1199354.	3.	1275	1276	12.02	5.25	0.100		
TOTAL TRM	407.88	96738	39838048.		5273	5282	18.16	6.91	0.025	6.949	0.025

H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	38266	4081783.	8.	2545	2549	15.01	6.09	0.085		
	SEGMENT 2	63293	45180404.	88.	1522	1527	41.45	11.98	0.025		
	SEGMENT 3	21788	2121433.	4.	1303	1304	16.70	6.53	0.100		
TOTAL TRM	407.88	123348	51383620.		5370	5380	18.48	6.99	0.025	8.071	0.029

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	51170	6505558.	10.	2616	2619	19.53	7.25	0.085		
	SEGMENT 2	70903	54592240.	85.	1522	1527	46.43	12.92	0.025		
	SEGMENT 3	28373	3248120.	5.	1330	1332	21.30	7.68	0.100		
TOTAL TRM	407.88	150448	64345916.		5468	5479	19.22	7.18	0.025	9.102	0.032

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	64427	9382817.	12.	2686	2690	23.95	8.31	0.085		
	SEGMENT 2	78513	64703120.	82.	1522	1527	51.42	13.83	0.025		
	SEGMENT 3	35097	4563211.	6.	1359	1361	25.78	8.73	0.100		
TOTAL TRM	407.88	178038	78649144.		5568	5579	20.18	7.41	0.025	10.062	0.034

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	78035	12692352.	13.	2756	2761	28.26	9.28	0.085		
	SEGMENT 2	86123	75489632.	80.	1522	1527	56.40	14.71	0.025		
	SEGMENT 3	41968	6072414.	6.	1384	1386	30.26	9.71	0.100		
TOTAL TRM	407.88	206127	94254400.		5663	5674	21.25	7.67	0.025	10.969	0.036

H= 640.00	AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	92207	16030321.	14.	2948	2952	31.23	9.92	0.085		
	SEGMENT 2	93733	86931240.	78.	1522	1527	61.38	15.56	0.025		
	SEGMENT 3	48918	7791694.	7.	1395	1399	34.95	10.69	0.100		
TOTAL TRM	407.88	234859	110753256.		5865	5878	22.26	7.91	0.025	11.688	0.037
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	107069	20339520.	16.	2996	3001	35.67	10.84	0.085		
	SEGMENT 2	101343	99009664.	77.	1522	1527	66.37	16.39	0.025		
	SEGMENT 3	55928	9681120.	8.	1407	1412	39.60	11.62	0.100		
TOTAL TRM	407.88	264341	129030304.		5926	5940	23.44	8.19	0.025	12.559	0.038
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	122174	25071472.	17.	3045	3050	40.05	11.71	0.085		
	SEGMENT 2	108953	111708528.	75.	1522	1527	71.35	17.20	0.025		
	SEGMENT 3	62996	11734356.	8.	1419	1425	44.20	12.50	0.100		
TOTAL TRM	407.88	294124	148514352.		5986	6002	24.66	8.47	0.025	13.392	0.039
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	137524	30215336.	18.	3094	3099	44.37	12.53	0.085		
	SEGMENT 2	116563	125013032.	74.	1522	1527	76.33	17.99	0.025		
	SEGMENT 3	70123	13946119.	8.	1431	1437	48.77	13.35	0.100		
TOTAL TRM	407.88	324210	169174480.		6047	6064	25.91	8.76	0.025	14.194	0.040
H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	153117	35762440.	19.	3143	3148	48.64	13.32	0.085		
	SEGMENT 2	124173	138909680.	73.	1522	1527	81.32	18.77	0.025		
	SEGMENT 3	77308	16311924.	9.	1442	1450	53.29	14.16	0.100		
TOTAL TRM	407.88	354599	190984032.		6107	6126	27.17	9.04	0.025	14.966	0.041
H= 665.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	168954	41705764.	19.	3191	3197	52.84	14.08	0.085		
	SEGMENT 2	131783	153386096.	72.	1522	1527	86.30	19.53	0.025		
	SEGMENT 3	84552	18827920.	9.	1454	1463	57.77	14.94	0.100		

TOTAL TRM	407.88	385290	213919776.		6168	6187	28.43	9.32	0.025	15.712	0.042

H= 670.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
SEGMENT	1	185034	48039608.	20.	3240	3246	57.00	14.81	0.085		
SEGMENT	2	139393	168430896.	71.	1522	1527	91.28	20.27	0.025		
SEGMENT	3	91856	21490756.	9.	1466	1476	62.22	15.70	0.100		
TOTAL TRM	407.88	416284	237961264.		6228	6249	29.70	9.59	0.025	16.434	0.043

H= 675.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
SEGMENT	1	201359	54759316.	21.	3289	3295	61.11	15.51	0.085		
SEGMENT	2	147003	184033536.	70.	1522	1527	96.27	21.01	0.025		
SEGMENT	3	99217	24297498.	9.	1478	1489	66.63	16.44	0.100		
TOTAL TRM	407.88	447580	263090368.		6289	6311	30.97	9.86	0.025	17.135	0.043

H= 680.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
SEGMENT	1	217927	61861096.	21.	3338	3344	65.16	16.19	0.085		
SEGMENT	2	154613	200184272.	69.	1522	1527	101.25	21.72	0.025		
SEGMENT	3	106638	27245556.	9.	1490	1501	71.01	17.15	0.100		
TOTAL TRM	407.88	479179	289290912.		6350	6373	32.24	10.13	0.025	17.817	0.044

1 SECTION 10 30 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	100.	680.0	1	350.	620.0	1	600.	606.2	1	680.	603.8	1	1380.	598.8
1	2320.	598.8	1	2750.	603.5	1	3550.	604.0	2	3600.	578.0	2	3625.	571.0
2	3943.	569.9	2	4100.	567.0	2	4225.	564.0	2	4350.	564.5	2	4535.	570.2
2	4684.	579.2	2	4760.	604.0	3	4810.	609.0	3	4850.	613.5	3	5100.	614.0
3	5250.	609.0	3	5350.	603.5	3	5740.	603.9	3	6150.	600.0	3	6750.	610.0
3	7000.	620.0	3	8160.	620.0	3	8560.	640.0	3	8760.	660.0	3	8860.	680.0

EACH SEGMENT HAS A CONSTANT N

1	0.065
2	0.025
3	0.065

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.065		

	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.065		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.065		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.065		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.065		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.065		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.065		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.065		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.065		
	SEGMENT 2	118	5298.	100.	182	182	0.65	0.75	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77	118	5298.		182	182	0.65	0.75	0.025	0.749	0.025
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.065		
	SEGMENT 2	2016	265476.	100.	614	614	3.28	2.21	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77	2016	265476.		614	614	3.28	2.21	0.025	2.209	0.025
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.065		
	SEGMENT 2	6641	1394153.	100.	1003	1004	6.61	3.52	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77	6641	1394153.		1003	1004	6.61	3.52	0.025	3.523	0.025
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT	1	3	81.	0.	3	4	0.89	0.92	0.065		
	SEGMENT	2	11899	3494699.	100.	1086	1087	10.94	4.93	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77		11903	3494780.		1090	1092	10.93	4.93	0.025	4.916	0.025
H= 585.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	47	2299.	0.	13	15	3.11	2.13	0.065		
	SEGMENT	2	17370	6500276.	100.	1101	1104	15.73	6.28	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77		17417	6502574.		1115	1119	15.68	6.26	0.025	6.234	0.025
H= 590.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	138	9677.	0.	23	26	5.32	3.05	0.065		
	SEGMENT	2	22917	10217223.	100.	1117	1120	20.46	7.48	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77		23056	10226900.		1140	1146	20.30	7.44	0.025	7.397	0.025
H= 595.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	277	24496.	0.	32	36	7.54	3.85	0.065		
	SEGMENT	2	28541	14589475.	100.	1132	1136	25.12	8.58	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77		28819	14613971.		1165	1173	24.82	8.51	0.025	8.451	0.025
H= 600.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	1760	50271.	0.	1260	1265	1.39	1.25	0.065		
	SEGMENT	2	34241	19577796.	100.	1147	1152	29.71	9.59	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	405.77		36001	19628068.		2407	2417	27.67	9.15	0.025	6.053	0.016
H= 605.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	11797	678843.	3.	2960	2966	3.98	2.51	0.065		
	SEGMENT	2	40022	25059062.	97.	1170	1175	34.05	10.51	0.025		
	SEGMENT	3	2527	99275.	0.	1127	1127	2.24	1.71	0.065		

TOTALTRM	405.77	54347	25837180.		5257	5269	22.53	7.98	0.025	4.739	0.015
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	26904	2618446.	8.	3068	3075	8.75	4.25	0.065		
	SEGMENT 2	45992	30893454.	90.	1210	1215	37.84	11.27	0.025		
	SEGMENT 3	9151	688539.	2.	1538	1539	5.95	3.28	0.065		
TOTALTRM	405.77	82048	34200440.		5817	5830	18.50	6.99	0.025	5.829	0.021
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	42474	5497245.	12.	3159	3166	13.42	5.65	0.065		
	SEGMENT 2	52042	37959340.	84.	1210	1215	42.81	12.24	0.025		
	SEGMENT 3	17932	1736323.	4.	2065	2065	8.68	4.22	0.065		
TOTALTRM	405.77	112449	45192908.		6434	6447	17.51	6.74	0.025	6.726	0.025
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	58498	9197129.	16.	3250	3256	17.96	6.86	0.065		
	SEGMENT 2	58092	45595508.	78.	1210	1215	47.79	13.17	0.025		
	SEGMENT 3	28569	3628463.	6.	2190	2190	13.04	5.54	0.065		
TOTALTRM	405.77	145160	58421104.		6650	6663	17.55	6.75	0.025	7.801	0.029
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	74800	13793916.	19.	3270	3278	22.82	8.04	0.065		
	SEGMENT 2	64142	53781384.	73.	1210	1215	52.77	14.07	0.025		
	SEGMENT 3	45569	5835998.	8.	3450	3450	13.21	5.59	0.065		
TOTALTRM	405.77	184512	73411296.		7930	7944	17.25	6.68	0.025	8.141	0.030
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	91206	19113434.	21.	3291	3299	27.64	9.14	0.065		
	SEGMENT 2	70192	62499056.	68.	1210	1215	57.74	14.94	0.025		
	SEGMENT 3	63069	9841787.	11.	3550	3551	17.76	6.81	0.065		
TOTALTRM	405.77	224469	91454272.		8051	8066	17.87	6.84	0.025	9.184	0.033
H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	107717	25112770.	23.	3312	3321	32.43	10.17	0.065		
	SEGMENT 2	76242	71732776.	64.	1210	1215	62.72	15.79	0.025		
	SEGMENT 3	81069	14680886.	13.	3650	3651	22.20	7.90	0.065		
TOTALTRM	405.77	265029	111526432.		8172	8187	18.76	7.06	0.025	10.158	0.036
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	124331	31758596.	24.	3333	3342	37.20	11.14	0.065		
	SEGMENT 2	82292	81468480.	61.	1210	1215	67.70	16.61	0.025		
	SEGMENT 3	99569	20309538.	15.	3750	3751	26.54	8.90	0.065		
TOTALTRM	405.77	306194	133536616.		8293	8309	19.79	7.32	0.025	11.075	0.038
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	141050	39024044.	25.	3354	3363	41.93	12.07	0.065		
	SEGMENT 2	88342	91693544.	58.	1210	1215	72.68	17.42	0.025		
	SEGMENT 3	118444	26884042.	17.	3800	3801	31.16	9.90	0.065		
TOTALTRM	405.77	347837	157601632.		8364	8381	20.96	7.60	0.025	11.989	0.039
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	157873	46886884.	26.	3375	3385	46.63	12.96	0.065		
	SEGMENT 2	94392	102396520.	56.	1210	1215	77.65	18.20	0.025		
	SEGMENT 3	137570	34200908.	19.	3850	3851	35.72	10.85	0.065		
TOTALTRM	405.77	389835	183484320.		8435	8452	22.19	7.90	0.025	12.862	0.041
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	174800	55328320.	26.	3395	3406	51.31	13.81	0.065		
	SEGMENT 2	100442	113566952.	54.	1210	1215	82.63	18.97	0.025		
	SEGMENT 3	156945	42233576.	20.	3900	3902	40.22	11.74	0.065		
TOTALTRM	405.77	432187	211128848.		8505	8524	23.47	8.20	0.025	13.700	0.042
H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	191831	64332252.	27.	3416	3428	55.96	14.63	0.065		
	SEGMENT 2	106492	125195272.	52.	1210	1215	87.61	19.73	0.025		
	SEGMENT 3	176570	50960716.	21.	3950	3952	44.68	12.59	0.065		

TOTALTRM	405.77	474894	240488240.		8576	8596	24.77	8.50	0.025	14.507	0.043

H= 665.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	208967	73884640.	27.	3437	3449	60.58	15.42	0.065		
	SEGMENT 2	112542	137272608.	51.	1210	1215	92.58	20.47	0.025		
	SEGMENT 3	196382	60582936.	22.	3975	3977	49.37	13.46	0.065		
TOTALTRM	405.77	517892	271740192.		8622	8643	26.12	8.80	0.025	15.315	0.043

H= 670.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	226206	83973200.	28.	3458	3471	65.17	16.19	0.065		
	SEGMENT 2	118592	149790752.	49.	1210	1215	97.56	21.19	0.025		
	SEGMENT 3	216320	70874552.	23.	4000	4003	54.04	14.29	0.065		
TOTALTRM	405.77	561119	304638496.		8668	8689	27.49	9.11	0.025	16.097	0.044

H= 675.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	243550	94587008.	28.	3479	3492	69.74	16.94	0.065		
	SEGMENT 2	124642	162742112.	48.	1210	1215	102.54	21.91	0.025		
	SEGMENT 3	236382	81818224.	24.	4025	4028	58.67	15.10	0.065		
TOTALTRM	405.77	604575	339147360.		8714	8736	28.88	9.41	0.025	16.857	0.045

H= 680.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	260998	105716352.	28.	3500	3513	74.28	17.67	0.065		
	SEGMENT 2	130692	176119520.	47.	1210	1215	107.51	22.61	0.025		
	SEGMENT 3	256569	93398768.	25.	4050	4054	63.28	15.88	0.065		
TOTALTRM	405.77	648260	375234624.		8760	8783	30.27	9.71	0.025	17.597	0.045

1 SECTION 11 42 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	50.	680.0	1	400.	660.0	1	900.	640.0	1	950.	620.0	1	1000.	610.0
1	2000.	600.0	1	2300.	602.0	1	3560.	604.0	1	4140.	604.0	1	4300.	598.8
1	4440.	598.8	1	4540.	594.0	1	4600.	594.0	1	4660.	599.0	1	4950.	604.0
1	5050.	604.0	1	5070.	599.0	1	5150.	599.0	1	5250.	604.0	1	5290.	604.0
2	5330.	577.0	2	5400.	575.3	2	5750.	574.0	2	5810.	574.1	2	6040.	574.8
2	6141.	573.3	2	6390.	573.4	2	6539.	574.2	2	6650.	599.0	3	6760.	603.0
3	6900.	599.0	3	7950.	599.0	3	8460.	604.0	3	8670.	609.0	3	9125.	609.0

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       3     9330.  614.0    3     9800.  618.0    3     9900.  619.0    3     9950.  624.0    3    11100.  640.0
       3    11399.  660.0    3    11400.  680.0

                          EACH SEGMENT HAS A CONSTANT  N

                                  1       0.110
                                  2       0.027
                                  3       0.110

 H= 525.00                        AREA             K      % K       B        WP    R      R2/3       N      RP23    NP

                 SEGMENT  1          0             0.      0.       0         0   0.00    0.00   0.110
                 SEGMENT  2          0             0.      0.       0         0   0.00    0.00   0.027
                 SEGMENT  3          0             0.      0.       0         0   0.00    0.00   0.110

 TOTALTRM        403.67             0              0.               0         0   0.00    0.00   0.027    0.000   0.000

 H= 530.00                        AREA             K      % K       B        WP    R      R2/3       N      RP23    NP

                 SEGMENT  1          0             0.      0.       0         0   0.00    0.00   0.110
                 SEGMENT  2          0             0.      0.       0         0   0.00    0.00   0.027
                 SEGMENT  3          0             0.      0.       0         0   0.00    0.00   0.110

 TOTALTRM        403.67             0              0.               0         0   0.00    0.00   0.027    0.000   0.000

 H= 535.00                        AREA             K      % K       B        WP    R      R2/3       N      RP23    NP

                 SEGMENT  1          0             0.      0.       0         0   0.00    0.00   0.110
                 SEGMENT  2          0             0.      0.       0         0   0.00    0.00   0.027
                 SEGMENT  3          0             0.      0.       0         0   0.00    0.00   0.110

 TOTALTRM        403.67             0              0.               0         0   0.00    0.00   0.027    0.000   0.000

 H= 540.00                        AREA             K      % K       B        WP    R      R2/3       N      RP23    NP

                 SEGMENT  1          0             0.      0.       0         0   0.00    0.00   0.110
                 SEGMENT  2          0             0.      0.       0         0   0.00    0.00   0.027
                 SEGMENT  3          0             0.      0.       0         0   0.00    0.00   0.110

 TOTALTRM        403.67             0              0.               0         0   0.00    0.00   0.027    0.000   0.000

 H= 545.00                        AREA             K      % K       B        WP    R      R2/3       N      RP23    NP

                 SEGMENT  1          0             0.      0.       0         0   0.00    0.00   0.110
```

	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.027		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	403.67	0	0.		0	0	0.00	0.00	0.027	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.027		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	403.67	0	0.		0	0	0.00	0.00	0.027	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.027		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	403.67	0	0.		0	0	0.00	0.00	0.027	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.027		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	403.67	0	0.		0	0	0.00	0.00	0.027	0.000	0.000
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.027		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	403.67	0	0.		0	0	0.00	0.00	0.027	0.000	0.000
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.027		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	403.67	0	0.		0	0	0.00	0.00	0.027	0.000	0.000

H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	1005	53475.	100.	1061	1061	0.95	0.96	0.027		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	403.67	1005	53475.		1061	1061	0.95	0.96	0.027	0.964	0.027

H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6	104.	0.	4	5	1.24	1.16	0.110		
	SEGMENT 2	7031	1236793.	100.	1234	1235	5.69	3.19	0.027		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	403.67	7038	1236897.		1239	1240	5.68	3.18	0.027	3.180	0.027

H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	47	1428.	0.	11	14	3.32	2.22	0.110		
	SEGMENT 2	13262	3517712.	100.	1257	1258	10.54	4.81	0.027		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	403.67	13309	3519140.		1269	1272	10.49	4.79	0.027	4.782	0.027

H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	125	5211.	0.	19	23	5.39	3.07	0.110		
	SEGMENT 2	19604	6667250.	100.	1279	1281	15.30	6.16	0.027		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	403.67	19729	6672462.		1298	1304	15.17	6.13	0.027	6.116	0.027

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	316	7958.	0.	119	125	2.53	1.86	0.110		
	SEGMENT 2	26059	10587991.	100.	1302	1304	19.98	7.36	0.027		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.110		
TOTALTRM	403.67	26375	10595949.		1421	1429	19.64	7.28	0.027	6.983	0.026

H= 600.00	AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT	1	1633	43094.	0.	592	600	2.72	1.95	0.110		
	SEGMENT	2	32637	15056590.	100.	1347	1350	24.17	8.36	0.027		
	SEGMENT	3	1118	14562.	0.	1187	1187	0.94	0.96	0.110		
TOTALTRM	403.67		35388	15114246.		3127	3137	21.53	7.74	0.027	5.029	0.017
H= 605.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	11659	331167.	2.	3830	3839	3.04	2.10	0.110		
	SEGMENT	2	39663	20029700.	97.	1430	1432	27.68	9.15	0.027		
	SEGMENT	3	8666	342066.	2.	1742	1742	4.97	2.91	0.110		
TOTALTRM	403.67		59988	20702934.		7002	7014	15.64	6.25	0.027	4.182	0.018
H= 610.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	32059	1647213.	6.	4330	4339	7.39	3.79	0.110		
	SEGMENT	2	46813	26402270.	91.	1430	1432	32.67	10.22	0.027		
	SEGMENT	3	18355	963508.	3.	2406	2406	7.63	3.88	0.110		
TOTALTRM	403.67		97228	29012990.		8166	8178	12.57	5.41	0.027	5.209	0.026
H= 615.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	53771	3884997.	10.	4355	4365	12.32	5.33	0.110		
	SEGMENT	2	53963	33459762.	85.	1430	1432	37.66	11.24	0.027		
	SEGMENT	3	30936	2136249.	5.	2687	2687	11.51	5.10	0.110		
TOTALTRM	403.67		138671	39481008.		8472	8485	11.72	5.16	0.027	6.440	0.034
H= 620.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	75609	6829781.	13.	4380	4390	17.22	6.67	0.110		
	SEGMENT	2	61113	41170352.	80.	1430	1432	42.65	12.21	0.027		
	SEGMENT	3	45762	3690436.	7.	3150	3150	14.53	5.95	0.110		
TOTALTRM	403.67		182485	51690568.		8960	8973	11.63	5.13	0.027	7.451	0.039
H= 625.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	97540	10420078.	16.	4392	4403	22.15	7.89	0.110		
	SEGMENT	2	68263	49507424.	75.	1430	1432	47.64	13.14	0.027		
	SEGMENT	3	61668	5927584.	9.	3261	3262	18.90	7.10	0.110		

TOTALTRM	403.67	227472	65855088.		9084	9099	12.02	5.25	0.027	8.551	0.044
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	119534	14593737.	18.	4405	4417	27.06	9.01	0.110		
	SEGMENT 2	75413	58448212.	72.	1430	1432	52.63	14.04	0.027		
	SEGMENT 3	78876	8332152.	10.	3621	3621	21.78	7.80	0.110		
TOTALTRM	403.67	273823	81374104.		9456	9472	12.50	5.39	0.027	9.420	0.047
H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	141590	19313248.	20.	4417	4430	31.96	10.07	0.110		
	SEGMENT 2	82563	67972968.	69.	1430	1432	57.62	14.92	0.027		
	SEGMENT 3	97880	11210276.	11.	3980	3981	24.59	8.46	0.110		
TOTALTRM	403.67	322034	98496496.		9828	9844	13.05	5.54	0.027	10.229	0.050
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	163709	24549480.	21.	4430	4444	36.84	11.07	0.110		
	SEGMENT 2	89713	78064288.	67.	1430	1432	62.61	15.77	0.027		
	SEGMENT 3	118682	14590582.	12.	4340	4340	27.34	9.08	0.110		
TOTALTRM	403.67	372105	117204352.		10200	10217	13.64	5.71	0.027	10.988	0.052
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	186171	29858836.	22.	4555	4569	40.74	11.84	0.110		
	SEGMENT 2	96863	88706680.	64.	1430	1432	67.60	16.59	0.027		
	SEGMENT 3	140569	19126028.	14.	4414	4415	31.84	10.04	0.110		
TOTALTRM	403.67	423604	137691552.		10399	10417	14.30	5.89	0.027	11.826	0.054
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	209259	35634540.	22.	4680	4694	44.57	12.57	0.110		
	SEGMENT 2	104013	99886224.	63.	1430	1432	72.59	17.40	0.027		
	SEGMENT 3	162830	24163496.	15.	4489	4490	36.26	10.96	0.110		
TOTALTRM	403.67	476102	159684272.		10599	10617	14.98	6.08	0.027	12.623	0.056
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	232971	41874972.	23.	4805	4819	48.34	13.27	0.110		
	SEGMENT 2	111163	111590288.	61.	1430	1432	77.58	18.19	0.027		
	SEGMENT 3	185464	29687888.	16.	4564	4565	40.62	11.82	0.110		
TOTALTRM	403.67	529599	183153152.		10799	10817	15.69	6.27	0.027	13.384	0.058

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	257309	48579792.	23.	4930	4944	52.04	13.94	0.110		
	SEGMENT 2	118313	123807384.	60.	1430	1432	82.57	18.96	0.027		
	SEGMENT 3	208472	35687312.	17.	4639	4640	44.93	12.64	0.110		
TOTALTRM	403.67	584095	208074480.		10999	11017	16.40	6.46	0.027	14.114	0.059

H= 665.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	282177	55994900.	24.	5017	5032	56.07	14.65	0.110		
	SEGMENT 2	125463	136526944.	58.	1430	1432	87.56	19.72	0.027		
	SEGMENT 3	231668	42517152.	18.	4639	4645	49.87	13.55	0.110		
TOTALTRM	403.67	639309	235038992.		11086	11110	17.20	6.66	0.027	14.907	0.060

H= 670.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	307484	63872776.	24.	5105	5120	60.06	15.34	0.110		
	SEGMENT 2	132613	149739216.	57.	1430	1432	92.55	20.46	0.027		
	SEGMENT 3	254865	49811024.	19.	4639	4650	54.81	14.43	0.110		
TOTALTRM	403.67	694962	263423024.		11174	11203	18.00	6.87	0.027	15.673	0.061

H= 675.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	333227	72210336.	25.	5192	5207	63.99	16.00	0.110		
	SEGMENT 2	139763	163435248.	56.	1430	1432	97.54	21.19	0.027		
	SEGMENT 3	278063	57553176.	20.	4639	4655	59.73	15.28	0.110		
TOTALTRM	403.67	751054	293198752.		11262	11295	18.81	7.07	0.027	16.415	0.062

H= 680.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	359409	81005336.	25.	5280	5295	67.87	16.64	0.110		
	SEGMENT 2	146913	177606528.	55.	1430	1432	102.53	21.91	0.027		
	SEGMENT 3	301262	65729588.	20.	4640	4660	64.64	16.11	0.110		

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    TOTALTRM       403.67            807585        324341472.            11350    11388  19.63    7.28  0.027   17.135  0.063
1    SECTION   12           31 POINTS OF COORDINATES          36 ELEVATIONS COMPUTED

         SEGMENT      X       Y   SEGMENT      X       Y   SEGMENT      X       Y   SEGMENT      X       Y   SEGMENT      X       Y

            1      100.   680.0     1       250.   620.0     1       700.   600.0     1      1100.   599.5     1      1750.   598.8
            1     1780.   594.0     1      2040.   594.0     1      2530.   604.0     1      2600.   604.0     2      2681.   581.3
            2     2769.   574.0     2      2794.   572.2     2      3077.   574.5     2      3406.   574.6     2      3469.   573.7
            2     3600.   576.0     2      3700.   604.0     2      4075.   604.0     2      4275.   599.0     2      4370.   576.0
            2     4410.   574.7     2      4600.   573.4     2      4830.   574.0     2      4920.   576.0     2      5000.   604.0
            3     5190.   604.0     3      5425.   599.0     3      6290.   599.0     3      7025.   594.0     3      8400.   595.5
            3     8401.   680.0

                                   EACH SEGMENT HAS A CONSTANT  N

                                           1       0.075
                                           2       0.021
                                           3       0.075

    H= 525.00                          AREA                 K      % K        B        WP    R      R2/3      N       RP23    NP

                  SEGMENT  1             0                 0.      0.         0         0   0.00    0.00  0.075
                  SEGMENT  2             0                 0.      0.         0         0   0.00    0.00  0.021
                  SEGMENT  3             0                 0.      0.         0         0   0.00    0.00  0.075

    TOTALTRM      401.57                0                  0.                 0         0   0.00    0.00  0.021     0.000  0.000

    H= 530.00                          AREA                 K      % K        B        WP    R      R2/3      N       RP23    NP

                  SEGMENT  1             0                 0.      0.         0         0   0.00    0.00  0.075
                  SEGMENT  2             0                 0.      0.         0         0   0.00    0.00  0.021
                  SEGMENT  3             0                 0.      0.         0         0   0.00    0.00  0.075

    TOTALTRM      401.57                0                  0.                 0         0   0.00    0.00  0.021     0.000  0.000

    H= 535.00                          AREA                 K      % K        B        WP    R      R2/3      N       RP23    NP

                  SEGMENT  1             0                 0.      0.         0         0   0.00    0.00  0.075
                  SEGMENT  2             0                 0.      0.         0         0   0.00    0.00  0.021
                  SEGMENT  3             0                 0.      0.         0         0   0.00    0.00  0.075

    TOTALTRM      401.57                0                  0.                 0         0   0.00    0.00  0.021     0.000  0.000

    H= 540.00                          AREA                 K      % K        B        WP    R      R2/3      N       RP23    NP
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	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.021		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.075		
TOTALTRM	401.57	0	0.		0	0	0.00	0.00	0.021	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.021		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.075		
TOTALTRM	401.57	0	0.		0	0	0.00	0.00	0.021	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.021		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.075		
TOTALTRM	401.57	0	0.		0	0	0.00	0.00	0.021	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.021		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.075		
TOTALTRM	401.57	0	0.		0	0	0.00	0.00	0.021	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.021		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.075		
TOTALTRM	401.57	0	0.		0	0	0.00	0.00	0.021	0.000	0.000
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.021		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.075		

TOTALTRM	401.57	0	0.		0	0	0.00	0.00	0.021	0.000	0.000
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.021		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.075		
TOTALTRM	401.57	0	0.		0	0	0.00	0.00	0.021	0.000	0.000
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	1273	90989.	100.	1260	1260	1.01	1.01	0.021		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.075		
TOTALTRM	401.57	1273	90989.		1260	1260	1.01	1.01	0.021	1.007	0.021
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	8407	1884290.	100.	1495	1497	5.61	3.16	0.021		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.075		
TOTALTRM	401.57	8407	1884290.		1495	1497	5.61	3.16	0.021	3.159	0.021
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	24	713.	0.	13	13	1.78	1.47	0.075		
	SEGMENT 2	16085	5387746.	100.	1564	1568	10.26	4.72	0.021		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.075		
TOTALTRM	401.57	16110	5388460.		1577	1582	10.24	4.71	0.021	4.698	0.021
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	135	6971.	0.	31	32	4.19	2.60	0.075		
	SEGMENT 2	24037	10284912.	100.	1616	1623	14.81	6.03	0.021		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.075		
TOTALTRM	401.57	24172	10291883.		1647	1655	14.70	6.00	0.021	5.975	0.021

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	622	17617.	0.	364	366	1.70	1.42	0.075		
	SEGMENT 2	32253	16420204.	100.	1669	1678	19.22	7.18	0.021		
	SEGMENT 3	531	6656.	0.	1063	1063	0.50	0.63	0.075		
TOTALTRM	401.57	33408	16444477.		3097	3107	18.27	6.94	0.021	4.871	0.015

H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3826	130369.	1.	1700	1703	2.25	1.71	0.075		
	SEGMENT 2	40751	23410822.	97.	1758	1768	23.04	8.10	0.021		
	SEGMENT 3	10679	491781.	2.	3022	3026	3.53	2.32	0.075		
TOTALTRM	401.57	55258	24032972.		6481	6499	15.18	6.13	0.021	4.166	0.014

H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	13312	906652.	3.	2093	2097	6.35	3.43	0.075		
	SEGMENT 2	50665	26573858.	90.	2509	2520	20.10	7.39	0.021		
	SEGMENT 3	26354	2126563.	7.	3210	3219	8.19	4.06	0.075		
TOTALTRM	401.57	90331	29607074.		7812	7837	9.93	4.62	0.021	5.103	0.023

H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	24060	2348215.	5.	2206	2209	10.89	4.91	0.075		
	SEGMENT 2	63210	38422252.	85.	2509	2520	25.07	8.57	0.021		
	SEGMENT 3	42404	4693592.	10.	3210	3224	13.15	5.57	0.075		
TOTALTRM	401.57	129676	45464060.		7925	7955	10.98	4.94	0.021	6.430	0.027

H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	35372	4317812.	7.	2318	2322	15.23	6.14	0.075		
	SEGMENT 2	75755	51954656.	81.	2509	2520	30.05	9.67	0.021		
	SEGMENT 3	58456	8005900.	12.	3210	3229	18.10	6.89	0.075		
TOTALTRM	401.57	169583	64278368.		8037	8072	12.35	5.34	0.021	7.614	0.030

H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	47245	6777342.	8.	2431	2435	19.40	7.22	0.075		
	SEGMENT 2	88300	67071720.	78.	2509	2520	35.03	10.71	0.021		

	SEGMENT	3	74507	11983357.	14.	3210	3234	23.03	8.10	0.075		
TOTALTRM	401.57		210053	85832424.		8150	8190	13.82	5.76	0.021	8.697	0.032
H= 625.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	59432	9898257.	9.	2443	2448	24.27	8.38	0.075		
	SEGMENT	2	100845	83694144.	76.	2509	2520	40.00	11.70	0.021		
	SEGMENT	3	90558	16571114.	15.	3210	3239	27.95	9.21	0.075		
TOTALTRM	401.57		250836	110163512.		8162	8208	15.40	6.19	0.021	9.775	0.033
H= 630.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	71680	13477455.	10.	2456	2461	29.12	9.46	0.075		
	SEGMENT	2	113390	101756448.	74.	2509	2520	44.98	12.65	0.021		
	SEGMENT	3	106610	21728106.	16.	3210	3244	32.86	10.26	0.075		
TOTALTRM	401.57		291682	136962016.		8175	8227	17.02	6.62	0.021	10.793	0.034
H= 635.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	83992	17488576.	11.	2468	2475	33.93	10.48	0.075		
	SEGMENT	2	125935	121203304.	73.	2509	2520	49.96	13.56	0.021		
	SEGMENT	3	122662	27421842.	17.	3210	3249	37.75	11.25	0.075		
TOTALTRM	401.57		332590	166113728.		8187	8245	18.68	7.04	0.021	11.763	0.035
H= 640.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	96365	21910816.	11.	2481	2488	38.72	11.44	0.075		
	SEGMENT	2	138480	141986992.	72.	2509	2520	54.93	14.45	0.021		
	SEGMENT	3	138715	33625628.	17.	3210	3254	42.62	12.20	0.075		
TOTALTRM	401.57		373561	197523440.		8200	8264	20.34	7.45	0.021	12.691	0.036
H= 645.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	108802	26727208.	12.	2493	2502	43.48	12.36	0.075		
	SEGMENT	2	151025	164065776.	71.	2509	2520	59.91	15.31	0.021		
	SEGMENT	3	154768	40316936.	17.	3210	3259	47.48	13.11	0.075		
TOTALTRM	401.57		414595	231109920.		8213	8282	22.02	7.86	0.021	13.584	0.036

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	121300	31923538.	12.	2506	2515	48.22	13.25	0.075		
	SEGMENT 2	163570	187402688.	70.	2509	2520	64.89	16.15	0.021		
	SEGMENT 3	170821	47476360.	18.	3210	3264	52.33	13.99	0.075		
TOTALTRM	401.57	455692	266802592.		8225	8301	23.70	8.25	0.021	14.446	0.037

H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	133862	37487696.	12.	2518	2529	52.92	14.10	0.075		
	SEGMENT 2	176115	211964672.	70.	2509	2520	69.86	16.96	0.021		
	SEGMENT 3	186874	55086900.	18.	3210	3269	57.16	14.84	0.075		
TOTALTRM	401.57	496852	304539264.		8238	8319	25.39	8.64	0.021	15.281	0.037

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	146485	43409196.	13.	2531	2542	57.61	14.92	0.075		
	SEGMENT 2	188660	237721872.	69.	2509	2520	74.84	17.76	0.021		
	SEGMENT 3	202928	63133460.	18.	3210	3274	61.97	15.66	0.075		
TOTALTRM	401.57	538074	344264544.		8250	8338	27.08	9.02	0.021	16.091	0.037

H= 665.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	159172	49678860.	13.	2543	2556	62.27	15.71	0.075		
	SEGMENT 2	201205	264647168.	69.	2509	2520	79.82	18.54	0.021		
	SEGMENT 3	218982	71602528.	19.	3210	3279	66.77	16.46	0.075		
TOTALTRM	401.57	579359	385928576.		8263	8356	28.77	9.39	0.021	16.879	0.038

H= 670.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	171920	56288556.	13.	2556	2569	66.90	16.48	0.075		
	SEGMENT 2	213750	292715744.	68.	2509	2520	84.79	19.30	0.021		
	SEGMENT 3	235036	80481848.	19.	3210	3284	71.56	17.24	0.075		
TOTALTRM	401.57	620707	429486144.		8275	8375	30.45	9.75	0.021	17.647	0.038

H= 675.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	184732	63231020.	13.	2568	2583	71.51	17.23	0.075		

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                SEGMENT  2        226295       321904736.     68.     2509     2520  89.77  20.05  0.021
                SEGMENT  3        251091        89760240.     19.     3210     3289  76.33  17.99  0.075

    TOTALTRM    401.57           662118       474896000.             8288     8393  32.14  10.11  0.021   18.396  0.038


    H= 680.00                      AREA              K     % K       B       WP     R     R2/3      N      RP23   NP

                SEGMENT  1        197605        70499736.     14.     2581     2596  76.10  17.96  0.075
                SEGMENT  2        238840       352193088.     67.     2509     2520  94.75  20.78  0.021
                SEGMENT  3        267146        99427472.     19.     3211     3294  81.09  18.73  0.075

    TOTALTRM    401.57           703592       522120256.             8301     8412  33.82  10.46  0.021   19.128  0.038
1    SECTION   13          33 POINTS OF COORDINATES          36 ELEVATIONS COMPUTED

        SEGMENT    X      Y   SEGMENT    X      Y   SEGMENT    X      Y   SEGMENT    X      Y   SEGMENT    X      Y

            1     100.  680.0    1     500.  660.0    1    1400.  640.0    1    1550.  630.0    1    2050.  630.0
            1    2200.  640.0    1    2700.  660.0    1    2900.  680.0    2    2950.  620.0    2    3025.  594.0
            2    3540.  594.0    2    4330.  599.0    2    4400.  594.0    3    4463.  572.2    3    4550.  571.2
            3    4720.  568.4    3    4810.  569.2    3    4940.  571.0    3    5010.  569.4    3    5100.  567.4
            3    5293.  564.1    3    5400.  567.2    3    5510.  569.0    3    5653.  575.0    3    5850.  599.0
            4    6450.  599.0    4    6820.  594.0    4    7820.  594.0    4    7975.  599.0    5    8060.  600.0
            5    8320.  620.0    5    8675.  657.5    5    8850.  680.0

                              EACH SEGMENT HAS A CONSTANT  N

                                    1      0.100
                                    2      0.060
                                    3      0.033
                                    4      0.060
                                    5      0.100


    H= 525.00                      AREA              K     % K       B       WP     R     R2/3      N      RP23   NP

                SEGMENT  1             0              0.      0.       0        0  0.00   0.00   0.100
                SEGMENT  2             0              0.      0.       0        0  0.00   0.00   0.060
                SEGMENT  3             0              0.      0.       0        0  0.00   0.00   0.033
                SEGMENT  4             0              0.      0.       0        0  0.00   0.00   0.060
                SEGMENT  5             0              0.      0.       0        0  0.00   0.00   0.100

    TOTALTRM    399.47                 0              0.              0        0  0.00   0.00   0.033   0.000  0.000


    H= 530.00                      AREA              K     % K       B       WP     R     R2/3      N      RP23   NP

                SEGMENT  1             0              0.      0.       0        0  0.00   0.00   0.100
                SEGMENT  2             0              0.      0.       0        0  0.00   0.00   0.060
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	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.033		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	399.47	0	0.		0	0	0.00	0.00	0.033	0.000	0.000
H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.033		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	399.47	0	0.		0	0	0.00	0.00	0.033	0.000	0.000
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.033		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	399.47	0	0.		0	0	0.00	0.00	0.033	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.033		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	399.47	0	0.		0	0	0.00	0.00	0.033	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.033		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	399.47	0	0.		0	0	0.00	0.00	0.033	0.000	0.000

H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.033		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	399.47	0	0.		0	0	0.00	0.00	0.033	0.000	0.000

H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.033		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	399.47	0	0.		0	0	0.00	0.00	0.033	0.000	0.000

H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 3	37	999.	100.	83	83	0.45	0.59	0.033		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	399.47	37	999.		83	83	0.45	0.59	0.033	0.587	0.033

H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 3	1867	148958.	100.	795	795	2.35	1.77	0.033		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	399.47	1867	148958.		795	795	2.35	1.77	0.033	1.767	0.033

H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		

	SEGMENT 2	11	339.	0.	8	8	1.32	1.21	0.060		
	SEGMENT 3	7269	1096743.	100.	1190	1190	6.11	3.34	0.033		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	399.47	7281	1097082.		1198	1198	6.10	3.34	0.033	3.329	0.033
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	87	5209.	0.	22	23	3.69	2.39	0.060		
	SEGMENT 3	13322	2942068.	100.	1231	1231	10.82	4.89	0.033		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	399.47	13410	2947276.		1253	1255	10.74	4.87	0.033	4.850	0.033
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	236	19516.	0.	36	39	6.05	3.32	0.060		
	SEGMENT 3	19580	5467867.	100.	1272	1272	15.38	6.18	0.033		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	399.47	19816	5487383.		1309	1312	15.19	6.13	0.033	6.111	0.033
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	457	47020.	1.	51	54	8.41	4.14	0.060		
	SEGMENT 3	26043	8610462.	99.	1313	1314	19.81	7.32	0.033		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	399.47	26501	8657482.		1364	1368	19.46	7.24	0.033	7.211	0.033
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	1352	49443.	0.	752	756	1.79	1.47	0.060		
	SEGMENT 3	32711	12332965.	99.	1354	1355	24.13	8.35	0.033		
	SEGMENT 4	1052	25302.	0.	1105	1105	0.95	0.97	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		

TOTALTRM	399.47	35116	12407709.		3212	3217	21.89	7.83	0.033	4.921	0.021
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	7216	519982.	4.	1455	1460	4.94	2.90	0.060		
	SEGMENT 3	40180	13458051.	93.	1987	1988	20.20	7.42	0.033		
	SEGMENT 4	7880	564079.	4.	1610	1610	4.89	2.88	0.060		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	399.47	55277	14542112.		5052	5059	14.06	5.83	0.033	4.924	0.028
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	14529	1657641.	7.	1469	1475	9.85	4.59	0.060		
	SEGMENT 3	50115	19449530.	85.	1987	1988	25.20	8.60	0.033		
	SEGMENT 4	15930	1823150.	8.	1610	1610	9.89	4.61	0.060		
	SEGMENT 5	162	4451.	0.	65	65	2.49	1.84	0.100		
TOTALTRM	399.47	80737	22934772.		5131	5139	15.78	6.29	0.033	6.273	0.033
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	21913	3265681.	10.	1484	1490	14.70	6.00	0.060		
	SEGMENT 3	60050	26291538.	79.	1987	1988	30.20	9.70	0.033		
	SEGMENT 4	23980	3604775.	11.	1610	1610	14.89	6.05	0.060		
	SEGMENT 5	650	28263.	0.	130	130	4.99	2.92	0.100		
TOTALTRM	399.47	106594	33190258.		5211	5219	18.11	6.90	0.033	7.472	0.036
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	29370	5284641.	12.	1498	1505	19.50	7.25	0.060		
	SEGMENT 3	69985	33933964.	75.	1987	1988	35.19	10.74	0.033		
	SEGMENT 4	32030	5839707.	13.	1610	1610	19.89	7.34	0.060		
	SEGMENT 5	1462	83330.	0.	195	195	7.48	3.82	0.100		
TOTALTRM	399.47	132849	45141644.		5290	5300	20.65	7.53	0.033	8.565	0.037
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	36899	7678474.	13.	1513	1521	24.26	8.38	0.060		
	SEGMENT 3	79920	42336772.	72.	1987	1988	40.19	11.73	0.033		
	SEGMENT 4	40080	8485466.	14.	1610	1610	24.89	8.53	0.060		
	SEGMENT 5	2600	179462.	0.	260	260	9.97	4.63	0.100		
TOTALTRM	399.47	159500	58680176.		5370	5380	23.26	8.15	0.033	9.579	0.039
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	10	212.	0.	4	6	1.60	1.37	0.100		
	SEGMENT 2	44464	10477617.	14.	1513	1521	29.23	9.49	0.060		
	SEGMENT 3	89855	51466920.	70.	1987	1988	45.18	12.69	0.033		
	SEGMENT 4	48130	11512137.	16.	1610	1610	29.89	9.63	0.060		
	SEGMENT 5	4018	331553.	0.	307	308	13.03	5.54	0.100		
TOTALTRM	399.47	186479	73788440.		5421	5434	25.94	8.76	0.033	10.560	0.040
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	41	1348.	0.	8	13	3.20	2.17	0.100		
	SEGMENT 2	52029	13614106.	15.	1513	1521	34.20	10.54	0.060		
	SEGMENT 3	99790	61296476.	68.	1987	1988	50.18	13.60	0.033		
	SEGMENT 4	56180	14897009.	16.	1610	1610	34.89	10.68	0.060		
	SEGMENT 5	5673	535363.	1.	354	355	15.94	6.33	0.100		
TOTALTRM	399.47	213715	90344296.		5473	5489	28.65	9.36	0.033	11.489	0.040
H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2968	119349.	0.	662	669	4.43	2.70	0.100		
	SEGMENT 2	59594	17070634.	16.	1513	1521	39.18	11.53	0.060		
	SEGMENT 3	109725	71801352.	66.	1987	1988	55.17	14.49	0.033		
	SEGMENT 4	64230	18621988.	17.	1610	1610	39.89	11.67	0.060		
	SEGMENT 5	7565	795421.	1.	402	403	18.75	7.06	0.100		
TOTALTRM	399.47	244084	108408752.		6174	6193	30.85	9.84	0.033	11.582	0.039
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6666	399456.	0.	816	826	8.06	4.02	0.100		
	SEGMENT 2	67159	20832986.	16.	1513	1521	44.15	12.49	0.060		
	SEGMENT 3	119660	82960472.	65.	1987	1988	60.17	15.35	0.033		
	SEGMENT 4	72280	22672170.	18.	1610	1610	44.89	12.63	0.060		
	SEGMENT 5	9693	1116240.	1.	449	451	21.49	7.73	0.100		

TOTALTRM	399.47	275460	127981320.		6376	6397	33.01	10.29	0.033	12.286	0.039
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	11635	795690.	1.	1170	1183	9.83	4.59	0.100		
	SEGMENT 2	74724	24889180.	17.	1513	1521	49.12	13.41	0.060		
	SEGMENT 3	129595	94755168.	64.	1987	1988	65.16	16.19	0.033		
	SEGMENT 4	80330	27034964.	18.	1610	1610	49.89	13.55	0.060		
	SEGMENT 5	12058	1502250.	1.	496	498	24.18	8.36	0.100		
TOTALTRM	399.47	308344	148977264.		6777	6802	35.00	10.70	0.033	12.715	0.039
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	18375	1429594.	1.	1525	1540	11.93	5.22	0.100		
	SEGMENT 2	82289	29228918.	17.	1513	1521	54.09	14.30	0.060		
	SEGMENT 3	139530	107168760.	62.	1987	1988	70.16	17.01	0.033		
	SEGMENT 4	88380	31699532.	18.	1610	1610	54.89	14.44	0.060		
	SEGMENT 5	14660	1957777.	1.	544	546	26.83	8.96	0.100		
TOTALTRM	399.47	343235	171484592.		7179	7206	36.81	11.07	0.033	13.141	0.039
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	26885	2346297.	1.	1879	1896	14.17	5.86	0.100		
	SEGMENT 2	89854	33843216.	17.	1513	1521	59.07	15.17	0.060		
	SEGMENT 3	149465	120186160.	61.	1987	1988	75.16	17.81	0.033		
	SEGMENT 4	96430	36656400.	19.	1610	1610	59.89	15.31	0.060		
	SEGMENT 5	17498	2487044.	1.	591	593	29.46	9.54	0.100		
TOTALTRM	399.47	380134	195519104.		7580	7610	38.45	11.39	0.033	13.564	0.039
H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	37166	3588302.	2.	2233	2253	16.49	6.48	0.100		
	SEGMENT 2	97419	38724124.	18.	1513	1521	64.04	16.01	0.060		
	SEGMENT 3	159400	133793672.	61.	1987	1988	80.15	18.59	0.033		
	SEGMENT 4	104480	41897180.	19.	1610	1610	64.89	16.15	0.060		
	SEGMENT 5	20568	3106400.	1.	634	637	32.27	10.14	0.100		
TOTALTRM	399.47	419035	221109680.		7977	8010	39.95	11.69	0.033	13.989	0.039
H= 665.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	48718	5386497.	2.	2387	2410	20.21	7.42	0.100			
	SEGMENT 2	104984	43864544.	18.	1513	1521	69.01	16.82	0.060			
	SEGMENT 3	169335	147978752.	60.	1987	1988	85.15	19.35	0.033			
	SEGMENT 4	112530	47414380.	19.	1610	1610	69.89	16.97	0.060			
	SEGMENT 5	23837	3817256.	2.	673	676	35.23	10.75	0.100			
TOTALTRM	399.47	459406	248461440.		8170	8206	41.46	11.98	0.033	14.635	0.040	

H= 670.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	61041	7520833.	3.	2541	2567	23.78	8.27	0.100		
	SEGMENT 2	112549	49258084.	18.	1513	1521	73.99	17.62	0.060		
	SEGMENT 3	179270	162729888.	59.	1987	1988	90.14	20.10	0.033		
	SEGMENT 4	120580	53201228.	19.	1610	1610	74.89	17.77	0.060		
	SEGMENT 5	27301	4609426.	2.	712	715	38.14	11.33	0.100		
TOTALTRM	399.47	500743	277319488.		8363	8403	42.96	12.27	0.033	15.259	0.041

H= 675.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	74135	9994412.	3.	2695	2724	27.22	9.05	0.100		
	SEGMENT 2	120114	54898928.	18.	1513	1521	78.96	18.40	0.060		
	SEGMENT 3	189205	178036400.	58.	1987	1988	95.14	20.84	0.033		
	SEGMENT 4	128630	59251584.	19.	1610	1610	79.89	18.55	0.060		
	SEGMENT 5	30959	5485630.	2.	751	754	41.01	11.89	0.100		
TOTALTRM	399.47	543045	307666976.		8556	8599	44.45	12.55	0.033	15.860	0.042

H= 680.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	88000	12812676.	4.	2850	2880	30.55	9.77	0.100		
	SEGMENT 2	127679	60781772.	18.	1513	1521	83.93	19.17	0.060		
	SEGMENT 3	199140	193888400.	57.	1987	1988	100.13	21.56	0.033		
	SEGMENT 4	136680	65559828.	19.	1610	1610	84.89	19.32	0.060		
	SEGMENT 5	34812	6448584.	2.	790	794	43.83	12.43	0.100		
TOTALTRM	399.47	586313	339491264.		8750	8795	45.92	12.82	0.033	16.443	0.042

1 SECTION 14 31 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	10.	660.0	1	200.	640.0	1	350.	620.0	1	600.	600.0	1	1270.	589.0
1	1880.	594.3	1	2210.	594.3	1	2380.	599.2	1	2720.	599.2	2	2760.	579.0
2	2780.	573.3	2	2800.	570.3	2	3160.	568.3	2	3270.	567.1	2	3400.	566.4
2	3647.	566.2	2	3920.	573.3	2	4010.	594.0	2	4020.	599.0	3	4050.	599.0

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      3     4120.  619.0    3     4150.  619.0    3     4200.  640.0    3     4300.  660.0    3     4475.  640.0
      3     5315.  620.0    3     5675.  610.0    3     8195.  610.0    3     8295.  620.0    3     8395.  640.0
      3     8495.  660.0

                    EACH SEGMENT HAS A CONSTANT  N

                            1       0.100
                            2       0.015
                            3       0.120

H= 525.00                    AREA          K     % K       B       WP    R      R2/3      N       RP23   NP

           SEGMENT  1           0          0.       0.      0        0   0.00   0.00  0.100
           SEGMENT  2           0          0.       0.      0        0   0.00   0.00  0.015
           SEGMENT  3           0          0.       0.      0        0   0.00   0.00  0.120

TOTALTRM   397.36              0           0.               0        0   0.00   0.00  0.015    0.000  0.000

H= 530.00                    AREA          K     % K       B       WP    R      R2/3      N       RP23   NP

           SEGMENT  1           0          0.       0.      0        0   0.00   0.00  0.100
           SEGMENT  2           0          0.       0.      0        0   0.00   0.00  0.015
           SEGMENT  3           0          0.       0.      0        0   0.00   0.00  0.120

TOTALTRM   397.36              0           0.               0        0   0.00   0.00  0.015    0.000  0.000

H= 535.00                    AREA          K     % K       B       WP    R      R2/3      N       RP23   NP

           SEGMENT  1           0          0.       0.      0        0   0.00   0.00  0.100
           SEGMENT  2           0          0.       0.      0        0   0.00   0.00  0.015
           SEGMENT  3           0          0.       0.      0        0   0.00   0.00  0.120

TOTALTRM   397.36              0           0.               0        0   0.00   0.00  0.015    0.000  0.000

H= 540.00                    AREA          K     % K       B       WP    R      R2/3      N       RP23   NP

           SEGMENT  1           0          0.       0.      0        0   0.00   0.00  0.100
           SEGMENT  2           0          0.       0.      0        0   0.00   0.00  0.015
           SEGMENT  3           0          0.       0.      0        0   0.00   0.00  0.120

TOTALTRM   397.36              0           0.               0        0   0.00   0.00  0.015    0.000  0.000

H= 545.00                    AREA          K     % K       B       WP    R      R2/3      N       RP23   NP
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	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.015		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	397.36	0	0.		0	0	0.00	0.00	0.015	0.000	0.000

H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.015		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	397.36	0	0.		0	0	0.00	0.00	0.015	0.000	0.000

H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.015		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	397.36	0	0.		0	0	0.00	0.00	0.015	0.000	0.000

H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.015		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	397.36	0	0.		0	0	0.00	0.00	0.015	0.000	0.000

H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.015		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	397.36	0	0.		0	0	0.00	0.00	0.015	0.000	0.000

H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	2127	364402.	100.	939	939	2.26	1.72	0.015		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		

TOTALTRM	397.36	2127	364402.		939	939	2.26	1.72	0.015	1.725	0.015
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	7585	2643554.	100.	1153	1154	6.57	3.51	0.015		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	397.36	7585	2643554.		1153	1154	6.57	3.51	0.015	3.509	0.015
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	9.	0.	1	2	0.45	0.58	0.100		
	SEGMENT 2	13448	6723448.	100.	1189	1191	11.29	5.03	0.015		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	397.36	13449	6723456.		1191	1193	11.29	5.03	0.015	5.027	0.015
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	35	1024.	0.	11	13	2.68	1.93	0.100		
	SEGMENT 2	19448	12281300.	100.	1210	1213	16.03	6.36	0.015		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	397.36	19483	12282324.		1222	1226	15.99	6.35	0.015	6.319	0.015
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	207	3172.	0.	197	200	1.04	1.02	0.100		
	SEGMENT 2	25556	19128628.	100.	1232	1235	20.68	7.53	0.015		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	397.36	25764	19131800.		1430	1436	20.44	7.48	0.015	6.854	0.014
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3632	103938.	0.	1361	1365	2.66	1.92	0.100		
	SEGMENT 2	31773	27202078.	100.	1252	1255	25.30	8.62	0.015		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	397.36	35405	27306016.		2613	2621	21.63	7.76	0.015	5.672	0.011
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	11920	553786.	2.	2160	2164	5.51	3.12	0.100		
	SEGMENT 2	38087	36054224.	98.	1290	1294	29.42	9.53	0.015		
	SEGMENT 3	1	13.	0.	3	3	0.48	0.61	0.120		
TOTALTRM	397.36	50008	36608024.		3453	3463	20.01	7.37	0.015	5.930	0.012
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	22876	1610364.	3.	2222	2227	10.27	4.72	0.100		
	SEGMENT 2	44537	46794636.	97.	1290	1294	34.40	10.58	0.015		
	SEGMENT 3	63	1585.	0.	21	21	2.88	2.03	0.120		
TOTALTRM	397.36	67476	48406584.		3533	3544	19.41	7.22	0.015	7.131	0.015
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	34145	3081707.	5.	2285	2290	14.91	6.06	0.100		
	SEGMENT 2	50987	58626404.	95.	1290	1294	39.38	11.58	0.015		
	SEGMENT 3	211	7981.	0.	38	40	5.29	3.04	0.120		
TOTALTRM	397.36	85343	61716092.		3613	3625	19.64	7.28	0.015	8.215	0.017
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	45726	4924583.	6.	2347	2353	19.43	7.23	0.100		
	SEGMENT 2	57437	71501224.	93.	1290	1294	44.36	12.53	0.015		
	SEGMENT 3	13623	484697.	1.	2806	2808	4.85	2.87	0.120		
TOTALTRM	397.36	116786	76910504.		6443	6456	17.07	6.63	0.015	6.892	0.016
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	57620	7113803.	8.	2410	2415	23.85	8.29	0.100		
	SEGMENT 2	63887	85378376.	91.	1290	1294	49.35	13.45	0.015		
	SEGMENT 3	28301	1539620.	2.	3082	3086	9.17	4.38	0.120		
TOTALTRM	397.36	149808	94031800.		6782	6796	15.88	6.32	0.015	7.862	0.019
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	69763	9683457.	9.	2447	2453	28.43	9.32	0.100		
	SEGMENT 2	70337	100222832.	89.	1290	1294	54.33	14.34	0.015		
	SEGMENT 3	44330	3089022.	3.	3329	3334	13.29	5.61	0.120		

TOTALTRM	397.36	184431	112995312.		7066	7082	15.32	6.17	0.015	8.786	0.021
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	82095	12572215.	9.	2485	2491	32.95	10.28	0.100		
	SEGMENT 2	76787	116004000.	87.	1290	1294	59.31	15.21	0.015		
	SEGMENT 3	61594	5094194.	4.	3576	3582	17.19	6.66	0.120		
TOTALTRM	397.36	220476	133670408.		7351	7369	15.08	6.10	0.015	9.639	0.024
H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	94613	15768039.	10.	2522	2529	37.41	11.19	0.100		
	SEGMENT 2	83237	132694848.	85.	1290	1294	64.29	16.05	0.015		
	SEGMENT 3	80092	7546566.	5.	3823	3831	20.90	7.59	0.120		
TOTALTRM	397.36	257943	156009440.		7635	7655	15.02	6.09	0.015	10.433	0.026
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	107320	19261486.	11.	2560	2567	41.81	12.05	0.100		
	SEGMENT 2	89687	150271200.	83.	1290	1294	69.27	16.87	0.015		
	SEGMENT 3	99825	10446522.	6.	4070	4079	24.47	8.43	0.120		
TOTALTRM	397.36	296832	179979200.		7920	7941	15.08	6.10	0.015	11.180	0.027
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	120238	22994578.	11.	2607	2614	45.98	12.83	0.100		
	SEGMENT 2	96137	168711280.	82.	1290	1294	74.26	17.67	0.015		
	SEGMENT 3	120409	14060711.	7.	4163	4174	28.84	9.40	0.120		
TOTALTRM	397.36	336785	205766560.		8061	8084	15.25	6.15	0.015	12.019	0.029
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	133395	27011160.	12.	2655	2662	50.10	13.59	0.100		
	SEGMENT 2	102587	187995296.	81.	1290	1294	79.24	18.45	0.015		
	SEGMENT 3	141462	18118666.	8.	4257	4269	33.13	10.32	0.120		
TOTALTRM	397.36	377444	233125120.		8202	8227	15.50	6.22	0.015	12.817	0.031

H= 655.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	146788	31307692.	12.	2702	2710	54.16	14.31	0.100		
	SEGMENT	2	109037	208105168.	79.	1290	1294	84.22	19.21	0.015		
	SEGMENT	3	162984	22607956.	9.	4351	4364	37.34	11.17	0.120		
TOTALTRM	397.36		418810	262020816.		8343	8370	15.81	6.30	0.015	13.581	0.032

H= 660.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	160420	35881424.	12.	2750	2758	58.16	15.01	0.100		
	SEGMENT	2	115487	229024256.	78.	1290	1294	89.20	19.96	0.015		
	SEGMENT	3	184975	27519318.	9.	4445	4459	41.47	11.98	0.120		
TOTALTRM	397.36		460882	292424992.		8485	8512	16.14	6.39	0.015	14.313	0.034

1 SECTION 15 28 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	50.	660.0	1	80.	619.0	1	175.	590.0	2	230.	572.0	2	300.	567.5
2	350.	567.0	2	500.	561.0	2	700.	558.5	2	945.	558.5	2	1025.	561.0
2	1150.	563.0	2	1250.	589.5	2	1290.	594.2	3	1310.	599.5	3	1860.	599.5
3	1930.	594.2	3	2460.	594.2	3	2640.	599.2	3	2660.	604.2	4	3120.	640.0
4	3300.	660.0	4	3475.	640.0	4	4315.	620.0	4	4675.	610.0	4	7195.	610.0
4	7295.	620.0	4	7395.	640.0	4	7495.	660.0						

EACH SEGMENT HAS A CONSTANT N

1	0.100
2	0.029
3	0.050
4	0.100

H= 525.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT	2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26		0	0.		0	0	0.00	0.00	0.029	0.000	0.000

H= 530.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT	2	0	0.	0.	0	0	0.00	0.00	0.029		

	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26	0	0.		0	0	0.00	0.00	0.029	0.000	0.000
H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26	0	0.		0	0	0.00	0.00	0.029	0.000	0.000
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26	0	0.		0	0	0.00	0.00	0.029	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26	0	0.		0	0	0.00	0.00	0.029	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26	0	0.		0	0	0.00	0.00	0.029	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		

	SEGMENT	2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26		0	0.		0	0	0.00	0.00	0.029	0.000	0.000
H= 560.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT	2	493	28550.	100.	413	413	1.19	1.13	0.029		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26		493	28550.		413	413	1.19	1.13	0.029	1.126	0.029
H= 565.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT	2	3645	533576.	100.	757	757	4.81	2.85	0.029		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26		3645	533576.		757	757	4.81	2.85	0.029	2.849	0.029
H= 570.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT	2	7866	1694205.	100.	915	916	8.58	4.19	0.029		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26		7866	1694205.		915	916	8.58	4.19	0.029	4.192	0.029
H= 575.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	13	260.	0.	9	9	1.43	1.27	0.100		
	SEGMENT	2	12614	3590997.	100.	965	967	13.04	5.54	0.029		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26		12627	3591257.		974	976	13.02	5.54	0.029	5.509	0.029
H= 580.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	97	3549.	0.	24	25	3.80	2.44	0.100		
	SEGMENT 2	17487	6107854.	100.	984	986	17.72	6.80	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26	17585	6111402.		1008	1012	17.59	6.76	0.029	6.708	0.029
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	258	12952.	0.	39	41	6.18	3.37	0.100		
	SEGMENT 2	22455	9145420.	100.	1003	1006	22.32	7.93	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26	22713	9158372.		1042	1048	21.98	7.85	0.029	7.774	0.029
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	495	30848.	0.	55	57	8.55	4.18	0.100		
	SEGMENT 2	27518	12651686.	100.	1024	1028	26.77	8.95	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.050		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26	28013	12682534.		1079	1085	26.16	8.81	0.029	8.731	0.029
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	810	59086.	0.	71	74	10.81	4.89	0.100		
	SEGMENT 2	32744	16489077.	100.	1063	1067	30.68	9.80	0.029		
	SEGMENT 3	439	11030.	0.	569	569	0.77	0.84	0.050		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26	33995	16559193.		1703	1711	29.19	9.48	0.029	7.335	0.022
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1208	100200.	0.	87	92	13.12	5.56	0.100		
	SEGMENT 2	38106	21000632.	98.	1080	1084	35.13	10.73	0.029		
	SEGMENT 3	4164	265170.	1.	1333	1333	3.12	2.14	0.050		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26	43480	21366002.		2500	2510	29.58	9.56	0.029	6.695	0.020
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	1688	156110.	1.	104	109	15.46	6.20	0.100		
	SEGMENT 2	43506	26191328.	95.	1080	1084	40.11	11.72	0.029		
	SEGMENT 3	10883	1296852.	5.	1360	1361	8.00	4.00	0.050		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26	56078	27644290.		2544	2555	29.72	9.59	0.029	7.840	0.024
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2250	228618.	1.	120	126	17.81	6.82	0.100		
	SEGMENT 2	48906	31830606.	91.	1080	1084	45.09	12.67	0.029		
	SEGMENT 3	17845	2867013.	8.	1424	1425	12.52	5.39	0.050		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	395.26	69002	34926236.		2625	2636	30.92	9.85	0.029	8.815	0.026
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2893	319433.	1.	136	143	20.17	7.41	0.100		
	SEGMENT 2	54306	37901260.	87.	1080	1084	50.06	13.58	0.029		
	SEGMENT 3	25128	4924534.	11.	1488	1490	16.86	6.58	0.050		
	SEGMENT 4	13175	557847.	1.	2750	2750	4.79	2.84	0.100		
TOTALTRM	395.26	95504	43703076.		5455	5468	26.58	8.91	0.029	6.732	0.022
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3617	433879.	1.	150	158	22.83	8.05	0.100		
	SEGMENT 2	59706	44388448.	82.	1080	1084	55.04	14.47	0.029		
	SEGMENT 3	32733	7438230.	14.	1553	1554	21.06	7.63	0.050		
	SEGMENT 4	27500	1802470.	3.	2980	2980	9.23	4.40	0.100		
TOTALTRM	395.26	123557	54063028.		5763	5778	24.85	8.52	0.029	7.705	0.026
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	4380	581759.	1.	154	164	26.61	8.91	0.100		
	SEGMENT 2	65106	51279196.	78.	1080	1084	60.02	15.33	0.029		
	SEGMENT 3	40659	10390930.	16.	1617	1618	25.11	8.58	0.050		
	SEGMENT 4	42987	3607408.	5.	3215	3216	13.37	5.63	0.100		
TOTALTRM	395.26	153133	65859288.		6066	6084	24.22	8.37	0.029	8.589	0.030

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	5161	746123.	1.	158	170	30.22	9.70	0.100		
	SEGMENT 2	70506	58561996.	74.	1080	1084	65.00	16.17	0.029		
	SEGMENT 3	48905	13772988.	17.	1681	1683	29.05	9.45	0.050		
	SEGMENT 4	59650	5940793.	8.	3450	3451	17.28	6.68	0.100		
TOTALTRM	395.26	184224	79021896.		6369	6390	24.12	8.35	0.029	9.403	0.033

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	5961	926224.	1.	161	177	33.67	10.43	0.100		
	SEGMENT 2	75906	66226564.	71.	1080	1084	69.98	16.98	0.029		
	SEGMENT 3	57474	17579348.	19.	1745	1747	32.88	10.26	0.050		
	SEGMENT 4	77487	8792248.	9.	3685	3687	21.01	7.62	0.100		
TOTALTRM	395.26	216829	93524384.		6672	6696	24.32	8.39	0.029	10.160	0.035

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6778	1121495.	1.	165	183	37.00	11.10	0.100		
	SEGMENT 2	81306	74263616.	68.	1080	1084	74.95	17.78	0.029		
	SEGMENT 3	66363	21807974.	20.	1810	1812	36.62	11.03	0.050		
	SEGMENT 4	96500	12161773.	11.	3920	3922	24.60	8.46	0.100		
TOTALTRM	395.26	250948	109354856.		6975	7003	24.70	8.48	0.029	10.870	0.037

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	7614	1331504.	1.	169	189	40.20	11.74	0.100		
	SEGMENT 2	86706	82664688.	65.	1080	1084	79.93	18.56	0.029		
	SEGMENT 3	75413	26986612.	21.	1810	1812	41.61	12.01	0.050		
	SEGMENT 4	116384	16302619.	13.	4033	4037	28.82	9.40	0.100		
TOTALTRM	395.26	286119	127285416.		7092	7124	25.48	8.66	0.029	11.729	0.039

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8469	1555913.	1.	172	195	43.30	12.33	0.100		
	SEGMENT 2	92106	91422072.	62.	1080	1084	84.91	19.32	0.029		
	SEGMENT 3	84463	32597308.	22.	1810	1812	46.61	12.95	0.050		
	SEGMENT 4	136837	20956748.	14.	4147	4152	32.95	10.28	0.100		
TOTALTRM	395.26	321876	146532048.		7210	7245	26.37	8.86	0.029	12.545	0.041

H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	9341	1794467.	1.	176	201	46.29	12.89	0.100		
	SEGMENT 2	97506	100528664.	60.	1080	1084	89.89	20.07	0.029		
	SEGMENT 3	93513	38623992.	23.	1810	1812	51.60	13.86	0.050		
	SEGMENT 4	157859	26113780.	16.	4261	4267	36.99	11.10	0.100		
TOTALTRM	395.26	358221	167060896.		7327	7366	27.35	9.08	0.029	13.325	0.042

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	10232	2046968.	1.	180	208	49.19	13.43	0.100		
	SEGMENT 2	102906	109977864.	58.	1080	1084	94.87	20.80	0.029		
	SEGMENT 3	102563	45052756.	24.	1810	1812	56.59	14.74	0.050		
	SEGMENT 4	179450	31766666.	17.	4375	4382	40.95	11.88	0.100		
TOTALTRM	395.26	395152	188844256.		7445	7487	28.37	9.30	0.029	14.072	0.044

1 SECTION 16 41 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	90.	660.0	1	210.	628.0	1	220.	594.5	1	350.	594.5	2	404.	572.5
2	438.	566.3	2	540.	565.6	2	754.	565.6	2	900.	569.3	2	950.	569.8
2	996.	572.5	2	1100.	600.0	3	1140.	602.0	3	1340.	593.0	3	1350.	593.0
3	1660.	602.0	3	1900.	594.5	4	1970.	573.0	4	2300.	565.0	4	2590.	568.8
4	2640.	572.8	4	2710.	594.3	4	3540.	594.5	5	3700.	619.2	5	3750.	660.0
5	3850.	650.0	5	3970.	640.0	5	4430.	630.0	5	4530.	620.0	5	4830.	620.0
5	5150.	630.0	5	5850.	640.0	5	6110.	640.0	5	6200.	630.0	5	6310.	620.0
5	6550.	610.0	5	6900.	610.0	5	7210.	620.0	5	7370.	630.0	5	9450.	640.0
5	9450.	660.0												

EACH SEGMENT HAS A CONSTANT N

1	0.055
2	0.020
3	0.055
4	0.020
5	0.080

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		

TOTALTRM	393.16	0	0.		0	0	0.00	0.00	0.020	0.000	0.000
H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	0	0.		0	0	0.00	0.00	0.020	0.000	0.000
H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	0	0.		0	0	0.00	0.00	0.020	0.000	0.000
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	0	0.		0	0	0.00	0.00	0.020	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	0	0.		0	0	0.00	0.00	0.020	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 2	1787	297187.	59.	535	536	3.33	2.23	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.055		
	SEGMENT 4	1423	209887.	41.	511	511	2.78	1.98	0.020		

	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	3211	507074.		1046	1047	3.09	2.12	0.020	2.110	0.020
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	7	229.	0.	6	6	1.16	1.10	0.055		
	SEGMENT 2	4688	1371849.	53.	601	602	7.78	3.93	0.020		
	SEGMENT 3	6	171.	0.	6	6	0.96	0.97	0.055		
	SEGMENT 4	4546	1204913.	47.	677	677	6.71	3.56	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	9249	2577162.		1291	1293	7.23	3.74	0.020	3.712	0.020
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	69	4289.	0.	18	19	3.47	2.29	0.055		
	SEGMENT 2	7743	3098602.	51.	620	622	12.45	5.37	0.020		
	SEGMENT 3	79	4834.	0.	22	23	3.35	2.24	0.055		
	SEGMENT 4	7973	3022178.	49.	693	694	11.48	5.09	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	15865	6129902.		1355	1360	11.81	5.19	0.020	5.143	0.020
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	191	16747.	0.	30	33	5.79	3.22	0.055		
	SEGMENT 2	10892	5360378.	49.	639	641	16.98	6.61	0.020		
	SEGMENT 3	234	20349.	0.	39	40	5.74	3.20	0.055		
	SEGMENT 4	11481	5460374.	50.	709	711	16.13	6.38	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	22799	10857847.		1418	1427	16.16	6.39	0.020	6.343	0.020
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	375	41079.	0.	42	46	8.10	4.03	0.055		
	SEGMENT 2	14136	8112848.	49.	658	661	21.38	7.70	0.020		
	SEGMENT 3	470	51513.	0.	55	57	8.13	4.04	0.055		
	SEGMENT 4	15070	8458173.	51.	726	728	20.68	7.53	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	30053	16663612.		1482	1494	20.30	7.44	0.020	7.396	0.020

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	686	43923.	0.	184	188	3.63	2.36	0.055		
	SEGMENT 2	17474	11328747.	60.	677	680	25.67	8.70	0.020		
	SEGMENT 3	924	66757.	0.	209	212	4.35	2.66	0.055		
	SEGMENT 4	19239	7596682.	40.	1573	1576	12.20	5.30	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	38324	19036108.		2643	2658	17.22	6.67	0.020	5.923	0.018

H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1610	178850.	1.	185	194	8.30	4.10	0.055		
	SEGMENT 2	20907	14989972.	52.	696	700	29.86	9.62	0.020		
	SEGMENT 3	3079	233881.	1.	652	656	4.69	2.80	0.055		
	SEGMENT 4	27186	13333379.	46.	1605	1609	16.89	6.58	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	52783	28736084.		3139	3160	19.75	7.31	0.020	6.535	0.018

H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2542	376087.	1.	187	199	12.76	5.46	0.055		
	SEGMENT 2	24547	18874520.	47.	736	740	33.16	10.32	0.020		
	SEGMENT 3	7052	793226.	2.	830	833	8.46	4.15	0.055		
	SEGMENT 4	35295	20325912.	50.	1638	1642	21.49	7.73	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	69437	40369744.		3391	3415	21.80	7.80	0.020	7.450	0.019

H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3481	624310.	1.	188	204	17.03	6.62	0.055		
	SEGMENT 2	28227	23822446.	44.	736	740	38.13	11.33	0.020		
	SEGMENT 3	11202	1715338.	3.	830	833	13.44	5.65	0.055		
	SEGMENT 4	43566	28491730.	52.	1670	1675	26.01	8.78	0.020		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	393.16	86478	54653824.		3425	3453	24.71	8.48	0.020	8.560	0.020

H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	4428	916680.	1.	190	209	21.12	7.64	0.055		
	SEGMENT 2	31907	29220552.	41.	736	740	43.10	12.29	0.020		
	SEGMENT 3	15352	2900392.	4.	830	833	18.42	6.97	0.055		

	SEGMENT 4	51999	37773400.	53.	1702	1707	30.45	9.75	0.020		
	SEGMENT 5	2437	112460.	0.	625	625	3.90	2.48	0.080		
TOTALTRM	393.16	106125	70923488.		4083	4116	26.87	8.97	0.020	8.727	0.019
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	5383	1248394.	1.	191	214	25.05	8.56	0.055		
	SEGMENT 2	35587	35050756.	39.	736	740	48.07	13.22	0.020		
	SEGMENT 3	19502	4321574.	5.	830	833	23.39	8.18	0.055		
	SEGMENT 4	60592	48222984.	54.	1730	1735	34.92	10.68	0.020		
	SEGMENT 5	6250	423241.	0.	900	901	6.93	3.64	0.080		
TOTALTRM	393.16	127315	89266952.		4388	4425	28.87	9.41	0.020	9.389	0.020
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6344	1615821.	1.	193	220	28.82	9.40	0.055		
	SEGMENT 2	39267	41297584.	38.	736	740	53.04	14.12	0.020		
	SEGMENT 3	23652	5960554.	5.	830	833	28.37	9.30	0.055		
	SEGMENT 4	69242	60234304.	55.	1730	1735	39.90	11.68	0.020		
	SEGMENT 5	13133	1014320.	1.	1552	1555	8.44	4.15	0.080		
TOTALTRM	393.16	151639	110122584.		5041	5084	30.43	9.75	0.020	9.618	0.020
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	7321	1986061.	1.	201	231	31.69	10.01	0.055		
	SEGMENT 2	42947	47947556.	36.	736	740	58.01	14.99	0.020		
	SEGMENT 3	27802	7803653.	6.	830	833	33.35	10.36	0.055		
	SEGMENT 4	77892	73290672.	55.	1730	1735	44.88	12.63	0.020		
	SEGMENT 5	21771	2054587.	2.	1903	1908	11.41	5.07	0.080		
TOTALTRM	393.16	177734	133082528.		5400	5449	31.86	10.05	0.020	10.209	0.020
H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8375	2355218.	1.	220	250	33.44	10.38	0.055		
	SEGMENT 2	46627	54988796.	35.	736	740	62.98	15.83	0.020		
	SEGMENT 3	31952	9840102.	6.	830	833	38.33	11.37	0.055		
	SEGMENT 4	86542	87351768.	55.	1730	1735	49.87	13.55	0.020		
	SEGMENT 5	35465	3045620.	2.	3574	3582	9.90	4.61	0.080		
TOTALTRM	393.16	208962	157581504.		7090	7141	32.20	10.12	0.020	9.496	0.019

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	9523	2775944.	2.	239	269	35.29	10.76	0.055		
	SEGMENT 2	50307	62410708.	34.	736	740	67.95	16.65	0.020		
	SEGMENT 3	36102	12061102.	7.	830	833	43.31	12.33	0.055		
	SEGMENT 4	95192	102382840.	55.	1730	1735	54.85	14.44	0.020		
	SEGMENT 5	57515	5280312.	3.	5245	5255	10.94	4.93	0.080		
TOTALTRM	393.16	248640	184910912.		8780	8834	31.54	9.98	0.020	9.253	0.018

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	10765	3251063.	2.	257	289	37.22	11.15	0.055		
	SEGMENT 2	53987	70203768.	32.	736	740	72.92	17.45	0.020		
	SEGMENT 3	40252	14459268.	7.	830	833	48.28	13.26	0.055		
	SEGMENT 4	103842	118353520.	55.	1730	1735	59.84	15.30	0.020		
	SEGMENT 5	85207	9758033.	5.	5571	5588	15.25	6.15	0.080		
TOTALTRM	393.16	294055	216025632.		9125	9187	30.97	9.86	0.020	10.082	0.020

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	12101	3783368.	2.	276	308	39.21	11.54	0.055		
	SEGMENT 2	57667	78359320.	31.	736	740	77.90	18.24	0.020		
	SEGMENT 3	44402	17028272.	7.	830	833	53.26	14.16	0.055		
	SEGMENT 4	112492	135236912.	54.	1730	1735	64.82	16.14	0.020		
	SEGMENT 5	113231	15538533.	6.	5637	5661	20.00	7.37	0.080		
TOTALTRM	393.16	339894	249946400.		9210	9279	31.01	9.87	0.020	11.030	0.022

H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	13530	4375616.	2.	295	328	41.24	11.94	0.055		
	SEGMENT 2	61347	86869488.	30.	736	740	82.87	19.01	0.020		
	SEGMENT 3	48552	19762606.	7.	830	833	58.24	15.02	0.055		
	SEGMENT 4	121142	153008944.	53.	1730	1735	69.81	16.95	0.020		
	SEGMENT 5	141560	22378106.	8.	5693	5724	24.73	8.49	0.080		
TOTALTRM	393.16	386132	286394752.		9285	9362	31.41	9.96	0.020	11.939	0.024

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	15053	5030524.	2.	314	347	43.32	12.34	0.055		
	SEGMENT 2	65027	95727016.	29.	736	740	87.84	19.76	0.020		

	SEGMENT 3	52702	22657410.	7.	830	833	63.22	15.87	0.055		
	SEGMENT 4	129792	171647936.	53.	1730	1735	74.79	17.75	0.020		
	SEGMENT 5	170170	30191344.	9.	5750	5787	29.40	9.53	0.080		
TOTALTRM	393.16	432745	325254240.		9360	9444	32.04	10.09	0.020	12.806	0.025

1 SECTION 17 38 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	39.	660.0	1	40.	599.5	2	90.	590.0	2	1090.	590.0	2	1140.	599.5
2	1490.	599.5	3	1567.	589.5	3	1588.	584.5	3	1630.	575.4	3	1675.	575.2
3	1729.	569.9	3	1954.	569.1	3	2225.	569.2	3	2270.	569.0	3	2463.	568.8
3	2700.	566.5	3	2960.	572.1	3	3025.	579.0	3	3140.	594.5	4	3250.	594.5
4	3325.	610.0	4	3500.	660.0	4	3600.	650.0	4	3720.	640.0	4	4180.	630.0
4	4280.	620.0	4	4580.	620.0	4	4900.	630.0	4	5600.	640.0	4	5860.	640.0
4	5950.	630.0	4	6060.	620.0	4	6300.	610.0	4	6650.	610.0	4	6960.	620.0
4	7120.	630.0	4	9200.	640.0	4	9200.	660.0						

EACH SEGMENT HAS A CONSTANT N

1	0.070
2	0.040
3	0.024
4	0.120

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.040		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.024		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	391.06	0	0.		0	0	0.00	0.00	0.024	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.040		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.024		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	391.06	0	0.		0	0	0.00	0.00	0.024	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		

	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.040		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.024		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	391.06	0	0.		0	0	0.00	0.00	0.024	0.000	0.000

H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.040		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.024		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	391.06	0	0.		0	0	0.00	0.00	0.024	0.000	0.000

H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.040		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.024		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	391.06	0	0.		0	0	0.00	0.00	0.024	0.000	0.000

H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.040		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.024		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	391.06	0	0.		0	0	0.00	0.00	0.024	0.000	0.000

H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.040		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.024		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	391.06	0	0.		0	0	0.00	0.00	0.024	0.000	0.000

H= 560.00	AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.040		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.024		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	391.06	0	0.		0	0	0.00	0.00	0.024	0.000	0.000
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.040		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.024		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	391.06	0	0.		0	0	0.00	0.00	0.024	0.000	0.000
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.040		
	SEGMENT 3	1437	104439.	100.	1134	1134	1.27	1.17	0.024		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	391.06	1437	104439.		1134	1134	1.27	1.17	0.024	1.171	0.024
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.040		
	SEGMENT 3	7661	1543491.	100.	1310	1310	5.85	3.24	0.024		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	391.06	7661	1543491.		1310	1310	5.85	3.24	0.024	3.245	0.024
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.040		
	SEGMENT 3	14600	4276104.	100.	1423	1424	10.25	4.72	0.024		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	391.06	14600	4276104.		1423	1424	10.25	4.72	0.024	4.718	0.024
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.040		
	SEGMENT 3	21868	8154307.	100.	1483	1485	14.72	6.01	0.024		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	391.06	21868	8154307.		1483	1485	14.72	6.01	0.024	6.007	0.024
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	14.	0.	3	3	0.25	0.39	0.040		
	SEGMENT 3	29431	13046517.	100.	1539	1542	19.08	7.14	0.024		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	391.06	29432	13046531.		1543	1546	19.08	7.14	0.024	7.129	0.024
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	65	2549.	0.	26	26	2.46	1.82	0.070		
	SEGMENT 2	5182	552763.	3.	1068	1069	4.85	2.86	0.040		
	SEGMENT 3	37276	18228200.	97.	1683	1686	22.11	7.88	0.024		
	SEGMENT 4	0	3.	0.	2	2	0.24	0.39	0.120		
TOTALTRM	391.06	42525	18783514.		2780	2785	18.98	7.11	0.024	6.155	0.021
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	262	16572.	0.	50	51	5.11	2.97	0.070		
	SEGMENT 2	10861	1528811.	6.	1477	1478	7.35	3.78	0.040		
	SEGMENT 3	45691	25590434.	94.	1683	1686	27.10	9.02	0.024		
	SEGMENT 4	73	1759.	0.	26	27	2.69	1.94	0.120		
TOTALTRM	391.06	56888	27137574.		3236	3243	21.30	7.68	0.024	6.751	0.021
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	512	47545.	0.	50	56	9.09	4.36	0.070		
	SEGMENT 2	18246	3629528.	10.	1477	1478	12.34	5.34	0.040		
	SEGMENT 3	54106	33918320.	90.	1683	1686	32.09	10.10	0.024		
	SEGMENT 4	266	9866.	0.	50	51	5.14	2.98	0.120		
TOTALTRM	391.06	73131	37605256.		3260	3273	23.84	8.28	0.024	7.934	0.023

H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	763	87215.	0.	50	61	12.43	5.37	0.070		
	SEGMENT 2	25631	6395090.	13.	1477	1478	17.34	6.70	0.040		
	SEGMENT 3	62521	43158620.	87.	1683	1686	37.08	11.12	0.024		
	SEGMENT 4	581	27873.	0.	75	76	7.59	3.86	0.120		
TOTALTRM	391.06	89497	49668796.		3285	3302	26.73	8.94	0.024	9.023	0.024

H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1014	132964.	0.	50	66	15.28	6.16	0.070		
	SEGMENT 2	33016	9752399.	15.	1477	1478	22.33	7.93	0.040		
	SEGMENT 3	70936	53268216.	84.	1683	1686	42.07	12.10	0.024		
	SEGMENT 4	3437	121023.	0.	717	719	4.77	2.84	0.120		
TOTALTRM	391.06	108404	63274604.		3927	3951	28.83	9.40	0.024	9.098	0.023

H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1265	183235.	0.	50	71	17.73	6.80	0.070		
	SEGMENT 2	40401	13652879.	17.	1477	1478	27.32	9.07	0.040		
	SEGMENT 3	79351	64211152.	82.	1683	1686	47.06	13.03	0.024		
	SEGMENT 4	7756	374039.	0.	1010	1013	7.65	3.88	0.120		
TOTALTRM	391.06	128774	78421304.		4220	4249	30.72	9.81	0.024	9.721	0.024

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1517	237006.	0.	50	76	19.87	7.34	0.070		
	SEGMENT 2	47786	18060862.	19.	1477	1478	32.32	10.15	0.040		
	SEGMENT 3	87766	75956776.	80.	1683	1686	52.05	13.94	0.024		
	SEGMENT 4	15212	821495.	1.	1672	1677	9.07	4.35	0.120		
TOTALTRM	391.06	152282	95076144.		4882	4918	31.89	10.06	0.024	9.861	0.023

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1770	293568.	0.	50	81	21.75	7.79	0.070		
	SEGMENT 2	55171	22948562.	20.	1477	1478	37.31	11.17	0.040		
	SEGMENT 3	96181	88478496.	78.	1683	1686	57.04	14.82	0.024		
	SEGMENT 4	24481	1592725.	1.	2035	2041	11.99	5.24	0.120		
TOTALTRM	391.06	177603	113313352.		5245	5287	32.94	10.28	0.024	10.412	0.024

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2022	352407.	0.	50	86	23.41	8.18	0.070		
	SEGMENT 2	62556	28293434.	21.	1477	1478	42.31	12.14	0.040		
	SEGMENT 3	104596	101752968.	77.	1683	1686	62.03	15.67	0.024		
	SEGMENT 4	38862	2304046.	2.	3717	3724	10.43	4.77	0.120		
TOTALTRM	391.06	208037	132702856.		6928	6975	32.93	10.27	0.024	9.618	0.022

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2276	413138.	0.	50	91	24.90	8.53	0.070		
	SEGMENT 2	69941	34076668.	22.	1477	1478	47.30	13.08	0.040		
	SEGMENT 3	113011	115759392.	75.	1683	1686	67.02	16.50	0.024		
	SEGMENT 4	61656	3877852.	3.	5400	5408	11.40	5.07	0.120		
TOTALTRM	391.06	246884	154127056.		8610	8664	31.89	10.06	0.024	9.330	0.022

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2529	475471.	0.	50	96	26.24	8.83	0.070		
	SEGMENT 2	77326	40282212.	23.	1477	1478	52.30	13.98	0.040		
	SEGMENT 3	121426	130479112.	73.	1683	1686	72.01	17.31	0.024		
	SEGMENT 4	90150	7010488.	4.	5737	5751	15.67	6.26	0.120		
TOTALTRM	391.06	291432	178247296.		8948	9012	30.92	9.85	0.024	10.151	0.025

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2783	539176.	0.	50	101	27.45	9.10	0.070		
	SEGMENT 2	84711	46896136.	23.	1477	1478	57.29	14.86	0.040		
	SEGMENT 3	129841	145895216.	71.	1683	1686	77.00	18.10	0.024		
	SEGMENT 4	119031	11034144.	5.	5815	5835	20.40	7.47	0.120		
TOTALTRM	391.06	336367	204364672.		9025	9101	30.61	9.79	0.024	11.097	0.027

H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3037	604075.	0.	50	106	28.55	9.34	0.070		
	SEGMENT 2	92096	53906192.	23.	1477	1478	62.29	15.71	0.040		
	SEGMENT 3	138256	161992320.	70.	1683	1686	81.99	18.87	0.024		
	SEGMENT 4	148275	15780781.	7.	5882	5908	25.09	8.57	0.120		
TOTALTRM	391.06	381665	232283376.		9093	9179	30.69	9.80	0.024	12.003	0.029

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3292	670022.	0.	51	111	29.56	9.56	0.070		
	SEGMENT 2	99481	61301476.	23.	1477	1478	67.28	16.54	0.040		
	SEGMENT 3	146671	178756320.	68.	1683	1686	86.98	19.63	0.024		
	SEGMENT 4	177856	21194356.	8.	5950	5982	29.73	9.60	0.120		
TOTALTRM	391.06	427301	261922160.		9161	9258	31.02	9.87	0.024	12.868	0.031

1 SECTION 18 46 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	80.	660.0	1	190.	640.0	1	400.	620.0	1	650.	600.0	1	750.	595.0
2	800.	589.5	2	1420.	595.3	2	1730.	588.0	2	1950.	602.0	2	1980.	599.5
2	2060.	567.3	2	2100.	566.5	2	2435.	566.1	2	2527.	565.6	2	2700.	565.2
2	2825.	564.8	2	3023.	564.5	2	3178.	564.8	2	3508.	565.4	2	3560.	577.4
2	3583.	584.0	2	3610.	594.5	2	3700.	597.0	2	4030.	589.0	2	4260.	584.5
2	4470.	584.5	2	4600.	594.5	3	4710.	599.0	3	4770.	604.5	3	5200.	660.0
3	5300.	650.0	3	5420.	640.0	3	5880.	630.0	3	5980.	620.0	3	6280.	620.0
3	6600.	630.0	3	7300.	640.0	3	7560.	640.0	3	7650.	630.0	3	7760.	620.0
3	8000.	610.0	3	8350.	610.0	3	8660.	620.0	3	8830.	630.0	3	10900.	640.0
3	10900.	660.0												

EACH SEGMENT HAS A CONSTANT N

1	0.080
2	0.035
3	0.100

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.080		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	0	0.		0	0	0.00	0.00	0.035	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.080		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	0	0.		0	0	0.00	0.00	0.035	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.080		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	0	0.		0	0	0.00	0.00	0.035	0.000	0.000

H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.080		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	0	0.		0	0	0.00	0.00	0.035	0.000	0.000

H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.080		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	0	0.		0	0	0.00	0.00	0.035	0.000	0.000

H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.080		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	0	0.		0	0	0.00	0.00	0.035	0.000	0.000

H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.080		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	0	0.		0	0	0.00	0.00	0.035	0.000	0.000

H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.080		

	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	0	0.		0	0	0.00	0.00	0.035	0.000	0.000
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.080		
	SEGMENT 2	140	2491.	100.	525	525	0.27	0.42	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	140	2491.		525	525	0.27	0.42	0.035	0.416	0.035
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.080		
	SEGMENT 2	6726	787241.	100.	1474	1475	4.56	2.75	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	6726	787241.		1474	1475	4.56	2.75	0.035	2.749	0.035
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.080		
	SEGMENT 2	14184	2686959.	100.	1508	1511	9.39	4.45	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	14184	2686959.		1508	1511	9.39	4.45	0.035	4.450	0.035
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.080		
	SEGMENT 2	21810	5424078.	100.	1540	1544	14.12	5.84	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	21810	5424078.		1540	1544	14.12	5.84	0.035	5.842	0.035
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.080		
	SEGMENT 2	29701	8142386.	100.	1811	1817	16.34	6.44	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	29701	8142386.		1811	1817	16.34	6.44	0.035	6.440	0.035

H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1	8.	0.	4	4	0.25	0.40	0.080		
	SEGMENT 2	39748	11227990.	100.	2317	2325	17.09	6.64	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	39749	11227999.		2321	2330	17.09	6.64	0.035	6.627	0.035

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	137	5007.	0.	50	50	2.73	1.96	0.080		
	SEGMENT 2	54145	14387638.	100.	3461	3472	15.59	6.24	0.035		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	388.95	54283	14392644.		3511	3522	15.54	6.23	0.035	6.193	0.035

H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	637	31094.	0.	150	150	4.24	2.62	0.080		
	SEGMENT 2	72811	21941306.	100.	3854	3866	18.83	7.08	0.035		
	SEGMENT 3	5	51.	0.	10	10	0.50	0.63	0.100		
TOTALTRM	388.95	73454	21972452.		4015	4027	18.63	7.03	0.035	6.929	0.034

H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1543	107638.	0.	212	213	7.24	3.74	0.080		
	SEGMENT 2	92306	32273532.	100.	3910	3921	23.54	8.21	0.035		
	SEGMENT 3	195	6147.	0.	63	64	3.05	2.11	0.100		
TOTALTRM	388.95	94046	32387320.		4186	4199	23.01	8.09	0.035	7.946	0.034

H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2762	239062.	1.	275	275	10.02	4.65	0.080		
	SEGMENT 2	111856	44452348.	99.	3910	3921	28.52	9.34	0.035		
	SEGMENT 3	612	29887.	0.	102	103	5.93	3.28	0.100		
TOTALTRM	388.95	115231	44721300.		4287	4300	27.53	9.12	0.035	8.955	0.034

H= 615.00	AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT	1	4293	434941.	1.	337	338	12.68	5.44	0.080		
	SEGMENT	2	131406	58141656.	99.	3910	3921	33.51	10.39	0.035		
	SEGMENT	3	3659	154479.	0.	766	767	4.77	2.83	0.100		
TOTALTRM	388.95		139359	58731076.		5013	5027	31.15	9.90	0.035	9.160	0.032
H= 620.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	6137	704406.	1.	400	401	15.30	6.16	0.080		
	SEGMENT	2	150956	73262048.	98.	3910	3921	38.49	11.40	0.035		
	SEGMENT	3	8275	478763.	1.	1080	1081	7.65	3.88	0.100		
TOTALTRM	388.95		165369	74445216.		5390	5404	34.39	10.57	0.035	9.784	0.032
H= 625.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	8268	1066144.	1.	452	453	18.21	6.92	0.080		
	SEGMENT	2	170506	89748584.	98.	3910	3921	43.48	12.36	0.035		
	SEGMENT	3	16147	1049933.	1.	1768	1771	9.12	4.36	0.100		
TOTALTRM	388.95		194923	91864664.		6131	6147	36.83	11.07	0.035	10.019	0.032
H= 630.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	10662	1513656.	1.	505	506	21.04	7.62	0.080		
	SEGMENT	2	190056	107546752.	97.	3910	3921	48.46	13.29	0.035		
	SEGMENT	3	25963	2029261.	2.	2157	2161	12.01	5.25	0.100		
TOTALTRM	388.95		226683	111089672.		6572	6589	39.06	11.51	0.035	10.578	0.032
H= 635.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	13318	2052898.	2.	557	559	23.81	8.28	0.080		
	SEGMENT	2	209606	126609800.	96.	3910	3921	53.45	14.19	0.035		
	SEGMENT	3	40998	2951396.	2.	3856	3860	10.62	4.83	0.100		
TOTALTRM	388.95		263923	131614096.		8323	8341	40.09	11.71	0.035	10.004	0.030
H= 640.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	16237	2689744.	2.	610	612	26.52	8.89	0.080		
	SEGMENT	2	229156	146897040.	95.	3910	3921	58.43	15.06	0.035		
	SEGMENT	3	64527	4928338.	3.	5555	5560	11.61	5.13	0.100		

TOTALTRM	388.95	309921	154515120.		10075	10094	40.08	11.71	0.035	9.806	0.029
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	19356	3499086.	2.	637	640	30.24	9.71	0.080		
	SEGMENT 2	248706	168372560.	93.	3910	3921	63.42	15.90	0.035		
	SEGMENT 3	93849	8820128.	5.	5913	5924	15.84	6.31	0.100		
TOTALTRM	388.95	361911	180691760.		10461	10486	40.16	11.73	0.035	10.602	0.032
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	22612	4406829.	2.	665	668	33.85	10.46	0.080		
	SEGMENT 2	268256	191004304.	91.	3910	3921	68.40	16.73	0.035		
	SEGMENT 3	123664	13807568.	7.	6012	6028	20.51	7.49	0.100		
TOTALTRM	388.95	414533	209218704.		10587	10618	40.82	11.86	0.035	11.509	0.034
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	26006	5413458.	2.	692	696	37.36	11.18	0.080		
	SEGMENT 2	287806	214763424.	90.	3910	3921	73.39	17.53	0.035		
	SEGMENT 3	153949	19686812.	8.	6101	6122	25.14	8.58	0.100		
TOTALTRM	388.95	467762	239863696.		10703	10740	41.81	12.05	0.035	12.380	0.036
H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	29537	6519816.	2.	720	723	40.80	11.85	0.080		
	SEGMENT 2	307356	239623808.	88.	3910	3921	78.37	18.31	0.035		
	SEGMENT 3	184677	26392272.	10.	6190	6217	29.70	9.59	0.100		
TOTALTRM	388.95	521571	272535904.		10820	10863	43.00	12.27	0.035	13.212	0.038

1 SECTION 19 45 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	50.	660.0	1	150.	640.0	1	360.	619.0	1	470.	599.5	1	530.	594.5
2	830.	589.5	2	1075.	589.5	2	1240.	594.5	2	1430.	594.5	2	1569.	577.3
2	1626.	568.0	2	1760.	567.2	2	1810.	565.7	2	1927.	562.0	2	2070.	564.2
2	2150.	563.5	2	2225.	559.1	2	2450.	563.7	2	2735.	566.9	2	2751.	569.5
2	2833.	579.5	2	2910.	589.4	2	3650.	589.4	2	4125.	584.6	2	4460.	584.4
2	4690.	589.5	2	4730.	594.5	3	4790.	604.5	3	4950.	660.0	3	5050.	650.0
3	5170.	640.0	3	5630.	630.0	3	5730.	620.0	3	6030.	620.0	3	6350.	630.0
3	7050.	640.0	3	7310.	640.0	3	7400.	630.0	3	7510.	620.0	3	7750.	610.0

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       3     8100.  610.0    3     8410.  620.0    3     8570.  630.0    3    10650.  640.0    3    10650.  660.0

                      EACH SEGMENT HAS A CONSTANT  N

                              1       0.075
                              2       0.019
                              3       0.150

  H= 525.00                   AREA            K     % K       B       WP    R     R2/3      N      RP23    NP

            SEGMENT  1          0            0.      0.       0        0  0.00   0.00  0.075
            SEGMENT  2          0            0.      0.       0        0  0.00   0.00  0.019
            SEGMENT  3          0            0.      0.       0        0  0.00   0.00  0.150

  TOTALTRM  386.85             0             0.               0        0  0.00   0.00  0.019   0.000  0.000

  H= 530.00                   AREA            K     % K       B       WP    R     R2/3      N      RP23    NP

            SEGMENT  1          0            0.      0.       0        0  0.00   0.00  0.075
            SEGMENT  2          0            0.      0.       0        0  0.00   0.00  0.019
            SEGMENT  3          0            0.      0.       0        0  0.00   0.00  0.150

  TOTALTRM  386.85             0             0.               0        0  0.00   0.00  0.019   0.000  0.000

  H= 535.00                   AREA            K     % K       B       WP    R     R2/3      N      RP23    NP

            SEGMENT  1          0            0.      0.       0        0  0.00   0.00  0.075
            SEGMENT  2          0            0.      0.       0        0  0.00   0.00  0.019
            SEGMENT  3          0            0.      0.       0        0  0.00   0.00  0.150

  TOTALTRM  386.85             0             0.               0        0  0.00   0.00  0.019   0.000  0.000

  H= 540.00                   AREA            K     % K       B       WP    R     R2/3      N      RP23    NP

            SEGMENT  1          0            0.      0.       0        0  0.00   0.00  0.075
            SEGMENT  2          0            0.      0.       0        0  0.00   0.00  0.019
            SEGMENT  3          0            0.      0.       0        0  0.00   0.00  0.150

  TOTALTRM  386.85             0             0.               0        0  0.00   0.00  0.019   0.000  0.000

  H= 545.00                   AREA            K     % K       B       WP    R     R2/3      N      RP23    NP

            SEGMENT  1          0            0.      0.       0        0  0.00   0.00  0.075
            SEGMENT  2          0            0.      0.       0        0  0.00   0.00  0.019
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	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	386.85	0	0.		0	0	0.00	0.00	0.019	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.019		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	386.85	0	0.		0	0	0.00	0.00	0.019	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.019		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	386.85	0	0.		0	0	0.00	0.00	0.019	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	26	1230.	100.	59	59	0.45	0.59	0.019		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	386.85	26	1230.		59	59	0.45	0.59	0.019	0.587	0.019
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	1668	226289.	100.	733	733	2.27	1.73	0.019		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	386.85	1668	226289.		733	733	2.27	1.73	0.019	1.729	0.019
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	6666	1694842.	100.	1141	1142	5.84	3.24	0.019		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	386.85	6666	1694842.		1141	1142	5.84	3.24	0.019	3.242	0.019

H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	12552	4670850.	100.	1213	1214	10.34	4.75	0.019		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	386.85	12552	4670850.		1213	1214	10.34	4.75	0.019	4.745	0.019

H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	18803	8791036.	100.	1289	1291	14.56	5.96	0.019		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	386.85	18803	8791036.		1289	1291	14.56	5.96	0.019	5.962	0.019

H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.075		
	SEGMENT 2	25633	11928679.	100.	1770	1773	14.46	5.93	0.019		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	386.85	25633	11928679.		1770	1773	14.46	5.93	0.019	5.935	0.019

H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	7	59.	0.	30	30	0.25	0.40	0.075		
	SEGMENT 2	37032	14016801.	100.	3489	3492	10.60	4.83	0.019		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	386.85	37040	14016860.		3519	3522	10.60	4.83	0.019	4.800	0.019

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	901	36801.	0.	306	306	2.95	2.05	0.075		
	SEGMENT 2	55181	25284550.	100.	3903	3907	14.12	5.84	0.019		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	386.85	56083	25321350.		4209	4213	13.81	5.76	0.019	5.617	0.018

H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2580	189522.	0.	362	363	7.11	3.70	0.075		

	SEGMENT 2	74771	41736336.	100.	3933	3937	18.99	7.12	0.019		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	386.85	77352	41925856.		4295	4300	18.17	6.91	0.019	6.865	0.019
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	4465	449297.	1.	391	391	11.40	5.06	0.075		
	SEGMENT 2	94510	61388004.	99.	3960	3964	23.84	8.28	0.019		
	SEGMENT 3	0	1.	0.	1	1	0.24	0.38	0.150		
TOTALTRM	386.85	98976	61837300.		4352	4358	22.49	7.97	0.019	8.020	0.019
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6490	799581.	1.	419	420	15.44	6.20	0.075		
	SEGMENT 2	114310	84286872.	99.	3960	3964	28.83	9.40	0.019		
	SEGMENT 3	43	819.	0.	15	16	2.60	1.89	0.150		
TOTALTRM	386.85	120845	85087264.		4395	4402	26.90	8.98	0.019	9.101	0.019
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8657	1236690.	1.	447	449	19.28	7.19	0.075		
	SEGMENT 2	134110	109998648.	99.	3960	3964	33.82	10.46	0.019		
	SEGMENT 3	2596	64453.	0.	655	657	3.95	2.50	0.150		
TOTALTRM	386.85	145364	111299800.		5062	5071	30.51	9.76	0.019	9.367	0.018
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	10967	1749569.	1.	480	482	22.75	8.03	0.075		
	SEGMENT 2	153910	138376688.	99.	3960	3964	38.82	11.46	0.019		
	SEGMENT 3	6596	238869.	0.	944	947	6.96	3.65	0.150		
TOTALTRM	386.85	171474	140365120.		5384	5394	33.72	10.44	0.019	10.036	0.018
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	13492	2313100.	1.	530	532	25.35	8.63	0.075		
	SEGMENT 2	173710	169300832.	98.	3960	3964	43.81	12.43	0.019		
	SEGMENT 3	13718	568795.	0.	1604	1608	8.53	4.17	0.150		
TOTALTRM	386.85	200921	172182736.		6094	6105	36.12	10.93	0.019	10.270	0.018

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	16267	2974786.	1.	580	582	27.93	9.20	0.075		
	SEGMENT 2	193510	202670096.	98.	3960	3964	48.81	13.36	0.019		
	SEGMENT 3	22637	1145206.	1.	1963	1969	11.49	5.09	0.150		
TOTALTRM	386.85	232415	206790080.		6503	6516	38.22	11.35	0.019	10.836	0.018

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	19292	3740634.	2.	630	632	30.49	9.76	0.075		
	SEGMENT 2	213310	238397904.	98.	3960	3964	53.80	14.25	0.019		
	SEGMENT 3	36653	1694616.	1.	3642	3650	10.04	4.65	0.150		
TOTALTRM	386.85	269256	243833152.		8232	8247	39.24	11.55	0.019	10.216	0.017

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	22567	4616490.	2.	680	683	33.04	10.30	0.075		
	SEGMENT 2	233110	276408672.	97.	3960	3964	58.79	15.12	0.019		
	SEGMENT 3	59066	2916078.	1.	5322	5330	11.08	4.97	0.150		
TOTALTRM	386.85	314744	283941216.		9962	9978	39.02	11.50	0.019	9.984	0.016

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	26030	5715038.	2.	705	708	36.74	11.05	0.075		
	SEGMENT 2	252910	316635776.	97.	3960	3964	63.79	15.96	0.019		
	SEGMENT 3	87164	5352245.	2.	5656	5671	15.37	6.18	0.150		
TOTALTRM	386.85	366105	327703072.		10321	10344	38.56	11.41	0.019	10.781	0.018

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	29617	6922146.	2.	730	734	40.35	11.76	0.075		
	SEGMENT 2	272710	359019648.	96.	3960	3964	68.78	16.79	0.019		
	SEGMENT 3	115634	8492505.	2.	5731	5751	20.10	7.39	0.150		
TOTALTRM	386.85	417962	374434336.		10421	10450	38.61	11.42	0.019	11.696	0.019

H= 655.00	AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	33330	8238213.	2.	755	759	43.88	12.44	0.075			
	SEGMENT 2	292510	403506784.	95.	3960	3964	73.78	17.59	0.019			
	SEGMENT 3	144451	12205791.	3.	5795	5822	24.81	8.51	0.150			
TOTALTRM	386.85	470291	423950784.		10510	10546	38.97	11.50	0.019	12.576	0.021	

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	37167	9663927.	2.	780	784	47.35	13.09	0.075		
	SEGMENT 2	312310	450048512.	95.	3960	3964	78.77	18.38	0.019		
	SEGMENT 3	173590	16447036.	3.	5860	5892	29.46	9.54	0.150		
TOTALTRM	386.85	523068	476159488.		10600	10642	39.55	11.61	0.019	13.419	0.022

1 SECTION 20 42 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	80.	680.0	1	260.	640.0	1	400.	620.0	1	500.	600.0	1	650.	595.0
2	800.	590.0	2	860.	584.5	2	1400.	584.5	2	1870.	589.5	2	2450.	592.5
2	2475.	592.5	2	2525.	584.6	2	2717.	565.0	2	3300.	565.5	2	3580.	565.0
2	3750.	566.0	2	3990.	566.5	2	4000.	567.1	2	4050.	572.0	2	4075.	576.0
2	4117.	593.2	2	4800.	583.5	2	4990.	589.5	3	5200.	680.0	3	5780.	660.0
3	5880.	650.0	3	6000.	640.0	3	6460.	630.0	3	6560.	620.0	3	6860.	620.0
3	7180.	630.0	3	7880.	640.0	3	8140.	640.0	3	8230.	630.0	3	8340.	620.0
3	8580.	610.0	3	8930.	610.0	3	9240.	620.0	3	9400.	630.0	3	11480.	640.0
3	11480.	660.0	3	11480.	680.0									

EACH SEGMENT HAS A CONSTANT N

1	0.070
2	0.016
3	0.150

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	384.74	0	0.		0	0	0.00	0.00	0.016	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		

TOTALTRM	384.74	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	384.74	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	384.74	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	384.74	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	384.74	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	384.74	0	0.		0	0	0.00	0.00	0.016	0.000	0.000

H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	384.74	0	0.		0	0	0.00	0.00	0.016	0.000	0.000

H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	384.74	0	0.		0	0	0.00	0.00	0.016	0.000	0.000

H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	5961	1485557.	100.	1361	1361	4.38	2.68	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	384.74	5961	1485557.		1361	1361	4.38	2.68	0.016	2.676	0.016

H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	13001	5224077.	100.	1449	1450	8.96	4.31	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	384.74	13001	5224077.		1449	1450	8.96	4.31	0.016	4.315	0.016

H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	20420	10761634.	100.	1514	1516	13.46	5.66	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	384.74	20420	10761634.		1514	1516	13.46	5.66	0.016	5.660	0.016

H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	28544	14152702.	100.	2320	2323	12.29	5.32	0.016		

	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150			
TOTALTRM	384.74	28544	14152702.		2320	2323	12.29	5.32	0.016	5.325	0.016	
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070			
	SEGMENT 2	42850	21446734.	100.	3433	3439	12.46	5.37	0.016			
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150			
TOTALTRM	384.74	42850	21446734.		3433	3439	12.46	5.37	0.016	5.375	0.016	
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	375	14698.	0.	150	150	2.50	1.84	0.070			
	SEGMENT 2	62775	35416508.	100.	4202	4209	14.91	6.06	0.016			
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150			
TOTALTRM	384.74	63150	35431208.		4352	4360	14.79	6.02	0.016	5.942	0.016	
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	1500	93325.	0.	300	300	5.00	2.92	0.070			
	SEGMENT 2	83818	57224852.	100.	4214	4222	19.85	7.33	0.016			
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150			
TOTALTRM	384.74	85318	57318176.		4514	4522	19.38	7.21	0.016	7.087	0.016	
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	3062	290427.	0.	325	325	9.40	4.46	0.070			
	SEGMENT 2	104919	83031944.	100.	4225	4235	24.77	8.50	0.016			
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150			
TOTALTRM	384.74	107982	83322368.		4550	4560	23.85	8.29	0.016	8.246	0.016	
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	4750	573998.	1.	350	351	13.53	5.68	0.070			
	SEGMENT 2	126078	112552840.	99.	4237	4247	29.68	9.59	0.016			
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150			
TOTALTRM	384.74	130828	113126832.		4587	4598	28.29	9.29	0.016	9.320	0.016	

H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6562	938808.	1.	375	376	17.42	6.72	0.070		
	SEGMENT 2	147295	145571600.	99.	4249	4260	34.57	10.61	0.016		
	SEGMENT 3	2437	59979.	0.	625	625	3.90	2.48	0.150		
TOTALTRM	384.74	156295	146570400.		5249	5262	31.96	10.07	0.016	9.592	0.015

H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8500	1383131.	1.	400	402	21.14	7.64	0.070		
	SEGMENT 2	168570	181916624.	99.	4260	4273	39.45	11.59	0.016		
	SEGMENT 3	6250	225916.	0.	900	900	6.94	3.64	0.150		
TOTALTRM	384.74	183320	183525664.		5560	5575	35.25	10.75	0.016	10.264	0.015

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	10587	1885488.	1.	435	437	24.20	8.37	0.070		
	SEGMENT 2	189903	221446896.	99.	4272	4285	44.31	12.52	0.016		
	SEGMENT 3	13112	541688.	0.	1545	1546	8.48	4.16	0.150		
TOTALTRM	384.74	213603	223874080.		6252	6269	37.76	11.25	0.016	10.511	0.015

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	12850	2472330.	1.	470	472	27.18	9.04	0.070		
	SEGMENT 2	211293	264043696.	99.	4283	4298	49.16	13.42	0.016		
	SEGMENT 3	21700	1096342.	0.	1890	1891	11.47	5.09	0.150		
TOTALTRM	384.74	245843	267612368.		6643	6663	39.96	11.69	0.016	11.084	0.015

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	15287	3147400.	1.	505	508	30.08	9.67	0.070		
	SEGMENT 2	232742	309605216.	98.	4295	4310	53.99	14.28	0.016		
	SEGMENT 3	35312	1620216.	1.	3555	3557	9.93	4.62	0.150		
TOTALTRM	384.74	283342	314372832.		8355	8376	41.12	11.91	0.016	10.461	0.014

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	17900	3914478.	1.	540	543	32.93	10.27	0.070		

	SEGMENT 2	254249	358042592.	98.	4307	4323	58.80	15.12	0.016		
	SEGMENT 3	57250	2806290.	1.	5220	5222	10.96	4.93	0.150		
TOTALTRM	384.74	329399	364763360.		10067	10089	41.00	11.89	0.016	10.216	0.014
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	20656	4834084.	1.	562	566	36.46	10.99	0.070		
	SEGMENT 2	275814	409277568.	98.	4318	4336	63.61	15.93	0.016		
	SEGMENT 3	84800	5188118.	1.	5540	5547	15.29	6.16	0.150		
TOTALTRM	384.74	381270	419299776.		10421	10450	40.58	11.81	0.016	11.001	0.015
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	23525	5846558.	1.	585	589	39.90	11.68	0.070		
	SEGMENT 2	297437	463240352.	97.	4330	4348	68.39	16.72	0.016		
	SEGMENT 3	112650	8263908.	2.	5600	5612	20.07	7.39	0.150		
TOTALTRM	384.74	433612	477350816.		10515	10551	40.64	11.82	0.016	11.910	0.016
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	26506	6952854.	1.	607	612	43.26	12.32	0.070		
	SEGMENT 2	319118	519868448.	96.	4341	4361	73.17	17.49	0.016		
	SEGMENT 3	140775	11903466.	2.	5650	5668	24.84	8.51	0.150		
TOTALTRM	384.74	486399	538724800.		10599	10642	41.02	11.89	0.016	12.785	0.017
H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	29600	8154122.	1.	630	635	46.56	12.94	0.070		
	SEGMENT 2	340857	579105088.	96.	4353	4374	77.93	18.24	0.016		
	SEGMENT 3	169150	16061117.	3.	5700	5723	29.55	9.56	0.150		
TOTALTRM	384.74	539607	603320320.		10683	10733	41.60	12.01	0.016	13.623	0.018
H= 665.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	32806	9451657.	1.	652	658	49.80	13.54	0.070		
	SEGMENT 2	362654	640898560.	96.	4365	4386	82.67	18.98	0.016		
	SEGMENT 3	198012	20526534.	3.	5845	5873	33.71	10.44	0.150		
TOTALTRM	384.74	593473	670876800.		10862	10919	42.29	12.14	0.016	14.350	0.019

H= 670.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	36125	10846857.	1.	675	681	52.98	14.11	0.070		
	SEGMENT	2	384509	705201664.	95.	4376	4399	87.40	19.69	0.016		
	SEGMENT	3	227600	25457144.	3.	5990	6023	37.78	11.26	0.150		
TOTALTRM	384.74		648234	741505664.		11041	11104	43.05	12.28	0.016	15.050	0.020

H= 675.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	39556	12341203.	2.	697	704	56.12	14.66	0.070		
	SEGMENT	2	406422	771970688.	95.	4388	4412	92.12	20.40	0.016		
	SEGMENT	3	257912	30844968.	4.	6135	6173	41.78	12.04	0.150		
TOTALTRM	384.74		703891	815156864.		11220	11290	43.85	12.44	0.016	15.725	0.020

H= 680.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	43100	13936242.	2.	720	727	59.21	15.19	0.070		
	SEGMENT	2	428393	841165632.	94.	4400	4424	96.82	21.08	0.016		
	SEGMENT	3	288950	36684316.	4.	6280	6323	45.69	12.78	0.150		
TOTALTRM	384.74		760443	891786176.		11400	11476	44.69	12.59	0.016	16.377	0.021

1 SECTION 21 40 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	50.	660.0	1	200.	640.0	1	450.	620.0	1	600.	600.0	1	750.	594.8
2	975.	588.0	2	1940.	584.5	2	2350.	584.7	2	2600.	589.3	2	2900.	589.2
2	3030.	567.0	2	3100.	563.5	2	3325.	563.2	2	3550.	564.2	2	3820.	563.4
2	4290.	566.1	2	4350.	567.0	2	4490.	591.6	2	4625.	589.5	2	4775.	584.7
2	5450.	584.7	2	5920.	589.4	2	5950.	596.0	3	6200.	660.0	3	6300.	650.0
3	6420.	640.0	3	6880.	630.0	3	6980.	620.0	3	7280.	620.0	3	7600.	630.0
3	8300.	640.0	3	8560.	640.0	3	8650.	630.0	3	8760.	620.0	3	9000.	610.0
3	9350.	610.0	3	9660.	620.0	3	9820.	630.0	3	11900.	640.0	3	11900.	660.0

EACH SEGMENT HAS A CONSTANT N

1	0.070
2	0.016
3	0.145

H= 525.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		

TOTALTRM	382.64	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	1233	129583.	100.	1028	1028	1.20	1.13	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	1233	129583.		1028	1028	1.20	1.13	0.016	1.129	0.016
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	7646	2256876.	100.	1354	1355	5.64	3.17	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	7646	2256876.		1354	1355	5.64	3.17	0.016	3.170	0.016
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	14564	6421097.	100.	1412	1413	10.30	4.73	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	14564	6421097.		1412	1413	10.30	4.73	0.016	4.735	0.016
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	21770	12212884.	100.	1470	1472	14.79	6.02	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	21770	12212884.		1470	1472	14.79	6.02	0.016	6.025	0.016
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	29674	13302920.	100.	2806	2809	10.56	4.81	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	29674	13302920.		2806	2809	10.56	4.81	0.016	4.814	0.016
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	66	1408.	0.	66	66	1.00	1.00	0.070		
	SEGMENT 2	49262	21545992.	100.	4835	4839	10.18	4.70	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	49328	21547400.		4901	4906	10.16	4.69	0.016	4.659	0.016
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	810	39856.	0.	230	230	3.51	2.31	0.070		
	SEGMENT 2	73968	41648032.	100.	4970	4975	14.87	6.05	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	74779	41687888.		5201	5206	14.65	5.99	0.016	5.909	0.016
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2325	166965.	0.	375	375	6.20	3.37	0.070		
	SEGMENT 2	98872	67365152.	100.	4990	4996	19.79	7.32	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	101197	67532112.		5365	5371	19.18	7.17	0.016	7.081	0.016
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	4293	435344.	0.	412	413	10.40	4.76	0.070		
	SEGMENT 2	123874	97824232.	100.	5010	5016	24.69	8.48	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		

TOTALTRM	382.64	128168	98259576.		5422	5429	23.62	8.23	0.016	8.230	0.016
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6450	809088.	1.	450	450	14.31	5.89	0.070		
	SEGMENT 2	148974	132688480.	99.	5029	5036	29.58	9.56	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.145		
TOTALTRM	382.64	155424	133497568.		5479	5487	28.01	9.22	0.016	9.293	0.016
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8793	1285357.	1.	487	488	17.99	6.87	0.070		
	SEGMENT 2	174171	171706432.	99.	5049	5056	34.44	10.59	0.016		
	SEGMENT 3	2437	62047.	0.	625	625	3.90	2.48	0.145		
TOTALTRM	382.64	185402	173053840.		6161	6170	31.73	10.02	0.016	9.666	0.015
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	11325	1864412.	1.	525	526	21.51	7.73	0.070		
	SEGMENT 2	199466	214678768.	99.	5068	5076	39.29	11.56	0.016		
	SEGMENT 3	6250	233707.	0.	900	900	6.94	3.64	0.145		
TOTALTRM	382.64	217041	216776896.		6493	6503	35.12	10.73	0.016	10.367	0.015
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	14106	2494151.	1.	587	589	23.94	8.31	0.070		
	SEGMENT 2	224858	261442304.	99.	5088	5096	44.12	12.49	0.016		
	SEGMENT 3	13112	560367.	0.	1545	1546	8.48	4.16	0.145		
TOTALTRM	382.64	252077	264496816.		7220	7232	37.82	11.27	0.016	10.671	0.015
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	17200	3244688.	1.	650	651	26.38	8.86	0.070		
	SEGMENT 2	250349	311859968.	99.	5107	5117	48.92	13.38	0.016		
	SEGMENT 3	21700	1134147.	0.	1890	1891	11.47	5.09	0.145		
TOTALTRM	382.64	289249	316238816.		7647	7660	40.23	11.74	0.016	11.256	0.015

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	20606	4124488.	1.	712	714	28.84	9.40	0.070		
	SEGMENT 2	275936	365814592.	98.	5127	5137	53.71	14.24	0.016		
	SEGMENT 3	35312	1676085.	0.	3555	3557	9.93	4.62	0.145		
TOTALTRM	382.64	331855	371615168.		9394	9409	41.70	12.02	0.016	10.756	0.014

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	24325	5141741.	1.	775	777	31.29	9.93	0.070		
	SEGMENT 2	301622	423204384.	98.	5146	5157	58.48	15.07	0.016		
	SEGMENT 3	57250	2903058.	1.	5220	5222	10.96	4.93	0.145		
TOTALTRM	382.64	383197	431249184.		11141	11157	42.01	12.08	0.016	10.567	0.014

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	28293	6408364.	1.	812	815	34.71	10.64	0.070		
	SEGMENT 2	327405	483939840.	98.	5166	5177	63.24	15.87	0.016		
	SEGMENT 3	84800	5367019.	1.	5540	5547	15.29	6.16	0.145		
TOTALTRM	382.64	440499	495715200.		11518	11540	42.01	12.08	0.016	11.338	0.015

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	32450	7813027.	1.	850	852	38.04	11.31	0.070		
	SEGMENT 2	353286	547941632.	97.	5185	5197	67.97	16.65	0.016		
	SEGMENT 3	112650	8548871.	2.	5600	5612	20.07	7.39	0.145		
TOTALTRM	382.64	498386	564303552.		11635	11663	42.40	12.16	0.016	12.224	0.016

H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	36793	9358081.	1.	887	890	41.30	11.95	0.070		
	SEGMENT 2	379265	615138560.	97.	5205	5217	72.69	17.42	0.016		
	SEGMENT 3	140775	12313931.	2.	5650	5668	24.84	8.51	0.145		
TOTALTRM	382.64	556833	636810560.		11742	11776	43.04	12.28	0.016	13.077	0.017

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	41325	11046111.	2.	925	928	44.50	12.56	0.070		
	SEGMENT 2	405341	685466752.	96.	5225	5238	77.38	18.16	0.016		

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              SEGMENT  3         169150        16614950.      2.      5700      5723  29.55    9.56  0.145

     TOTALTRM         382.64          615816        713127808.           11850     11890  43.85  12.44  0.016   13.896  0.018
1      SECTION   22           28 POINTS OF COORDINATES          36 ELEVATIONS COMPUTED

        SEGMENT     X        Y   SEGMENT     X        Y   SEGMENT     X        Y   SEGMENT     X        Y   SEGMENT     X        Y

            1       50.   660.0     1       250.   581.5     2       500.   577.0     2      1380.   584.5     2      1690.   589.3
            2     2010.   590.8     2      2150.   589.0     2      2200.   586.0     2      2250.   576.1     2      2438.   563.8
            2     2850.   564.1     2      3113.   561.9     2      3650.   564.8     2      3670.   566.0     2      3740.   589.0
            2     3850.   588.9     2      4000.   583.6     2      4070.   595.0     3      4090.   604.0     3      4200.   620.0
            3     4400.   660.0     3      5700.   640.0     3      6500.   620.0     3      7300.   602.0     3      8000.   602.0
            3     8600.   620.0     3      9500.   640.0     3      9650.   660.0

                               EACH SEGMENT HAS A CONSTANT  N

                                         1         0.070
                                         2         0.016
                                         3         0.100


     H= 525.00                           AREA                 K      % K        B        WP     R      R2/3       N       RP23    NP

              SEGMENT  1                   0                 0.      0.         0         0  0.00    0.00  0.070
              SEGMENT  2                   0                 0.      0.         0         0  0.00    0.00  0.016
              SEGMENT  3                   0                 0.      0.         0         0  0.00    0.00  0.100

     TOTALTRM         380.54             0                 0.                 0         0  0.00    0.00  0.016    0.000  0.000


     H= 530.00                           AREA                 K      % K        B        WP     R      R2/3       N       RP23    NP

              SEGMENT  1                   0                 0.      0.         0         0  0.00    0.00  0.070
              SEGMENT  2                   0                 0.      0.         0         0  0.00    0.00  0.016
              SEGMENT  3                   0                 0.      0.         0         0  0.00    0.00  0.100

     TOTALTRM         380.54             0                 0.                 0         0  0.00    0.00  0.016    0.000  0.000


     H= 535.00                           AREA                 K      % K        B        WP     R      R2/3       N       RP23    NP

              SEGMENT  1                   0                 0.      0.         0         0  0.00    0.00  0.070
              SEGMENT  2                   0                 0.      0.         0         0  0.00    0.00  0.016
              SEGMENT  3                   0                 0.      0.         0         0  0.00    0.00  0.100

     TOTALTRM         380.54             0                 0.                 0         0  0.00    0.00  0.016    0.000  0.000


     H= 540.00                           AREA                 K      % K        B        WP     R      R2/3       N       RP23    NP
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	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	380.54	0	0.		0	0	0.00	0.00	0.016	0.000	0.000

H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	380.54	0	0.		0	0	0.00	0.00	0.016	0.000	0.000

H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	380.54	0	0.		0	0	0.00	0.00	0.016	0.000	0.000

H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	380.54	0	0.		0	0	0.00	0.00	0.016	0.000	0.000

H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	380.54	0	0.		0	0	0.00	0.00	0.016	0.000	0.000

H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	1855	226923.	100.	1233	1233	1.50	1.31	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		

TOTALTRM	380.54	1855	226923.		1233	1233	1.50	1.31	0.016	1.313	0.016
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	8314	2614866.	100.	1338	1339	6.21	3.38	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	380.54	8314	2614866.		1338	1339	6.21	3.38	0.016	3.377	0.016
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	15238	6864186.	100.	1430	1432	10.64	4.84	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	380.54	15238	6864186.		1430	1432	10.64	4.84	0.016	4.837	0.016
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	250	6972.	0.	166	166	1.50	1.31	0.070		
	SEGMENT 2	23070	11606461.	100.	1834	1837	12.56	5.40	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	380.54	23320	11613433.		2000	2004	12.37	5.35	0.016	5.136	0.015
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1453	97504.	1.	258	259	5.60	3.15	0.070		
	SEGMENT 2	33837	17954688.	99.	2483	2487	13.60	5.70	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	380.54	35290	18052192.		2742	2747	12.87	5.49	0.016	5.485	0.016
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2779	277722.	1.	271	273	10.17	4.69	0.070		
	SEGMENT 2	47849	26430694.	99.	3306	3312	14.45	5.93	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	380.54	50629	26708418.		3578	3585	13.48	5.66	0.016	5.842	0.016

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	4169	528460.	1.	284	286	14.53	5.95	0.070		
	SEGMENT 2	65529	42413692.	99.	3570	3576	18.32	6.95	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	380.54	69699	42942152.		3854	3863	17.02	6.62	0.016	6.879	0.017

H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	5623	843399.	1.	297	300	18.70	7.05	0.070		
	SEGMENT 2	83407	63260552.	99.	3581	3588	23.24	8.14	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	380.54	89030	64103948.		3878	3889	21.50	7.73	0.016	8.063	0.017

H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	7141	1219183.	1.	309	314	22.72	8.02	0.070		
	SEGMENT 2	101339	87358560.	99.	3590	3598	28.16	9.26	0.016		
	SEGMENT 3	2453	69281.	0.	940	940	2.61	1.90	0.100		
TOTALTRM	380.54	110934	88647024.		4840	4852	25.14	8.58	0.016	8.055	0.015

H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8722	1653905.	1.	322	328	26.59	8.91	0.070		
	SEGMENT 2	119289	114642208.	98.	3590	3598	33.15	10.32	0.016		
	SEGMENT 3	8212	404970.	0.	1363	1364	6.02	3.31	0.100		
TOTALTRM	380.54	136224	116701080.		5276	5290	27.90	9.20	0.016	8.721	0.015

H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	10367	2146494.	1.	335	341	30.34	9.73	0.070		
	SEGMENT 2	137239	144812480.	98.	3590	3598	38.14	11.33	0.016		
	SEGMENT 3	16088	1037064.	1.	1786	1787	9.00	4.33	0.100		
TOTALTRM	380.54	163694	147996048.		5712	5727	30.25	9.71	0.016	9.349	0.015

H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	12075	2696411.	1.	348	355	33.98	10.49	0.070		
	SEGMENT 2	155189	177737056.	97.	3590	3598	43.13	12.30	0.016		

	SEGMENT 3	26080	2013217.	1.	2210	2211	11.79	5.18	0.100		
TOTALTRM	380.54	193345	182446672.		6148	6165	32.26	10.13	0.016	9.946	0.016
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	13848	3303478.	2.	360	369	37.52	11.21	0.070		
	SEGMENT 2	173139	213304976.	97.	3590	3598	48.12	13.23	0.016		
	SEGMENT 3	38255	3369004.	2.	2660	2662	14.37	5.91	0.100		
TOTALTRM	380.54	225242	219977456.		6610	6629	33.96	10.49	0.016	10.491	0.016
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	15683	3967770.	2.	373	382	40.97	11.89	0.070		
	SEGMENT 2	191089	251421296.	96.	3590	3598	53.11	14.13	0.016		
	SEGMENT 3	52680	5173962.	2.	3110	3112	16.92	6.59	0.100		
TOTALTRM	380.54	259453	260563040.		7073	7093	35.41	10.78	0.016	11.020	0.016
H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	17583	4689550.	2.	386	396	44.35	12.53	0.070		
	SEGMENT 2	209039	292003424.	96.	3590	3598	58.10	15.00	0.016		
	SEGMENT 3	69355	7477112.	2.	3560	3563	19.46	7.24	0.100		
TOTALTRM	380.54	295978	304170080.		7536	7558	36.66	11.04	0.016	11.533	0.017
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	19547	5469220.	2.	399	410	47.66	13.14	0.070		
	SEGMENT 2	226989	334978496.	95.	3590	3598	63.08	15.85	0.016		
	SEGMENT 3	88280	10325220.	3.	4010	4014	21.99	7.85	0.100		
TOTALTRM	380.54	334816	350772928.		7999	8022	37.73	11.25	0.016	12.033	0.017
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	21574	6307286.	2.	411	423	50.90	13.73	0.070		
	SEGMENT 2	244939	380281632.	95.	3590	3598	68.07	16.67	0.016		
	SEGMENT 3	109298	13859539.	3.	4397	4402	24.83	8.51	0.100		
TOTALTRM	380.54	375812	400448480.		8399	8424	38.70	11.44	0.016	12.580	0.018

H= 650.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	23664	7204338.	2.	424	437	54.09	14.30	0.070		
	SEGMENT	2	262889	427854400.	94.	3590	3598	73.06	17.48	0.016		
	SEGMENT	3	132255	17999770.	4.	4785	4790	27.61	9.13	0.100		
TOTALTRM	380.54		418809	453058528.		8799	8826	39.59	11.62	0.016	13.108	0.018

H= 655.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	25819	8161028.	2.	437	451	57.22	14.85	0.070		
	SEGMENT	2	280839	477643936.	94.	3590	3598	78.05	18.26	0.016		
	SEGMENT	3	157148	22778786.	4.	5172	5179	30.34	9.73	0.100		
TOTALTRM	380.54		463807	508583744.		9199	9228	40.41	11.77	0.016	13.620	0.018

H= 660.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	28037	9178058.	2.	450	464	60.31	15.38	0.070		
	SEGMENT	2	298789	529601856.	93.	3590	3598	83.04	19.03	0.016		
	SEGMENT	3	183980	28228962.	5.	5560	5567	33.05	10.30	0.100		
TOTALTRM	380.54		510807	567008896.		9600	9630	41.15	11.92	0.016	14.119	0.019

1 SECTION 23 22 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	1250.	660.0	1	1600.	600.0	1	2300.	591.0	2	5400.	589.2	2	5580.	588.9
2	5670.	564.0	2	5800.	561.0	2	5990.	559.0	2	6300.	556.4	2	6750.	563.1
2	6790.	570.6	2	7020.	585.2	2	7150.	592.0	3	7250.	660.0	3	8550.	640.0
3	9250.	620.0	3	9800.	610.0	3	10250.	602.0	3	10950.	602.0	3	11350.	620.0
3	12400.	640.0	3	12600.	660.0									

EACH SEGMENT HAS A CONSTANT N

1	0.060
2	0.016
3	0.100

H= 525.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT	2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.100		

TOTALTRM	378.44	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	378.44	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	378.44	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	378.44	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	378.44	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	378.44	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	378.44	0	0.		0	0	0.00	0.00	0.016	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 2	1195	167720.	100.	646	646	1.85	1.51	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	378.44	1195	167720.		646	646	1.85	1.51	0.016	1.506	0.016
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 2	5911	1695221.	100.	1093	1094	5.40	3.08	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	378.44	5911	1695221.		1093	1094	5.40	3.08	0.016	3.079	0.016
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 2	11492	4994315.	100.	1138	1140	10.08	4.67	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	378.44	11492	4994315.		1138	1140	10.08	4.67	0.016	4.667	0.016
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 2	17397	9468021.	100.	1229	1231	14.13	5.84	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	378.44	17397	9468021.		1229	1231	14.13	5.84	0.016	5.844	0.016
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 2	23785	15153688.	100.	1325	1329	17.89	6.84	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		

TOTALTRM	378.44	23785	15153688.		1325	1329	17.89	6.84	0.016	6.842	0.016
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 2	30656	22064260.	100.	1422	1426	21.49	7.73	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	378.44	30656	22064260.		1422	1426	21.49	7.73	0.016	7.729	0.016
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	551	7430.	0.	1377	1377	0.40	0.54	0.060		
	SEGMENT 2	38220	28169960.	100.	1711	1716	22.27	7.91	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	378.44	38771	28177390.		3089	3094	21.80	7.80	0.016	5.395	0.011
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	15812	1091665.	3.	3411	3411	4.64	2.78	0.060		
	SEGMENT 2	46938	39016524.	97.	1754	1760	26.67	8.93	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	378.44	62750	40108192.		5165	5171	17.98	6.86	0.016	5.281	0.012
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	33839	3610425.	7.	3800	3800	8.91	4.30	0.060		
	SEGMENT 2	55729	51765688.	93.	1761	1769	31.50	9.97	0.016		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	378.44	89569	55376116.		5561	5569	17.11	6.64	0.016	6.372	0.015
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	52912	7565974.	10.	3829	3829	13.82	5.76	0.060		
	SEGMENT 2	64556	65920152.	90.	1769	1777	36.31	10.97	0.016		
	SEGMENT 3	2453	69506.	0.	935	935	2.62	1.90	0.100		
TOTALTRM	378.44	119922	73555632.		6533	6543	16.90	6.59	0.016	6.952	0.017

H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	72131	12615663.	13.	3858	3859	18.69	7.04	0.060		
	SEGMENT 2	73420	81414688.	86.	1776	1786	41.09	11.91	0.016		
	SEGMENT 3	8111	403814.	0.	1327	1328	6.11	3.34	0.100		
TOTALTRM	378.44	153662	94434168.		6962	6974	16.95	6.60	0.016	7.860	0.019

H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	91496	18656382.	16.	3887	3888	23.53	8.21	0.060		
	SEGMENT 2	82320	98195152.	83.	1783	1795	45.84	12.81	0.016		
	SEGMENT 3	15715	1025649.	1.	1713	1714	9.17	4.38	0.100		
TOTALTRM	378.44	189532	117877184.		7385	7398	17.26	6.68	0.016	8.691	0.021

H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	111006	25617822.	18.	3916	3918	28.33	9.29	0.060		
	SEGMENT 2	91258	116215608.	81.	1791	1804	50.57	13.67	0.016		
	SEGMENT 3	25250	1974229.	1.	2100	2100	12.02	5.25	0.100		
TOTALTRM	378.44	227515	143807648.		7807	7823	17.68	6.79	0.016	9.458	0.022

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	130662	33447942.	19.	3945	3948	33.10	10.31	0.060		
	SEGMENT 2	100232	135436384.	79.	1798	1813	55.27	14.51	0.016		
	SEGMENT 3	36843	3266708.	2.	2537	2538	14.52	5.95	0.100		
TOTALTRM	378.44	267739	172151024.		8281	8299	18.14	6.90	0.016	10.135	0.023

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	150464	42106188.	21.	3975	3977	37.83	11.27	0.060		
	SEGMENT 2	109243	155822816.	77.	1805	1822	59.94	15.32	0.016		
	SEGMENT 3	50625	4989516.	2.	2975	2975	17.01	6.61	0.100		
TOTALTRM	378.44	310333	202918528.		8755	8775	18.61	7.02	0.016	10.775	0.024

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	170412	51559836.	22.	4004	4007	42.53	12.18	0.060		
	SEGMENT 2	118291	177344208.	75.	1813	1831	64.59	16.10	0.016		

	SEGMENT 3	66593	7190878.	3.	3412	3413	19.51	7.25	0.100			
TOTALTRM	378.44	355298	236094912.		9229	9251	19.06	7.14	0.016	11.384	0.025	
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	190506	61781840.	23.	4033	4036	47.19	13.06	0.060			
	SEGMENT 2	127376	199973120.	74.	1820	1840	69.22	16.86	0.016			
	SEGMENT 3	84750	9916693.	4.	3850	3851	22.01	7.85	0.100			
TOTALTRM	378.44	402632	271671648.		9703	9728	19.50	7.25	0.016	11.967	0.026	
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	210746	72749320.	23.	4062	4066	51.83	13.90	0.060			
	SEGMENT 2	136497	223684944.	72.	1827	1849	73.82	17.60	0.016			
	SEGMENT 3	104937	13307459.	4.	4225	4226	24.83	8.51	0.100			
TOTALTRM	378.44	452181	309741728.		10115	10141	19.95	7.36	0.016	12.575	0.027	
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	231131	84442728.	24.	4091	4095	56.43	14.71	0.060			
	SEGMENT 2	145655	248457440.	71.	1835	1857	78.39	18.32	0.016			
	SEGMENT 3	127000	17281658.	5.	4600	4601	27.60	9.13	0.100			
TOTALTRM	378.44	503787	350181824.		10526	10555	20.39	7.46	0.016	13.159	0.028	
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	251662	96845096.	25.	4120	4125	61.00	15.50	0.060			
	SEGMENT 2	154850	274270112.	70.	1842	1866	82.95	19.02	0.016			
	SEGMENT 3	150937	21871332.	6.	4975	4976	30.33	9.73	0.100			
TOTALTRM	378.44	557450	392986528.		10938	10969	20.83	7.57	0.016	13.722	0.029	
H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	272339	109941568.	25.	4150	4155	65.54	16.26	0.060			
	SEGMENT 2	164082	301104480.	69.	1850	1875	87.48	19.71	0.016			
	SEGMENT 3	176750	27107996.	6.	5350	5352	33.02	10.29	0.100			
TOTALTRM	378.44	613172	438154048.		11350	11383	21.26	7.67	0.016	14.265	0.030	

1 SECTION 24 37 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	50.	660.0	1	520.	640.0	1	1040.	620.0	1	1200.	600.0	1	1400.	600.0
1	2040.	620.0	1	3520.	640.0	1	3900.	640.0	1	4140.	619.5	1	4490.	589.5
2	4750.	579.5	2	4910.	579.5	2	4980.	584.5	2	5270.	584.5	2	5530.	559.5
2	5950.	561.3	2	6150.	559.5	2	6300.	559.5	2	6510.	561.3	2	6675.	574.3
2	6690.	580.3	2	6725.	581.8	2	6890.	584.5	2	7680.	584.5	2	7700.	579.5
2	7790.	579.5	2	8100.	584.5	2	8300.	584.5	2	8400.	579.5	2	8600.	579.5
2	9080.	584.5	2	10100.	588.0	2	10550.	595.0	3	10700.	600.0	3	10900.	620.0
3	11100.	640.0	3	11450.	660.0									

EACH SEGMENT HAS A CONSTANT N

1	0.070
2	0.018
3	0.070

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	0	0.		0	0	0.00	0.00	0.018	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	0	0.		0	0	0.00	0.00	0.018	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	0	0.		0	0	0.00	0.00	0.018	0.000	0.000

H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		

	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	0	0.		0	0	0.00	0.00	0.018	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	0	0.		0	0	0.00	0.00	0.018	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	0	0.		0	0	0.00	0.00	0.018	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	0	0.		0	0	0.00	0.00	0.018	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	133	5477.	100.	385	385	0.35	0.49	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	133	5477.		385	385	0.35	0.49	0.018	0.494	0.018
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	4887	1103658.	100.	1084	1084	4.51	2.73	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	4887	1103658.		1084	1084	4.51	2.73	0.018	2.728	0.018

H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	10596	3746472.	100.	1199	1200	8.83	4.27	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	10596	3746472.		1199	1200	8.83	4.27	0.018	4.271	0.018

H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	16880	7683069.	100.	1307	1309	12.89	5.50	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	16880	7683069.		1307	1309	12.89	5.50	0.018	5.499	0.018

H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3	27.	0.	13	13	0.25	0.40	0.070		
	SEGMENT 2	23831	10563797.	100.	1920	1923	12.39	5.35	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	23834	10563824.		1933	1936	12.39	5.35	0.018	5.332	0.018

H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	393	16422.	0.	143	143	2.75	1.96	0.070		
	SEGMENT 2	37111	12577607.	100.	4475	4479	8.28	4.09	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	37504	12594029.		4618	4622	8.17	4.06	0.018	4.038	0.018

H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1431	93558.	0.	265	266	5.38	3.07	0.070		
	SEGMENT 2	62678	26330494.	100.	5478	5482	11.43	5.07	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	64110	26424052.		5744	5748	11.11	4.98	0.018	4.992	0.018

H= 595.00	AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	2906	266769.	1.	324	324	8.95	4.31	0.070		
	SEGMENT 2	90875	47080068.	99.	5800	5803	15.66	6.26	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	93781	47346836.		6124	6128	15.06	6.10	0.018	6.164	0.018
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	4673	527061.	1.	382	383	12.20	5.30	0.070		
	SEGMENT 2	120250	73820976.	99.	5950	5954	20.20	7.42	0.018		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	376.34	124923	74348040.		6332	6337	19.28	7.19	0.018	7.298	0.018
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8231	801028.	1.	840	842	9.78	4.57	0.070		
	SEGMENT 2	150000	106706288.	99.	5950	5954	25.19	8.59	0.018		
	SEGMENT 3	125	4885.	0.	50	50	2.49	1.84	0.070		
TOTALTRM	376.34	158356	107512208.		6840	6846	23.49	8.20	0.018	8.119	0.018
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	13081	1449839.	1.	1099	1101	11.88	5.21	0.070		
	SEGMENT 2	179750	144262272.	99.	5950	5954	30.19	9.70	0.018		
	SEGMENT 3	500	31017.	0.	100	100	4.98	2.91	0.070		
TOTALTRM	376.34	193331	145743136.		7149	7155	27.48	9.11	0.018	9.005	0.018
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	19223	2392100.	1.	1357	1359	14.14	5.85	0.070		
	SEGMENT 2	209500	186213568.	99.	5950	5954	35.19	10.74	0.018		
	SEGMENT 3	1125	91448.	0.	150	150	7.46	3.82	0.070		
TOTALTRM	376.34	229848	188697120.		7457	7464	31.23	9.92	0.018	9.825	0.018
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	26656	3672352.	2.	1615	1618	16.47	6.47	0.070		
	SEGMENT 2	239250	232340288.	98.	5950	5954	40.18	11.73	0.018		
	SEGMENT 3	2000	196945.	0.	200	200	9.95	4.63	0.070		

TOTALTRM	376.34	267906	236209584.		7765	7773	34.76	10.65	0.018	10.591	0.018
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	36132	5003024.	2.	2174	2177	16.59	6.51	0.070		
	SEGMENT 2	269000	282460928.	98.	5950	5954	45.18	12.69	0.018		
	SEGMENT 3	3125	357085.	0.	250	251	12.44	5.37	0.070		
TOTALTRM	376.34	308257	287821056.		8374	8383	37.88	11.28	0.018	11.059	0.018
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	48400	6993394.	2.	2732	2736	17.69	6.79	0.070		
	SEGMENT 2	298750	336422080.	98.	5950	5954	50.18	13.60	0.018		
	SEGMENT 3	4500	580659.	0.	300	301	14.93	6.06	0.070		
TOTALTRM	376.34	351650	343996128.		8982	8992	40.62	11.82	0.018	11.523	0.018
H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	63461	9704771.	2.	3291	3295	19.26	7.18	0.070		
	SEGMENT 2	328500	394091360.	97.	5950	5954	55.17	14.49	0.018		
	SEGMENT 3	6125	875883.	0.	350	351	17.41	6.72	0.070		
TOTALTRM	376.34	398086	404672000.		9591	9601	43.03	12.28	0.018	11.981	0.018
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	81315	13214969.	3.	3850	3854	21.10	7.63	0.070		
	SEGMENT 2	358250	455353056.	97.	5950	5954	60.17	15.35	0.018		
	SEGMENT 3	8000	1250521.	0.	400	401	19.90	7.34	0.070		
TOTALTRM	376.34	447565	469818560.		10200	10210	45.16	12.68	0.018	12.434	0.018
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	102758	18002168.	3.	4347	4352	23.61	8.23	0.070		
	SEGMENT 2	388000	520104768.	96.	5950	5954	65.17	16.19	0.018		
	SEGMENT 3	10218	1648800.	0.	487	489	20.87	7.58	0.070		
TOTALTRM	376.34	500977	539755712.		10785	10795	46.96	13.02	0.018	12.915	0.018
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	124790	24445912.	4.	4465	4469	27.92	9.20	0.070		
	SEGMENT 2	417750	588254656.	96.	5950	5954	70.16	17.01	0.018		
	SEGMENT 3	12875	2171413.	0.	575	577	22.30	7.92	0.070		
TOTALTRM	376.34	555415	614871936.		10990	11000	48.91	13.37	0.018	13.662	0.018

H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	147408	31714586.	5.	4582	4587	32.13	10.11	0.070		
	SEGMENT 2	447500	659720000.	95.	5950	5954	75.16	17.81	0.018		
	SEGMENT 3	15968	2829386.	0.	662	664	24.02	8.32	0.070		
TOTALTRM	376.34	610877	694264000.		11195	11206	50.87	13.73	0.018	14.379	0.019

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	170615	39788076.	5.	4700	4704	36.26	10.96	0.070		
	SEGMENT 2	477250	734425664.	94.	5950	5954	80.16	18.59	0.018		
	SEGMENT 3	19500	3634541.	0.	750	752	25.91	8.76	0.070		
TOTALTRM	376.34	667365	777848256.		11400	11411	52.84	14.08	0.018	15.069	0.019

1 SECTION 25 37 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	0.	660.0	1	0.	640.0	1	1100.	620.0	1	1200.	600.0	1	1400.	600.0
1	2100.	620.0	1	3000.	640.0	1	3200.	660.0	1	3400.	640.0	1	4300.	600.0
2	4700.	584.5	2	5200.	584.5	2	6330.	579.2	2	7820.	584.8	2	8270.	589.5
2	8360.	584.5	2	8710.	559.5	2	8720.	559.8	2	8790.	559.8	2	8930.	558.5
2	9060.	558.5	2	9200.	559.2	2	9360.	560.0	2	9430.	560.0	2	9550.	559.8
2	9720.	560.9	2	9780.	561.0	2	9960.	584.0	2	10250.	581.1	2	10620.	584.5
2	10650.	589.0	2	10700.	594.5	3	10760.	594.5	3	10800.	604.5	3	10860.	620.0
3	10950.	640.0	3	10980.	660.0									

EACH SEGMENT HAS A CONSTANT N

1	0.090
2	0.020
3	0.120

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		

TOTALTRM	374.23	0	0.		0	0	0.00	0.00	0.020	0.000	0.000
H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	374.23	0	0.		0	0	0.00	0.00	0.020	0.000	0.000
H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	374.23	0	0.		0	0	0.00	0.00	0.020	0.000	0.000
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	374.23	0	0.		0	0	0.00	0.00	0.020	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	374.23	0	0.		0	0	0.00	0.00	0.020	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	374.23	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	374.23	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	573	33983.	100.	807	807	0.71	0.80	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	374.23	573	33983.		807	807	0.71	0.80	0.020	0.796	0.020

H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	6076	1350854.	100.	1178	1178	5.15	2.98	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	374.23	6076	1350854.		1178	1178	5.15	2.98	0.020	2.984	0.020

H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	12240	4090721.	100.	1287	1288	9.50	4.49	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	374.23	12240	4090721.		1287	1288	9.50	4.49	0.020	4.486	0.020

H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	18950	8026415.	100.	1396	1398	13.56	5.69	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	374.23	18950	8026415.		1396	1398	13.56	5.69	0.020	5.686	0.020

H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.090		
	SEGMENT 2	26359	11374135.	100.	1889	1891	13.94	5.79	0.020		

	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120			
TOTALTRM	374.23	26359	11374135.		1889	1891	13.94	5.79	0.020	5.792	0.020	
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	3	21.	0.	12	12	0.25	0.40	0.090			
	SEGMENT 2	43811	13155827.	100.	5411	5413	8.09	4.03	0.020			
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120			
TOTALTRM	374.23	43814	13155848.		5424	5426	8.09	4.03	0.020	4.025	0.020	
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	390	12678.	0.	141	142	2.75	1.96	0.090			
	SEGMENT 2	72360	28470476.	100.	5959	5962	12.14	5.28	0.020			
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120			
TOTALTRM	374.23	72750	28483154.		6101	6104	12.05	5.26	0.020	5.218	0.020	
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	1422	71107.	0.	270	271	5.25	3.02	0.090			
	SEGMENT 2	102298	50134408.	100.	6060	6063	16.87	6.58	0.020			
	SEGMENT 3	0	2.	0.	2	2	0.24	0.39	0.120			
TOTALTRM	374.23	103721	50205520.		6332	6336	16.56	6.50	0.020	6.447	0.020	
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	3100	200889.	0.	400	400	7.74	3.91	0.090			
	SEGMENT 2	132598	77253496.	100.	6060	6063	21.87	7.82	0.020			
	SEGMENT 3	60	1445.	0.	22	22	2.67	1.92	0.120			
TOTALTRM	374.23	135759	77455832.		6482	6486	21.19	7.66	0.020	7.596	0.020	
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP	
	SEGMENT 1	6881	437781.	0.	912	913	7.53	3.84	0.090			
	SEGMENT 2	162898	108863472.	100.	6060	6063	26.87	8.97	0.020			
	SEGMENT 3	220	8112.	0.	41	43	5.10	2.96	0.120			
TOTALTRM	374.23	170000	109309368.		7014	7019	25.36	8.63	0.020	8.371	0.019	

H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	12225	937296.	1.	1225	1226	9.97	4.63	0.090		
	SEGMENT 2	193198	144663840.	99.	6060	6063	31.86	10.05	0.020		
	SEGMENT 3	478	22907.	0.	61	63	7.57	3.86	0.120		
TOTALTRM	374.23	205902	145624048.		7346	7353	29.25	9.49	0.020	9.222	0.019

H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	19131	1699027.	1.	1537	1539	12.42	5.36	0.090		
	SEGMENT 2	223498	184421456.	99.	6060	6063	36.86	11.08	0.020		
	SEGMENT 3	833	48080.	0.	80	83	10.02	4.65	0.120		
TOTALTRM	374.23	243463	186168576.		7678	7686	32.88	10.26	0.020	10.012	0.019

H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	27600	2766137.	1.	1850	1853	14.89	6.05	0.090		
	SEGMENT 2	253798	227947872.	99.	6060	6063	41.86	12.06	0.020		
	SEGMENT 3	1285	85715.	0.	100	103	12.45	5.37	0.120		
TOTALTRM	374.23	282683	230799728.		8010	8019	36.28	10.96	0.020	10.752	0.020

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	38381	3961377.	1.	2462	2465	15.57	6.23	0.090		
	SEGMENT 2	284098	275086112.	99.	6060	6063	46.86	13.00	0.020		
	SEGMENT 3	1841	136471.	0.	122	126	14.58	5.97	0.120		
TOTALTRM	374.23	324321	279183968.		8645	8655	39.28	11.55	0.020	11.199	0.019

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	52225	5708490.	2.	3075	3078	16.96	6.60	0.090		
	SEGMENT 2	314398	325702592.	98.	6060	6063	51.85	13.91	0.020		
	SEGMENT 3	2510	204530.	0.	145	149	16.81	6.56	0.120		
TOTALTRM	374.23	369133	331615648.		9280	9290	41.87	12.06	0.020	11.645	0.019

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	69131	8071612.	2.	3687	3691	18.73	7.05	0.090		

	SEGMENT 2	344698	379681504.	98.	6060	6063	56.85	14.79	0.020		
	SEGMENT 3	3291	291969.	0.	167	172	19.10	7.14	0.120		
TOTALTRM	374.23	417121	388045088.		9915	9926	44.13	12.49	0.020	12.088	0.019
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	89100	11121618.	2.	4300	4303	20.70	7.54	0.090		
	SEGMENT 2	374998	436921088.	97.	6060	6063	61.85	15.64	0.020		
	SEGMENT 3	4185	400762.	0.	190	195	21.42	7.71	0.120		
TOTALTRM	374.23	468283	448443488.		10550	10562	46.09	12.85	0.020	12.528	0.019
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	110850	15749004.	3.	4400	4409	25.14	8.58	0.090		
	SEGMENT 2	405298	497330912.	97.	6060	6063	66.85	16.47	0.020		
	SEGMENT 3	5153	550228.	0.	197	204	25.21	8.60	0.120		
TOTALTRM	374.23	521302	513630176.		10657	10676	48.10	13.23	0.020	13.360	0.020
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	133100	21028642.	4.	4500	4514	29.48	9.54	0.090		
	SEGMENT 2	435598	560829824.	96.	6060	6063	71.84	17.28	0.020		
	SEGMENT 3	6160	719688.	0.	205	213	28.86	9.41	0.120		
TOTALTRM	374.23	574858	582578112.		10765	10791	50.17	13.60	0.020	14.159	0.021
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	155850	26936318.	4.	4600	4620	33.73	10.44	0.090		
	SEGMENT 2	465898	627344320.	96.	6060	6063	76.84	18.07	0.020		
	SEGMENT 3	7203	908790.	0.	212	222	32.39	10.16	0.120		
TOTALTRM	374.23	628952	655189440.		10872	10906	52.29	13.98	0.020	14.929	0.021
H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	179100	33454114.	5.	4700	4725	37.90	11.28	0.090		
	SEGMENT 2	496198	696807552.	95.	6060	6063	81.84	18.85	0.020		
	SEGMENT 3	8285	1117341.	0.	220	231	35.80	10.86	0.120		
TOTALTRM	374.23	683583	731379008.		10980	11020	54.42	14.36	0.020	15.672	0.022

1 SECTION 26 20 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	0.	660.0	1	500.	600.0	1	1900.	600.0	1	2400.	640.0	1	2900.	600.0
2	3000.	584.3	2	4200.	580.0	2	6080.	581.1	2	6860.	584.5	2	6960.	584.5
2	7050.	559.5	2	7330.	556.5	2	7525.	556.2	2	7780.	557.0	2	8260.	560.5
2	8350.	559.5	2	8440.	585.9	2	9520.	587.0	2	9560.	600.0	3	11201.	660.0

EACH SEGMENT HAS A CONSTANT N

1	0.100
2	0.020
3	0.120

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		

TOTALTRM	372.13	0	0.		0	0	0.00	0.00	0.020	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	0	0.		0	0	0.00	0.00	0.020	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	0	0.		0	0	0.00	0.00	0.020	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	0	0.		0	0	0.00	0.00	0.020	0.000	0.000
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	2768	362004.	100.	1189	1190	2.33	1.76	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	2768	362004.		1189	1190	2.33	1.76	0.020	1.756	0.020
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	9344	2541009.	100.	1338	1340	6.97	3.65	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	9344	2541009.		1338	1340	6.97	3.65	0.020	3.650	0.020
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	16125	6196251.	100.	1373	1376	11.71	5.16	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	16125	6196251.		1373	1376	11.71	5.16	0.020	5.158	0.020
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	23080	11069815.	100.	1408	1413	16.33	6.44	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	23080	11069815.		1408	1413	16.33	6.44	0.020	6.438	0.020
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	30211	17046680.	100.	1443	1449	20.84	7.57	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	30211	17046680.		1443	1449	20.84	7.57	0.020	7.575	0.020
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1	11.	0.	4	4	0.35	0.49	0.100		
	SEGMENT 2	51069	16922816.	100.	5436	5444	9.38	4.45	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	51070	16922828.		5441	5448	9.38	4.45	0.020	4.446	0.020
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	103	3074.	0.	36	36	2.82	1.99	0.100		
	SEGMENT 2	82115	33058424.	100.	6529	6536	12.56	5.40	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	82219	33061498.		6565	6573	12.54	5.40	0.020	5.389	0.020
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	364	16484.	0.	68	68	5.29	3.03	0.100		
	SEGMENT 2	114800	57689252.	100.	6544	6553	17.52	6.75	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		

TOTALTRM	372.13	115164	57705736.		6612	6622	17.44	6.73	0.020	6.713	0.020
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	785	45826.	0.	100	101	7.76	3.92	0.100		
	SEGMENT 2	147561	87518432.	100.	6560	6569	22.46	7.96	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	148346	87564256.		6660	6670	22.30	7.92	0.020	7.909	0.020
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8701	389904.	0.	1666	1668	5.21	3.01	0.100		
	SEGMENT 2	180703	121000056.	100.	6696	6706	26.95	8.99	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	189405	121389960.		8363	8374	25.23	8.60	0.020	7.998	0.019
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	17451	1166827.	1.	1833	1835	9.51	4.49	0.100		
	SEGMENT 2	214529	158904608.	99.	6833	6842	31.35	9.94	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	231980	160071424.		8666	8678	28.19	9.26	0.020	8.941	0.019
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	27035	2283302.	1.	2000	2003	13.50	5.67	0.100		
	SEGMENT 2	249038	201080880.	99.	6970	6979	35.68	10.84	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	276073	203364192.		8970	8983	31.09	9.89	0.020	9.813	0.020
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	37451	3725978.	1.	2166	2170	17.25	6.68	0.100		
	SEGMENT 2	284231	247414928.	99.	7107	7116	39.94	11.68	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	321683	251140912.		9273	9287	33.92	10.48	0.020	10.627	0.020

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	48701	5493598.	2.	2333	2338	20.83	7.57	0.100		
	SEGMENT 2	320108	297819392.	98.	7243	7253	44.13	12.49	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	368810	303312992.		9577	9591	36.68	11.04	0.020	11.394	0.021

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	60785	7590329.	2.	2500	2505	24.26	8.38	0.100		
	SEGMENT 2	356669	352226656.	98.	7380	7390	48.26	13.26	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	417454	359816960.		9880	9895	39.35	11.57	0.020	12.120	0.021

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	73701	10023201.	2.	2666	2672	27.57	9.13	0.100		
	SEGMENT 2	393913	410584352.	98.	7517	7527	52.33	13.99	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	467615	420607552.		10183	10199	41.95	12.07	0.020	12.811	0.021

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	87451	12800871.	3.	2833	2840	30.79	9.82	0.100		
	SEGMENT 2	431841	472852320.	97.	7654	7664	56.35	14.70	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	519293	485653184.		10487	10504	44.48	12.55	0.020	13.472	0.021

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	101722	16308260.	3.	2875	2882	35.29	10.76	0.100		
	SEGMENT 2	470453	538999808.	97.	7790	7800	60.31	15.38	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	572176	555308096.		10665	10682	47.02	13.03	0.020	14.211	0.022

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	116201	20162660.	3.	2916	2924	39.74	11.65	0.100		
	SEGMENT 2	509749	609003840.	97.	7927	7937	64.22	16.04	0.020		

	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120			
TOTALTRM	372.13	625950	629166464.		10844	10861	49.56	13.49	0.020	14.922	0.022	

H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	130889	24354226.	3.	2958	2966	44.13	12.49	0.100		
	SEGMENT 2	549728	682848128.	97.	8064	8074	68.08	16.67	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	680617	707202304.		11022	11040	52.09	13.95	0.020	15.607	0.022

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	145785	28874988.	4.	3000	3008	48.47	13.29	0.100		
	SEGMENT 2	590391	760521920.	96.	8201	8211	71.90	17.29	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.120		
TOTALTRM	372.13	736176	789396864.		11201	11219	54.61	14.39	0.020	16.271	0.023

1 SECTION 27 36 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	100.	660.0	1	300.	640.0	1	700.	620.0	1	1000.	600.0	1	1125.	595.0
2	1320.	583.0	2	1800.	580.0	2	2820.	574.5	2	3320.	579.6	2	3520.	584.4
2	3570.	584.4	2	3650.	560.3	2	3740.	557.0	2	3925.	557.5	2	4000.	560.5
2	4050.	570.4	2	4100.	586.5	2	4475.	586.6	2	4860.	581.3	2	5110.	581.0
2	5380.	586.8	2	5850.	586.6	2	6020.	557.5	2	6160.	552.4	2	6210.	551.8
2	6325.	550.0	2	6380.	550.3	2	6520.	550.3	2	6640.	556.5	2	6680.	560.0
2	6730.	575.3	2	7130.	579.8	2	7200.	584.3	2	7270.	599.2	3	7330.	604.2
3	7450.	660.0												

EACH SEGMENT HAS A CONSTANT N

1	0.070
2	0.020
3	0.080

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03	0	0.		0	0	0.00	0.00	0.020	0.000	0.000

H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.070		

	SEGMENT	2	1847	319531.	100.	522	522	3.54	2.32	0.020		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03		1847	319531.		522	522	3.54	2.32	0.020	2.321	0.020
H= 560.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT	2	5638	1326472.	100.	1003	1004	5.61	3.16	0.020		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03		5638	1326472.		1003	1004	5.61	3.16	0.020	3.158	0.020
H= 565.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT	2	10958	3753645.	100.	1108	1111	9.86	4.60	0.020		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03		10958	3753645.		1108	1111	9.86	4.60	0.020	4.598	0.020
H= 570.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT	2	16719	7206824.	100.	1195	1201	13.92	5.79	0.020		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03		16719	7206824.		1195	1201	13.92	5.79	0.020	5.786	0.020
H= 575.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT	2	22932	10893788.	100.	1416	1424	16.10	6.38	0.020		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03		22932	10893788.		1416	1424	16.10	6.38	0.020	6.377	0.020
H= 580.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.070		
	SEGMENT	2	34690	12435559.	100.	3276	3286	10.55	4.81	0.020		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03		34690	12435559.		3276	3286	10.55	4.81	0.020	4.812	0.020

H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	32	691.	0.	32	32	1.00	1.00	0.070		
	SEGMENT 2	55472	21017710.	100.	4824	4836	11.47	5.09	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03	55504	21018400.		4856	4869	11.46	5.08	0.020	5.065	0.020

H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	398	19511.	0.	113	113	3.49	2.30	0.070		
	SEGMENT 2	83387	36233288.	100.	5906	5920	14.09	5.83	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03	83785	36252800.		6020	6034	14.00	5.81	0.020	5.778	0.020

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1170	82129.	0.	195	195	5.99	3.30	0.070		
	SEGMENT 2	112980	59947336.	100.	5930	5944	19.01	7.12	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03	114150	60029464.		6125	6139	18.75	7.06	0.020	7.019	0.020

H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2457	203417.	0.	320	320	7.67	3.89	0.070		
	SEGMENT 2	142692	88169784.	100.	5959	5973	23.89	8.29	0.020		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.080		
TOTALTRM	370.03	145150	88373208.		6279	6294	23.36	8.17	0.020	8.103	0.020

H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	4245	439563.	0.	395	395	10.73	4.86	0.070		
	SEGMENT 2	172637	120438432.	100.	6010	6024	28.66	9.36	0.020		
	SEGMENT 3	0	7.	0.	1	1	0.36	0.51	0.080		
TOTALTRM	370.03	176882	120878008.		6406	6422	27.78	9.17	0.020	9.121	0.020

H= 610.00	AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	6407	777458.	0.	470	470	13.61	5.70	0.070		
	SEGMENT 2	202687	157368736.	100.	6010	6024	33.64	10.42	0.020		
	SEGMENT 3	36	1283.	0.	12	13	2.63	1.91	0.080		
TOTALTRM	370.03	209130	158147472.		6492	6509	32.34	10.15	0.020	10.108	0.020
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8945	1228223.	1.	545	545	16.38	6.45	0.070		
	SEGMENT 2	232737	198145552.	99.	6010	6024	38.63	11.43	0.020		
	SEGMENT 3	125	6736.	0.	23	25	4.90	2.88	0.080		
TOTALTRM	370.03	241807	199380512.		6578	6596	36.82	11.07	0.020	11.037	0.020
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	11857	1802822.	1.	620	621	19.09	7.14	0.070		
	SEGMENT 2	262787	242594944.	99.	6010	6024	43.62	12.39	0.020		
	SEGMENT 3	268	18578.	0.	33	37	7.16	3.72	0.080		
TOTALTRM	370.03	274912	244416336.		6663	6683	41.23	11.93	0.020	11.918	0.020
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	15207	2470530.	1.	720	721	21.08	7.63	0.070		
	SEGMENT 2	292837	290570656.	99.	6010	6024	48.61	13.32	0.020		
	SEGMENT 3	465	38674.	0.	44	49	9.43	4.46	0.080		
TOTALTRM	370.03	308509	293079872.		6774	6795	45.53	12.75	0.020	12.728	0.020
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	19057	3299897.	1.	820	821	23.20	8.13	0.070		
	SEGMENT 2	322887	341947552.	99.	6010	6024	53.60	14.22	0.020		
	SEGMENT 3	715	68692.	0.	55	61	11.70	5.15	0.080		
TOTALTRM	370.03	342660	345316160.		6885	6907	49.75	13.53	0.020	13.503	0.020
H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	23407	4305399.	1.	920	921	25.40	8.64	0.070		
	SEGMENT 2	352937	396616288.	99.	6010	6024	58.58	15.08	0.020		
	SEGMENT 3	1020	110168.	0.	66	73	13.96	5.80	0.080		

TOTALTRM	370.03	377364	401031872.		6996	7019	53.88	14.26	0.020	14.247	0.020
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	28257	5501074.	1.	1020	1021	27.66	9.15	0.070		
	SEGMENT 2	382987	454480480.	99.	6010	6024	63.57	15.93	0.020		
	SEGMENT 3	1378	164542.	0.	76	84	16.23	6.41	0.080		
TOTALTRM	370.03	412622	460146112.		7106	7131	57.91	14.97	0.020	14.962	0.020
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	33482	7068918.	1.	1070	1071	31.24	9.92	0.070		
	SEGMENT 2	413037	515454240.	99.	6010	6024	68.56	16.75	0.020		
	SEGMENT 3	1789	233175.	0.	87	96	18.50	6.99	0.080		
TOTALTRM	370.03	448309	522756352.		7167	7193	61.92	15.65	0.020	15.722	0.020
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	38957	8824913.	1.	1120	1122	34.72	10.64	0.070		
	SEGMENT 2	443087	579460096.	98.	6010	6024	73.55	17.55	0.020		
	SEGMENT 3	2255	317368.	0.	98	108	20.76	7.55	0.080		
TOTALTRM	370.03	484300	588602368.		7228	7255	65.89	16.31	0.020	16.458	0.020
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	44682	10771375.	2.	1170	1172	38.11	11.33	0.070		
	SEGMENT 2	473137	646427840.	98.	6010	6024	78.54	18.34	0.020		
	SEGMENT 3	2774	418368.	0.	109	120	23.03	8.10	0.080		
TOTALTRM	370.03	520594	657617536.		7289	7317	69.82	16.96	0.020	17.172	0.020
H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	50657	12911123.	2.	1220	1222	41.43	11.97	0.070		
	SEGMENT 2	503187	716293248.	98.	6010	6024	83.52	19.11	0.020		
	SEGMENT 3	3347	537378.	0.	120	132	25.30	8.62	0.080		
TOTALTRM	370.03	557192	729741760.		7350	7379	73.71	17.58	0.020	17.867	0.020

1 SECTION 28 38 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y

1	50.	660.0	1	300.	640.0	1	800.	620.0	1	1300.	610.0	1	2300.	600.0
2	2400.	595.0	2	2800.	590.0	2	5220.	584.4	2	5510.	579.4	2	5780.	581.8
2	5940.	581.6	2	6000.	584.8	2	6100.	584.4	2	6230.	558.3	2	6330.	555.1
2	6390.	555.7	2	6500.	558.7	2	6590.	563.1	2	6660.	584.4	2	7070.	584.4
2	7190.	579.4	2	7330.	579.4	2	7600.	584.4	2	7650.	584.4	2	7720.	559.8
2	7775.	558.0	2	7950.	555.9	2	8025.	556.0	2	8300.	554.4	2	8530.	556.4
2	8670.	584.4	2	9140.	584.4	2	9280.	589.0	2	9400.	600.0	3	10070.	600.0
3	10150.	620.0	3	10250.	640.0	3	10450.	660.0						

EACH SEGMENT HAS A CONSTANT N

1	0.100
2	0.022
3	0.100

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	0	0.		0	0	0.00	0.00	0.022	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	0	0.		0	0	0.00	0.00	0.022	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	0	0.		0	0	0.00	0.00	0.022	0.000	0.000

H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		

TOTALTRM	367.92	0	0.		0	0	0.00	0.00	0.022	0.000	0.000
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	0	0.		0	0	0.00	0.00	0.022	0.000	0.000
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	0	0.		0	0	0.00	0.00	0.022	0.000	0.000
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	51	1567.	100.	172	172	0.30	0.45	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	51	1567.		172	172	0.30	0.45	0.022	0.448	0.022
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	4246	693509.	100.	1133	1134	3.74	2.41	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	4246	693509.		1133	1134	3.74	2.41	0.022	2.411	0.022
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	10300	2815450.	100.	1267	1270	8.11	4.04	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	10300	2815450.		1267	1270	8.11	4.04	0.022	4.036	0.022

H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	16838	6122998.	100.	1347	1353	12.44	5.37	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	16838	6122998.		1347	1353	12.44	5.37	0.022	5.369	0.022

H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	23779	10460253.	100.	1428	1436	16.55	6.49	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	23779	10460253.		1428	1436	16.55	6.49	0.022	6.495	0.022

H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	31252	14145777.	100.	1798	1808	17.28	6.68	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	31252	14145777.		1798	1808	17.28	6.68	0.022	6.684	0.022

H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	44265	14386529.	100.	4197	4210	10.51	4.80	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	44265	14386529.		4197	4210	10.51	4.80	0.022	4.799	0.022

H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	71025	23676540.	100.	6490	6504	10.92	4.92	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	71025	23676540.		6490	6504	10.92	4.92	0.022	4.922	0.022

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	104616	43157816.	100.	6945	6959	15.03	6.09	0.022		

	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	104616	43157816.		6945	6959	15.03	6.09	0.022	6.092	0.022
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	250	6856.	0.	100	100	2.50	1.84	0.100		
	SEGMENT 2	139479	69338896.	100.	7000	7013	19.89	7.34	0.022		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	367.92	139729	69345752.		7100	7114	19.84	7.33	0.022	7.280	0.022
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2000	66486.	0.	600	600	3.33	2.23	0.100		
	SEGMENT 2	177829	97810176.	100.	7670	7683	23.14	8.12	0.022		
	SEGMENT 3	50	1345.	0.	20	20	2.43	1.81	0.100		
TOTALTRM	367.92	179879	97878000.		8290	8304	22.77	8.03	0.022	7.771	0.021
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6250	296491.	0.	1100	1100	5.68	3.18	0.100		
	SEGMENT 2	216179	135436240.	100.	7670	7683	28.13	9.25	0.022		
	SEGMENT 3	200	8539.	0.	40	41	4.85	2.87	0.100		
TOTALTRM	367.92	222629	135741280.		8810	8825	27.01	9.00	0.022	8.602	0.021
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	12375	807528.	0.	1350	1350	9.17	4.38	0.100		
	SEGMENT 2	254529	177803648.	100.	7670	7683	33.13	10.31	0.022		
	SEGMENT 3	450	25177.	0.	60	61	7.28	3.75	0.100		
TOTALTRM	367.92	267354	178636368.		9080	9095	30.99	9.87	0.022	9.525	0.021
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	19750	1571575.	1.	1600	1600	12.34	5.34	0.100		
	SEGMENT 2	292879	224659760.	99.	7670	7683	38.12	11.33	0.022		
	SEGMENT 3	800	54221.	0.	80	82	9.70	4.55	0.100		
TOTALTRM	367.92	313429	226285568.		9350	9366	34.80	10.66	0.022	10.385	0.021

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	28062	2684157.	1.	1725	1725	16.26	6.42	0.100		
	SEGMENT 2	331229	275798496.	99.	7670	7683	43.11	12.29	0.022		
	SEGMENT 3	1262	96918.	0.	105	107	11.69	5.15	0.100		
TOTALTRM	367.92	360554	278579584.		9500	9517	38.53	11.41	0.022	11.281	0.022

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	37000	4061318.	1.	1850	1850	19.99	7.37	0.100		
	SEGMENT 2	369579	331047200.	99.	7670	7683	48.10	13.23	0.022		
	SEGMENT 3	1850	159070.	0.	130	133	13.86	5.77	0.100		
TOTALTRM	367.92	408429	335267584.		9650	9667	42.20	12.12	0.022	12.131	0.022

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	46562	5703190.	1.	1975	1975	23.57	8.22	0.100		
	SEGMENT 2	407929	390258080.	98.	7670	7683	53.09	14.13	0.022		
	SEGMENT 3	2562	243663.	0.	155	158	16.12	6.38	0.100		
TOTALTRM	367.92	457054	396204896.		9800	9818	45.79	12.80	0.022	12.942	0.022

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	56750	7613018.	2.	2100	2100	27.02	9.00	0.100		
	SEGMENT 2	446279	453302624.	98.	7670	7683	58.08	15.00	0.022		
	SEGMENT 3	3400	353517.	0.	180	184	18.43	6.98	0.100		
TOTALTRM	367.92	506429	461269152.		9950	9969	49.32	13.45	0.022	13.718	0.022

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	67406	9944862.	2.	2162	2163	31.16	9.90	0.100		
	SEGMENT 2	484629	520067488.	98.	7670	7683	63.07	15.84	0.022		
	SEGMENT 3	4425	467064.	0.	230	234	18.85	7.08	0.100		
TOTALTRM	367.92	556461	530479424.		10062	10081	52.81	14.08	0.022	14.498	0.023

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	78375	12544571.	2.	2225	2226	35.21	10.74	0.100		

	SEGMENT 2	522979	590451648.	98.	7670	7683	68.06	16.67	0.022		
	SEGMENT 3	5700	625856.	0.	280	284	20.00	7.37	0.100		
TOTALTRM	367.92	607055	603622080.		10175	10194	56.25	14.68	0.022	15.251	0.023

H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	89656	15408202.	2.	2287	2288	39.17	11.53	0.100		
	SEGMENT 2	561330	664364416.	98.	7670	7683	73.05	17.48	0.022		
	SEGMENT 3	7225	833786.	0.	330	335	21.55	7.75	0.100		
TOTALTRM	367.92	658211	680606400.		10287	10307	59.66	15.27	0.022	15.978	0.023

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	101250	18533236.	2.	2350	2351	43.06	12.28	0.100		
	SEGMENT 2	599679	741723072.	97.	7670	7683	78.04	18.26	0.022		
	SEGMENT 3	9000	1095517.	0.	380	385	23.35	8.17	0.100		
TOTALTRM	367.92	709929	761351808.		10400	10420	63.01	15.83	0.022	16.683	0.023

1 SECTION 29 31 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	-665.	660.0	1	1135.	640.0	1	1935.	600.0	2	2200.	585.2	2	4150.	574.6
2	4250.	579.3	2	4600.	579.3	2	4620.	574.0	2	4700.	561.3	2	4800.	557.0
2	5200.	555.7	2	5470.	555.7	2	5580.	554.0	2	5850.	553.2	2	5950.	559.8
2	5980.	560.2	2	6070.	579.5	2	7200.	579.5	2	7260.	584.5	2	7450.	589.4
2	7500.	589.4	2	7600.	584.5	2	7650.	579.4	2	8125.	579.4	2	8600.	584.4
2	8680.	589.4	2	9160.	594.4	2	9200.	596.0	3	9280.	599.0	3	9450.	600.0
3	9850.	660.0												

EACH SEGMENT HAS A CONSTANT N

1	0.100
2	0.025
3	0.090

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		

	SEGMENT	2	434	29290.	100.	361	362	1.20	1.13	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82		434	29290.		361	362	1.20	1.13	0.025	1.130	0.025
H= 560.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT	2	5371	853030.	100.	1234	1235	4.35	2.66	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82		5371	853030.		1234	1235	4.35	2.66	0.025	2.665	0.025
H= 565.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT	2	11847	3039059.	100.	1325	1326	8.93	4.30	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82		11847	3039059.		1325	1326	8.93	4.30	0.025	4.304	0.025
H= 570.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT	2	18612	6277851.	100.	1380	1382	13.46	5.66	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82		18612	6277851.		1380	1382	13.46	5.66	0.025	5.660	0.025
H= 575.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT	2	25667	10078243.	100.	1514	1517	16.91	6.59	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82		25667	10078243.		1514	1517	16.91	6.59	0.025	6.589	0.025
H= 580.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT	2	37021	8872222.	100.	4587	4591	8.06	4.02	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82		37021	8872222.		4587	4591	8.06	4.02	0.025	4.021	0.025

H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	63707	18207342.	100.	6062	6067	10.50	4.80	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82	63707	18207342.		6062	6067	10.50	4.80	0.025	4.796	0.025

H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	206	5504.	0.	85	86	2.40	1.79	0.100		
	SEGMENT 2	95173	33801792.	100.	6537	6542	14.55	5.96	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82	95380	33807296.		6623	6628	14.50	5.95	0.025	5.916	0.025

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	859	36921.	0.	175	175	4.89	2.88	0.100		
	SEGMENT 2	129048	53777068.	100.	6974	6980	18.49	6.99	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	365.82	129908	53813992.		7150	7155	18.32	6.95	0.025	6.908	0.025

H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1960	110841.	0.	265	265	7.39	3.79	0.100		
	SEGMENT 2	164236	79578560.	100.	7080	7085	23.18	8.13	0.025		
	SEGMENT 3	85	886.	0.	170	170	0.50	0.63	0.090		
TOTALTRM	365.82	166282	79690288.		7515	7520	22.80	8.04	0.025	7.878	0.024

H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3535	239195.	0.	365	365	9.67	4.54	0.100		
	SEGMENT 2	199636	110174200.	100.	7080	7085	28.18	9.26	0.025		
	SEGMENT 3	1018	49289.	0.	203	203	5.00	2.92	0.090		
TOTALTRM	365.82	204190	110462680.		7648	7654	27.35	9.08	0.025	8.929	0.025

H= 610.00	AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	5610	439412.	0.	465	465	12.05	5.26	0.100		
	SEGMENT 2	235036	144623488.	100.	7080	7085	33.17	10.32	0.025		
	SEGMENT 3	2118	150867.	0.	236	237	8.92	4.30	0.090		
TOTALTRM	365.82	242765	145213760.		7781	7788	31.80	10.04	0.025	9.906	0.025
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8185	724219.	0.	565	565	14.47	5.94	0.100		
	SEGMENT 2	270436	182721168.	99.	7080	7085	38.17	11.34	0.025		
	SEGMENT 3	3385	301600.	0.	270	271	12.49	5.38	0.090		
TOTALTRM	365.82	282007	183746992.		7915	7922	36.15	10.93	0.025	10.823	0.025
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	11260	1105443.	0.	665	665	16.91	6.59	0.100		
	SEGMENT 2	305836	224299840.	99.	7080	7085	43.17	12.31	0.025		
	SEGMENT 3	4818	502422.	0.	303	304	15.81	6.30	0.090		
TOTALTRM	365.82	321915	225907696.		8048	8055	40.40	11.77	0.025	11.690	0.025
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	14835	1594217.	1.	765	766	19.37	7.21	0.100		
	SEGMENT 2	341236	269219104.	99.	7080	7085	48.16	13.24	0.025		
	SEGMENT 3	6418	755520.	0.	336	338	18.96	7.11	0.090		
TOTALTRM	365.82	362490	271568864.		8181	8189	44.57	12.57	0.025	12.514	0.025
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	18910	2201122.	1.	865	866	21.83	7.81	0.100		
	SEGMENT 2	376636	317359008.	99.	7080	7085	53.16	14.14	0.025		
	SEGMENT 3	8185	1063553.	0.	370	372	21.99	7.85	0.090		
TOTALTRM	365.82	403732	320623680.		8315	8323	48.64	13.32	0.025	13.302	0.025
H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	23485	2936278.	1.	965	966	24.31	8.39	0.100		
	SEGMENT 2	412036	368614912.	99.	7080	7085	58.15	15.01	0.025		
	SEGMENT 3	10118	1429375.	0.	403	405	24.93	8.53	0.090		

TOTALTRM	365.82	445640	372980576.		8448	8457	52.62	14.04	0.025	14.057	0.025
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	28560	3809417.	1.	1065	1066	26.78	8.95	0.100		
	SEGMENT 2	447436	422894912.	99.	7080	7085	63.15	15.86	0.025		
	SEGMENT 3	12218	1855911.	0.	436	439	27.79	9.17	0.090		
TOTALTRM	365.82	488215	428560224.		8581	8591	56.52	14.73	0.025	14.783	0.025
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	35011	4229708.	1.	1515	1516	23.09	8.11	0.100		
	SEGMENT 2	482836	480116832.	99.	7080	7085	68.15	16.68	0.025		
	SEGMENT 3	14485	2346105.	0.	470	473	30.60	9.78	0.090		
TOTALTRM	365.82	532332	486692640.		9065	9074	60.08	15.34	0.025	15.099	0.025
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	43711	5148882.	1.	1965	1966	22.23	7.91	0.100		
	SEGMENT 2	518236	540206912.	99.	7080	7085	73.14	17.49	0.025		
	SEGMENT 3	16918	2902889.	1.	503	507	33.37	10.36	0.090		
TOTALTRM	365.82	578865	548258688.		9548	9558	63.35	15.89	0.025	15.423	0.024
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	54661	6514157.	1.	2415	2416	22.62	8.00	0.100		
	SEGMENT 2	553636	603098112.	98.	7080	7085	78.14	18.28	0.025		
	SEGMENT 3	19518	3529168.	1.	536	540	36.09	10.92	0.090		
TOTALTRM	365.82	627815	613141440.		10031	10042	66.33	16.39	0.025	15.754	0.024
H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	67861	8336487.	1.	2865	2866	23.67	8.24	0.100		
	SEGMENT 2	589036	668729472.	98.	7080	7085	83.14	19.05	0.025		
	SEGMENT 3	22285	4227815.	1.	570	574	38.79	11.46	0.090		
TOTALTRM	365.82	679182	681293760.		10515	10526	69.05	16.83	0.025	16.089	0.024

1 SECTION 30 38 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y

1	50.	660.0	1	150.	640.0	1	350.	620.0	1	700.	600.0	1	1000.	600.0
2	1270.	590.0	2	1360.	578.8	2	1930.	576.0	2	2120.	584.2	2	2270.	584.0
2	2340.	582.0	2	2475.	558.9	2	2770.	550.3	2	3000.	550.5	2	3130.	549.7
2	3190.	551.0	2	3370.	552.0	2	3470.	554.0	2	3530.	574.0	2	3550.	583.0
2	4110.	586.0	2	4175.	576.0	2	4250.	567.6	2	4350.	565.2	2	4470.	567.1
2	4500.	577.0	2	4700.	580.0	2	5550.	579.0	2	5625.	572.1	2	5770.	571.4
2	5810.	571.5	2	6000.	571.2	2	6350.	573.0	2	6650.	576.0	2	6745.	597.0
3	6850.	620.0	3	9500.	640.0	3	9501.	660.0						

EACH SEGMENT HAS A CONSTANT N

1	0.120
2	0.025
3	0.090

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		

TOTALTRM	363.72		0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 545.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT	2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72		0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 550.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT	2	9	158.	100.	62	62	0.15	0.28	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72		9	158.		62	62	0.15	0.28	0.025	0.282	0.025
H= 555.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT	2	3184	452667.	100.	864	864	3.68	2.39	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72		3184	452667.		864	864	3.68	2.39	0.025	2.385	0.025
H= 560.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT	2	7954	1863588.	100.	1019	1020	7.79	3.93	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72		7954	1863588.		1019	1020	7.79	3.93	0.025	3.931	0.025
H= 565.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT	2	13162	4190431.	100.	1063	1066	12.35	5.34	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72		13162	4190431.		1063	1066	12.35	5.34	0.025	5.342	0.025

H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	19451	6822712.	100.	1358	1362	14.28	5.89	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72	19451	6822712.		1358	1362	14.28	5.89	0.025	5.886	0.025

H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	29069	9075204.	100.	2417	2424	11.99	5.24	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72	29069	9075204.		2417	2424	11.99	5.24	0.025	5.239	0.025

H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	44390	12365825.	100.	4383	4392	10.10	4.67	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72	44390	12365825.		4383	4392	10.10	4.67	0.025	4.674	0.025

H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	67544	22246412.	100.	5187	5199	12.99	5.53	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72	67544	22246412.		5187	5199	12.99	5.53	0.025	5.527	0.025

H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	94507	37707232.	100.	5443	5456	17.32	6.69	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72	94507	37707232.		5443	5456	17.32	6.69	0.025	6.695	0.025

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	337	7716.	0.	135	135	2.50	1.84	0.120		
	SEGMENT 2	121780	57374416.	100.	5465	5479	22.22	7.90	0.025		

	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72		122118	57382132.		5600	5614	22.14	7.88	0.025	7.793	0.025
H= 600.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	1350	48991.	0.	270	270	5.00	2.92	0.120		
	SEGMENT	2	149167	80226000.	100.	5488	5502	27.11	9.02	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72		150517	80274992.		5758	5772	26.77	8.95	0.025	8.794	0.025
H= 605.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	4418	195327.	0.	657	657	6.72	3.56	0.120		
	SEGMENT	2	176667	106062384.	100.	5511	5526	31.97	10.07	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72		181086	106257712.		6169	6183	30.89	9.85	0.025	9.502	0.024
H= 610.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	7925	475755.	0.	745	745	10.63	4.83	0.120		
	SEGMENT	2	204282	134729456.	100.	5534	5549	36.81	11.07	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72		212207	135205200.		6279	6294	34.95	10.69	0.025	10.437	0.024
H= 615.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	11868	866052.	1.	832	833	14.25	5.88	0.120		
	SEGMENT	2	232011	166102400.	99.	5557	5572	41.63	12.01	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72		243880	166968448.		6389	6405	38.93	11.49	0.025	11.318	0.025
H= 620.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	16250	1367721.	1.	920	920	17.65	6.78	0.120		
	SEGMENT	2	259854	200077776.	99.	5580	5596	46.43	12.92	0.025		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.090		
TOTALTRM	363.72		276104	201445504.		6500	6516	42.83	12.24	0.025	12.155	0.025

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	20975	2020043.	1.	970	971	21.60	7.76	0.120		
	SEGMENT 2	287754	237147600.	99.	5580	5596	51.42	13.83	0.025		
	SEGMENT 3	1656	50507.	0.	662	662	2.50	1.84	0.090		
TOTALTRM	363.72	310385	239218144.		7212	7229	46.50	12.93	0.025	12.262	0.024

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	25950	2784910.	1.	1020	1021	25.41	8.64	0.120		
	SEGMENT 2	315654	276695360.	99.	5580	5596	56.40	14.71	0.025		
	SEGMENT 3	6625	320702.	0.	1325	1325	5.00	2.92	0.090		
TOTALTRM	363.72	348229	279800992.		7925	7942	49.50	13.48	0.025	12.435	0.023

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	31175	3661732.	1.	1070	1071	29.09	9.46	0.120		
	SEGMENT 2	343554	318645664.	99.	5580	5596	61.39	15.56	0.025		
	SEGMENT 3	14906	945536.	0.	1987	1987	7.50	3.83	0.090		
TOTALTRM	363.72	389635	323252960.		8637	8655	51.93	13.92	0.025	12.656	0.023

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	36650	4650826.	1.	1120	1121	32.67	10.22	0.120		
	SEGMENT 2	371454	362931552.	98.	5580	5596	66.38	16.39	0.025		
	SEGMENT 3	26500	2036330.	1.	2650	2650	10.00	4.64	0.090		
TOTALTRM	363.72	434604	369618688.		9350	9368	53.90	14.27	0.025	12.913	0.023

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	42312	5821226.	1.	1145	1147	36.88	11.08	0.120		
	SEGMENT 2	399354	409492864.	98.	5580	5596	71.36	17.20	0.025		
	SEGMENT 3	39750	3997592.	1.	2650	2655	14.97	6.07	0.090		
TOTALTRM	363.72	481417	419311680.		9375	9398	55.87	14.61	0.025	13.794	0.024

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	48100	7103048.	2.	1170	1172	41.01	11.89	0.120		

	SEGMENT 2	427254	458275328.	97.	5580	5596	76.35	18.00	0.025		
	SEGMENT 3	53002	6449218.	1.	2650	2660	19.93	7.35	0.090		
TOTALTRM	363.72	528356	471827584.		9400	9429	58.00	14.98	0.025	14.645	0.024

H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	54012	8494411.	2.	1195	1198	45.08	12.67	0.120		
	SEGMENT 2	455154	509229408.	97.	5580	5596	81.33	18.77	0.025		
	SEGMENT 3	66255	9343437.	2.	2650	2665	24.86	8.52	0.090		
TOTALTRM	363.72	575422	527067264.		9425	9459	60.25	15.37	0.025	15.469	0.025

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	60050	9993909.	2.	1220	1223	49.07	13.40	0.120		
	SEGMENT 2	483054	562309824.	96.	5580	5596	86.32	19.53	0.025		
	SEGMENT 3	79510	12646246.	2.	2651	2670	29.78	9.61	0.090		
TOTALTRM	363.72	622614	584950016.		9451	9490	62.59	15.76	0.025	16.269	0.026

1 SECTION 31 36 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	40.	660.0	1	338.	596.0	2	420.	579.5	2	1270.	577.0	2	2475.	579.5
2	2800.	579.0	2	2950.	579.0	2	3100.	578.9	2	3240.	579.7	2	3340.	582.2
2	3375.	582.7	2	3490.	551.8	2	3590.	550.0	2	3834.	548.8	2	4100.	545.6
2	4320.	548.2	2	4525.	553.8	2	4560.	556.0	2	4650.	577.8	2	4830.	580.3
2	5200.	576.5	2	5370.	579.0	2	5430.	584.0	2	5590.	594.0	3	5690.	599.0
3	5840.	600.0	3	5975.	620.0	3	6460.	639.5	3	6610.	660.0	3	6890.	620.0
3	7090.	610.0	3	8090.	602.0	3	8990.	602.0	3	9390.	610.0	3	10390.	620.0
3	11660.	660.0												

EACH SEGMENT HAS A CONSTANT N

1	0.130
2	0.029
3	0.150

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.130		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	361.62	0	0.		0	0	0.00	0.00	0.029	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.130		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	361.62	0	0.		0	0	0.00	0.00	0.029	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.130		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	361.62	0	0.		0	0	0.00	0.00	0.029	0.000	0.000

H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.130		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	361.62	0	0.		0	0	0.00	0.00	0.029	0.000	0.000

H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.130		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	361.62	0	0.		0	0	0.00	0.00	0.029	0.000	0.000

H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.130		
	SEGMENT 2	1632	135401.	100.	795	795	2.05	1.61	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	361.62	1632	135401.		795	795	2.05	1.61	0.029	1.614	0.029

H= 555.00	AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.130		
	SEGMENT 2	6483	1109592.	100.	1066	1066	6.08	3.33	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	361.62	6483	1109592.		1066	1066	6.08	3.33	0.029	3.331	0.029
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.130		
	SEGMENT 2	11964	2984019.	100.	1117	1118	10.69	4.85	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	361.62	11964	2984019.		1117	1118	10.69	4.85	0.029	4.854	0.029
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.130		
	SEGMENT 2	17648	5569589.	100.	1156	1159	15.22	6.14	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	361.62	17648	5569589.		1156	1159	15.22	6.14	0.029	6.143	0.029
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.130		
	SEGMENT 2	23527	8790485.	100.	1195	1199	19.61	7.27	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	361.62	23527	8790485.		1195	1199	19.61	7.27	0.029	7.273	0.029
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.130		
	SEGMENT 2	29603	12608742.	100.	1234	1240	23.87	8.29	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	361.62	29603	12608742.		1234	1240	23.87	8.29	0.029	8.291	0.029
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	3.	0.	2	2	0.25	0.39	0.130		
	SEGMENT 2	41271	8918784.	100.	4778	4784	8.63	4.21	0.029		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		

TOTALTRM	361.62		41272	8918787.		4780	4787	8.63	4.21	0.029	4.205	0.029
H= 585.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	75	1669.	0.	27	27	2.70	1.94	0.130		
	SEGMENT	2	66030	18871022.	100.	5026	5033	13.12	5.56	0.029		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	361.62		66105	18872692.		5053	5061	13.10	5.56	0.029	5.547	0.029
H= 590.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	273	9360.	0.	52	53	5.15	2.98	0.130		
	SEGMENT	2	91360	32080780.	100.	5106	5113	17.87	6.83	0.029		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	361.62		91634	32090140.		5158	5166	17.79	6.82	0.029	6.802	0.029
H= 595.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	596	26444.	0.	77	78	7.60	3.86	0.130		
	SEGMENT	2	117092	47988500.	100.	5190	5197	22.53	7.98	0.029		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	361.62		117689	48014944.		5267	5276	22.38	7.94	0.029	7.925	0.029
H= 600.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	1041	55953.	0.	100	102	10.14	4.69	0.130		
	SEGMENT	2	143282	66499192.	100.	5270	5277	27.15	9.03	0.029		
	SEGMENT	3	75	469.	0.	150	150	0.50	0.63	0.150		
TOTALTRM	361.62		144398	66555612.		5520	5530	26.87	8.97	0.029	8.802	0.028
H= 605.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	1603	99868.	0.	123	126	12.67	5.44	0.130		
	SEGMENT	2	169632	88106872.	100.	5270	5277	32.14	10.11	0.029		
	SEGMENT	3	4396	85363.	0.	1608	1609	2.73	1.95	0.150		
TOTALTRM	361.62		175632	88292096.		7002	7013	30.61	9.78	0.029	8.561	0.025
H= 610.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT	1	2280	160221.	0.	147	150	15.17	6.13	0.130		
	SEGMENT	2	195982	112078848.	99.	5270	5277	37.13	11.13	0.029		
	SEGMENT	3	14712	474054.	0.	2517	2518	5.84	3.24	0.150		
TOTALTRM	361.62		212975	112713128.		7934	7946	33.06	10.30	0.029	8.957	0.025
H= 615.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	3074	238997.	0.	170	174	17.66	6.78	0.130		
	SEGMENT	2	222332	138303536.	99.	5270	5277	42.13	12.11	0.029		
	SEGMENT	3	28884	1256277.	1.	3151	3152	9.16	4.38	0.150		
TOTALTRM	361.62		254291	139798800.		8591	8604	35.00	10.70	0.029	9.560	0.026
H= 620.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	3985	338083.	0.	193	197	20.13	7.40	0.130		
	SEGMENT	2	248682	166687808.	98.	5270	5277	47.12	13.05	0.029		
	SEGMENT	3	46225	2434267.	1.	3785	3786	12.21	5.30	0.150		
TOTALTRM	361.62		298892	169460160.		9248	9262	36.66	11.03	0.029	10.137	0.027
H= 625.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	5012	459282.	0.	217	221	22.60	7.99	0.130		
	SEGMENT	2	275032	197152320.	98.	5270	5277	52.11	13.95	0.029		
	SEGMENT	3	65945	4170180.	2.	4103	4105	16.06	6.37	0.150		
TOTALTRM	361.62		345989	201781776.		9590	9604	38.24	11.35	0.029	10.909	0.028
H= 630.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	6155	604329.	0.	240	245	25.07	8.57	0.130		
	SEGMENT	2	301382	229628256.	97.	5270	5277	57.11	14.83	0.029		
	SEGMENT	3	87256	6327028.	3.	4421	4424	19.72	7.30	0.150		
TOTALTRM	361.62		394794	236559600.		9931	9947	39.83	11.66	0.029	11.637	0.029
H= 635.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	7415	774896.	0.	263	269	27.53	9.12	0.130		
	SEGMENT	2	327732	264055072.	96.	5270	5277	62.10	15.68	0.029		
	SEGMENT	3	110157	8907595.	3.	4739	4742	23.23	8.14	0.150		

TOTALTRM	361.62		445305	273737568.		10272	10289	41.38	11.96	0.029	12.328	0.030
H= 640.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	8791	972603.	0.	286	293	29.99	9.65	0.130		
	SEGMENT	2	354082	300378944.	96.	5270	5277	67.09	16.51	0.029		
	SEGMENT	3	134647	11932757.	4.	5048	5052	26.65	8.92	0.150		
TOTALTRM	361.62		497521	313284320.		10605	10623	42.91	12.26	0.029	12.994	0.031
H= 645.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	10284	1199024.	0.	310	317	32.44	10.17	0.130		
	SEGMENT	2	380432	338551520.	95.	5270	5277	72.08	17.32	0.029		
	SEGMENT	3	160466	15515632.	4.	5278	5283	30.37	9.73	0.150		
TOTALTRM	361.62		551182	355266176.		10859	10878	44.43	12.54	0.029	13.694	0.032
H= 650.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	11893	1455690.	0.	333	340	34.90	10.68	0.130		
	SEGMENT	2	406782	378529056.	95.	5270	5277	77.08	18.11	0.029		
	SEGMENT	3	187437	19535642.	5.	5509	5514	33.99	10.49	0.150		
TOTALTRM	361.62		606112	399520384.		11112	11133	45.95	12.83	0.029	14.366	0.032
H= 655.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	13618	1744096.	0.	356	364	37.35	11.17	0.130		
	SEGMENT	2	433132	420271648.	94.	5270	5277	82.07	18.89	0.029		
	SEGMENT	3	215559	23995416.	5.	5739	5746	37.51	11.21	0.150		
TOTALTRM	361.62		662310	446011168.		11366	11388	47.45	13.11	0.029	15.013	0.033
H= 660.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	15460	2065700.	0.	380	388	39.80	11.66	0.130		
	SEGMENT	2	459482	463742752.	94.	5270	5277	87.06	19.64	0.029		
	SEGMENT	3	244833	28899114.	6.	5970	5977	40.96	11.88	0.150		
TOTALTRM	361.62		719776	494707552.		11620	11643	48.93	13.38	0.029	15.637	0.034

1 SECTION 32 56 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	100.	660.0	1	700.	620.0	1	800.	600.0	1	900.	595.2	1	1010.	594.0
2	1030.	586.0	2	1070.	579.0	2	1140.	574.0	2	1160.	569.0	2	1200.	564.0
2	1201.	559.0	2	1260.	559.6	2	1330.	563.1	2	1380.	571.7	2	1400.	577.5
2	1410.	574.0	2	1440.	577.3	2	1630.	576.0	2	2425.	575.7	2	2600.	576.0
2	2800.	573.8	2	2910.	574.0	2	3030.	578.3	2	3280.	577.2	2	3500.	581.0
2	3640.	574.0	2	4060.	578.2	2	4225.	572.3	2	4250.	555.0	2	4300.	551.0
2	4310.	549.3	2	4490.	548.2	2	4600.	547.5	2	4770.	547.1	2	4940.	548.8
2	5225.	558.3	2	5310.	559.8	2	5350.	579.5	2	5580.	576.2	2	5750.	576.0
2	6300.	578.5	2	6650.	583.3	2	7050.	587.2	2	7120.	586.7	2	7600.	589.0
2	8100.	595.0	3	8200.	600.0	3	8380.	640.0	3	8520.	660.0	3	8800.	620.0
3	9000.	610.0	3	10000.	602.0	3	10900.	602.0	3	11300.	610.0	3	12300.	620.0
3	13570.	660.0												

EACH SEGMENT HAS A CONSTANT N

1	0.120
2	0.025
3	0.100

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	1292	119280.	100.	670	670	1.93	1.55	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	1292	119280.		670	670	1.93	1.55	0.025	1.549	0.025

H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	5144	997595.	100.	876	876	5.87	3.25	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	5144	997595.		876	876	5.87	3.25	0.025	3.254	0.025

H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	9997	2537305.	100.	1134	1137	8.79	4.26	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	9997	2537305.		1134	1137	8.79	4.26	0.025	4.259	0.025

H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	15946	5207359.	100.	1234	1243	12.83	5.48	0.025		

	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	15946	5207359.		1234	1243	12.83	5.48	0.025	5.480	0.025
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	22330	8729710.	100.	1316	1329	16.80	6.56	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	22330	8729710.		1316	1329	16.80	6.56	0.025	6.560	0.025
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	29434	11090113.	100.	1835	1851	15.89	6.32	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	29434	11090113.		1835	1851	15.89	6.32	0.025	6.322	0.025
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	49511	13112431.	100.	5267	5285	9.37	4.44	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	49511	13112431.		5267	5285	9.37	4.44	0.025	4.444	0.025
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.120		
	SEGMENT 2	77223	25832060.	100.	5788	5807	13.30	5.61	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	77223	25832060.		5788	5807	13.30	5.61	0.025	5.613	0.025
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	20	375.	0.	10	10	1.86	1.51	0.120		
	SEGMENT 2	108359	41415736.	100.	6653	6672	16.24	6.41	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	108379	41416112.		6663	6683	16.24	6.41	0.025	6.407	0.025

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	145	2144.	0.	111	113	1.29	1.18	0.120		
	SEGMENT 2	142668	62910676.	100.	7070	7089	20.12	7.40	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	142814	62912820.		7181	7202	20.09	7.39	0.025	7.327	0.025

H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1033	34804.	0.	230	231	4.46	2.71	0.120		
	SEGMENT 2	178268	90345848.	100.	7170	7189	24.80	8.50	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	359.51	179302	90380656.		7400	7421	24.60	8.46	0.025	8.358	0.025

H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2246	118318.	0.	255	257	8.74	4.24	0.120		
	SEGMENT 2	214118	122614256.	100.	7170	7189	29.78	9.61	0.025		
	SEGMENT 3	3543	95887.	0.	1447	1448	2.45	1.82	0.100		
TOTALTRM	359.51	219908	122828464.		8872	8894	28.69	9.37	0.025	8.488	0.023

H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3583	241982.	0.	280	282	12.68	5.44	0.120		
	SEGMENT 2	249968	158705840.	99.	7170	7189	34.77	10.65	0.025		
	SEGMENT 3	13025	608468.	0.	2345	2346	5.55	3.14	0.100		
TOTALTRM	359.51	266577	159556288.		9795	9818	31.82	10.04	0.025	9.035	0.022

H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	5046	404094.	0.	305	308	16.38	6.45	0.120		
	SEGMENT 2	285818	198427312.	99.	7170	7189	39.76	11.65	0.025		
	SEGMENT 3	26306	1678178.	1.	2967	2969	8.86	4.28	0.100		
TOTALTRM	359.51	317171	200509584.		10442	10466	34.55	10.61	0.025	9.721	0.023

H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6633	604565.	0.	330	333	19.88	7.34	0.120		

	SEGMENT 2	321668	241619408.	98.	7170	7189	44.74	12.60	0.025		
	SEGMENT 3	42700	3313545.	1.	3590	3592	11.89	5.21	0.100		
TOTALTRM	359.51	371002	245537536.		11090	11115	37.00	11.10	0.025	10.368	0.023

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8471	793582.	0.	405	408	20.72	7.54	0.120		
	SEGMENT 2	357518	288147712.	98.	7170	7189	49.73	13.52	0.025		
	SEGMENT 3	61190	5803944.	2.	3806	3809	16.06	6.37	0.100		
TOTALTRM	359.51	427180	294745216.		11381	11408	39.39	11.58	0.025	11.194	0.024

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	10683	1043949.	0.	480	483	22.08	7.87	0.120		
	SEGMENT 2	393368	337896480.	97.	7170	7189	54.72	14.41	0.025		
	SEGMENT 3	80762	8882657.	3.	4022	4027	20.05	7.38	0.100		
TOTALTRM	359.51	484814	347823072.		11672	11700	41.76	12.04	0.025	11.976	0.025

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	13271	1360996.	0.	555	559	23.74	8.26	0.120		
	SEGMENT 2	429218	390764480.	97.	7170	7189	59.70	15.28	0.025		
	SEGMENT 3	101415	12535931.	3.	4238	4244	23.89	8.30	0.100		
TOTALTRM	359.51	543905	404661408.		11963	11992	44.10	12.48	0.025	12.719	0.025

H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	16233	1750574.	0.	630	634	25.59	8.68	0.120		
	SEGMENT 2	465068	446662272.	96.	7170	7189	64.69	16.11	0.025		
	SEGMENT 3	123150	16759222.	4.	4455	4461	27.60	9.13	0.100		
TOTALTRM	359.51	604452	465172096.		12255	12285	46.40	12.91	0.025	13.429	0.026

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	19571	2218641.	0.	705	709	27.59	9.13	0.120		
	SEGMENT 2	500918	505509760.	96.	7170	7189	69.67	16.93	0.025		
	SEGMENT 3	145996	21523378.	4.	4683	4691	31.12	9.89	0.100		
TOTALTRM	359.51	666486	529251808.		12558	12589	48.63	13.32	0.025	14.101	0.026

H= 650.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	23283	2771108.	0.	780	784	29.67	9.58	0.120		
	SEGMENT	2	536768	567234752.	95.	7170	7189	74.66	17.73	0.025		
	SEGMENT	3	169987	26865906.	5.	4912	4920	34.55	10.61	0.100		
TOTALTRM	359.51		730039	596871744.		12862	12894	50.81	13.72	0.025	14.746	0.027

H= 655.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	27371	3413776.	1.	855	859	31.83	10.04	0.120		
	SEGMENT	2	572618	631771520.	95.	7170	7189	79.65	18.51	0.025		
	SEGMENT	3	195121	32795624.	5.	5141	5150	37.89	11.28	0.100		
TOTALTRM	359.51		795111	667980992.		13166	13199	52.92	14.10	0.025	15.369	0.027

H= 660.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	31834	4152318.	1.	930	934	34.05	10.50	0.120		
	SEGMENT	2	608468	699060288.	94.	7170	7189	84.63	19.28	0.025		
	SEGMENT	3	221400	39322740.	5.	5370	5379	41.15	11.92	0.100		
TOTALTRM	359.51		861702	742535360.		13470	13504	54.98	14.46	0.025	15.971	0.028

1 SECTION 33 35 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	50.	660.0	1	208.	596.0	1	250.	579.4	1	1500.	576.3	1	2040.	577.1
1	2580.	576.3	1	3930.	574.2	2	4160.	546.5	2	4220.	542.5	2	4500.	536.5
2	4690.	537.0	2	4760.	538.5	2	4870.	537.5	2	4950.	538.5	2	5030.	541.0
2	5070.	546.5	2	5140.	579.0	2	5310.	579.0	2	5330.	574.2	2	5580.	580.5
2	5720.	586.7	2	5790.	589.0	2	5870.	594.2	3	6110.	594.2	3	6230.	589.2
3	6470.	589.2	3	6550.	594.2	3	6780.	599.2	3	6990.	599.2	3	7190.	594.0
4	8400.	600.0	5	10850.	604.0	5	11300.	610.0	5	11600.	620.0	5	11601.	660.0

EACH SEGMENT HAS A CONSTANT N

1	0.026
2	0.026
3	0.060
4	0.026
5	0.070

H= 525.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41	0	0.		0	0	0.00	0.00	0.026	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41	0	0.		0	0	0.00	0.00	0.026	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41	0	0.		0	0	0.00	0.00	0.026	0.000	0.000

H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 2	1476	144582.	100.	661	661	2.23	1.71	0.026		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41	1476	144582.		661	661	2.23	1.71	0.026	1.708	0.026

H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 2	5470	1062120.	100.	876	877	6.24	3.39	0.026		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.026		

	SEGMENT	5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41		5470	1062120.		876	877	6.24	3.39	0.026	3.388	0.026
H= 550.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	50	4212.	0.	29	29	1.74	1.45	0.026		
	SEGMENT	2	10008	2818019.	100.	917	918	10.89	4.91	0.026		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT	5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41		10059	2822231.		946	948	10.83	4.90	0.026	4.828	0.026
H= 555.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	299	44886.	1.	70	71	4.22	2.61	0.026		
	SEGMENT	2	14622	5256365.	99.	928	930	15.71	6.27	0.026		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT	5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41		14922	5301251.		998	1001	15.43	6.20	0.026	6.054	0.025
H= 560.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	756	154128.	2.	112	112	6.70	3.55	0.026		
	SEGMENT	2	19291	8271148.	98.	939	942	20.46	7.48	0.026		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT	5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41		20047	8425277.		1051	1055	19.86	7.33	0.026	7.119	0.025
H= 565.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	1420	357095.	3.	153	154	9.18	4.39	0.026		
	SEGMENT	2	24013	11815043.	97.	949	954	25.16	8.59	0.026		
	SEGMENT	3	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT	5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41		25434	12172138.		1103	1109	24.13	8.35	0.026	8.072	0.025

H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2292	675835.	4.	195	196	11.67	5.14	0.026		
	SEGMENT 2	28789	15854680.	96.	960	966	29.79	9.61	0.026		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41	31082	16530515.		1155	1162	28.27	9.28	0.026	8.940	0.025

H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3575	582430.	3.	744	745	4.79	2.84	0.026		
	SEGMENT 2	33633	19904700.	97.	1006	1013	33.19	10.33	0.026		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41	37208	20487130.		1750	1759	29.78	9.61	0.026	7.648	0.021

H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	17183	2640724.	11.	3911	3913	4.39	2.68	0.026		
	SEGMENT 2	39407	20812498.	89.	1400	1408	27.98	9.22	0.026		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41	56591	23453222.		5311	5321	19.45	7.23	0.026	4.836	0.017

H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	36773	9362635.	26.	3924	3926	9.36	4.44	0.026		
	SEGMENT 2	46731	26165964.	74.	1521	1530	30.54	9.77	0.026		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.060		
	SEGMENT 4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT 5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41	83504	35528600.		5445	5457	20.23	7.42	0.026	6.164	0.022

H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	56425	19068034.	37.	3936	3940	14.32	5.90	0.026		
	SEGMENT 2	54657	32254596.	63.	1645	1654	33.04	10.30	0.026		
	SEGMENT 3	204	4209.	0.	271	272	0.75	0.83	0.060		

	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT	5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41		111287	51326836.		5854	5866	22.83	8.05	0.026	7.113	0.023
H= 595.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	76141	31348372.	46.	3949	3954	19.26	7.18	0.026		
	SEGMENT	2	63263	36768308.	54.	1950	1958	32.30	10.14	0.026		
	SEGMENT	3	2186	114186.	0.	716	717	3.05	2.10	0.060		
	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT	5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41		141591	68230864.		6616	6630	24.38	8.41	0.026	7.698	0.024
H= 600.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	95919	45960388.	49.	3961	3967	24.18	8.36	0.026		
	SEGMENT	2	73013	46689972.	50.	1950	1958	37.27	11.16	0.026		
	SEGMENT	3	9488	607847.	1.	2290	2290	4.14	2.58	0.060		
	SEGMENT	4	0	0.	0.	0	0	0.00	0.00	0.026		
	SEGMENT	5	0	0.	0.	0	0	0.00	0.00	0.070		
TOTALTRM	357.41		178422	93258208.		8201	8216	27.54	9.12	0.026	7.784	0.022
H= 605.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	115760	62733184.	51.	3974	3980	29.08	9.46	0.026		
	SEGMENT	2	82763	57537336.	47.	1950	1958	42.25	12.13	0.026		
	SEGMENT	3	20938	2273460.	2.	2290	2290	9.14	4.37	0.060		
	SEGMENT	4	7350	876155.	1.	2450	2450	3.00	2.08	0.026		
	SEGMENT	5	37	503.	0.	75	75	0.50	0.63	0.070		
TOTALTRM	357.41		226850	123420640.		10739	10755	29.25	9.49	0.026	7.635	0.021
H= 610.00			AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT	1	135662	81538512.	51.	3986	3994	33.97	10.49	0.026		
	SEGMENT	2	92513	69272392.	43.	1950	1958	47.23	13.07	0.026		
	SEGMENT	3	32388	4703525.	3.	2290	2290	14.14	5.85	0.060		
	SEGMENT	4	19600	4492920.	3.	2450	2450	8.00	4.00	0.026		
	SEGMENT	5	1350	59769.	0.	450	450	3.00	2.08	0.070		
TOTALTRM	357.41		281514	160067120.		11126	11143	31.25	9.92	0.026	8.611	0.023

H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	155625	102275272.	51.	3998	4007	38.83	11.47	0.026		
	SEGMENT 2	102263	81862704.	40.	1950	1958	52.21	13.97	0.026		
	SEGMENT 3	43838	7789844.	4.	2290	2290	19.14	7.16	0.060		
	SEGMENT 4	31850	10091388.	5.	2450	2450	13.00	5.53	0.026		
	SEGMENT 5	3975	298417.	0.	600	600	6.62	3.53	0.070		
TOTALTRM	357.41	337553	202317632.		11288	11306	33.82	10.46	0.026	9.625	0.024

H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	175651	124860744.	50.	4011	4020	43.69	12.40	0.026		
	SEGMENT 2	112013	95280120.	38.	1950	1958	57.18	14.84	0.026		
	SEGMENT 3	55288	11468122.	5.	2290	2290	24.14	8.35	0.060		
	SEGMENT 4	44100	17357992.	7.	2450	2450	18.00	6.87	0.026		
	SEGMENT 5	7350	716330.	0.	750	750	9.80	4.58	0.070		
TOTALTRM	357.41	394403	249683328.		11451	11470	36.72	11.05	0.026	10.575	0.025

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	195738	149225504.	49.	4023	4034	48.52	13.30	0.026		
	SEGMENT 2	121763	109499856.	36.	1950	1958	62.16	15.69	0.026		
	SEGMENT 3	66738	15693768.	5.	2290	2290	29.14	9.47	0.060		
	SEGMENT 4	56350	26117104.	9.	2450	2450	23.00	8.09	0.026		
	SEGMENT 5	11100	1417759.	0.	750	755	14.70	6.00	0.070		
TOTALTRM	357.41	451691	301954016.		11463	11488	39.84	11.67	0.026	11.564	0.026

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	215887	175310144.	49.	4035	4047	53.34	14.17	0.026		
	SEGMENT 2	131513	124499872.	35.	1950	1958	67.14	16.52	0.026		
	SEGMENT 3	78188	20433242.	6.	2290	2290	34.14	10.52	0.060		
	SEGMENT 4	68600	36250056.	10.	2450	2450	28.00	9.22	0.026		
	SEGMENT 5	14851	2293002.	1.	750	760	19.54	7.25	0.070		
TOTALTRM	357.41	509040	358786304.		11476	11506	43.13	12.30	0.026	12.510	0.026

H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	236097	203063024.	48.	4048	4060	58.14	15.01	0.026		
	SEGMENT 2	141263	140260352.	33.	1950	1958	72.12	17.33	0.026		

	SEGMENT 3	89638	25659970.	6.	2290	2290	39.14	11.53	0.060		
	SEGMENT 4	80850	47668912.	11.	2450	2450	33.00	10.29	0.026		
	SEGMENT 5	18602	3323010.	1.	750	765	24.31	8.39	0.070		
TOTALTRM	357.41	566452	419975264.		11488	11525	46.53	12.94	0.026	13.419	0.027
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	256369	232438752.	48.	4060	4074	62.93	15.82	0.026		
	SEGMENT 2	151013	156763376.	32.	1950	1958	77.09	18.11	0.026		
	SEGMENT 3	101088	31352174.	6.	2290	2290	44.14	12.49	0.060		
	SEGMENT 4	93100	60304720.	12.	2450	2450	38.00	11.30	0.026		
	SEGMENT 5	22355	4494060.	1.	750	770	29.02	9.44	0.070		
TOTALTRM	357.41	623927	485353088.		11501	11543	50.01	13.57	0.026	14.297	0.027
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	276703	263396880.	47.	4072	4087	67.70	16.61	0.026		
	SEGMENT 2	160763	173992592.	31.	1950	1958	82.07	18.89	0.026		
	SEGMENT 3	112538	37491504.	7.	2290	2290	49.14	13.42	0.060		
	SEGMENT 4	105350	74101344.	13.	2450	2450	43.00	12.27	0.026		
	SEGMENT 5	26107	5795504.	1.	750	775	33.68	10.43	0.070		
TOTALTRM	357.41	681464	554777856.		11513	11561	53.54	14.21	0.026	15.147	0.028
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	297099	295901280.	47.	4085	4100	72.45	17.38	0.026		
	SEGMENT 2	170513	191932992.	31.	1950	1958	87.05	19.64	0.026		
	SEGMENT 3	123988	44062224.	7.	2290	2290	54.13	14.31	0.060		
	SEGMENT 4	117600	89011760.	14.	2450	2450	48.00	13.21	0.026		
	SEGMENT 5	29861	7218689.	1.	750	780	38.27	11.36	0.070		
TOTALTRM	357.41	739063	628126912.		11526	11580	57.11	14.83	0.026	15.973	0.028
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	317557	329919136.	47.	4097	4113	77.19	18.13	0.026		
	SEGMENT 2	180263	210570736.	30.	1950	1958	92.03	20.38	0.026		
	SEGMENT 3	135438	51050584.	7.	2290	2290	59.13	15.18	0.060		
	SEGMENT 4	129850	104995760.	15.	2450	2450	53.00	14.11	0.026		
	SEGMENT 5	33615	8756358.	1.	750	785	42.81	12.24	0.070		
TOTALTRM	357.41	796724	705292544.		11538	11598	60.71	15.45	0.026	16.775	0.028

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	338076	365420640.	46.	4110	4127	81.91	18.86	0.026		
	SEGMENT 2	190013	229893008.	29.	1950	1958	97.00	21.11	0.026		
	SEGMENT 3	146888	58444452.	7.	2290	2290	64.13	16.02	0.060		
	SEGMENT 4	142100	122018392.	16.	2450	2450	58.00	14.98	0.026		
	SEGMENT 5	37370	10402277.	1.	751	790	47.29	13.08	0.070		
TOTALTRM	357.41	854448	786178816.		11551	11616	64.33	16.06	0.026	17.558	0.028

1 SECTION 34 36 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	100.	660.0	1	200.	600.0	2	340.	573.3	2	900.	570.2	2	950.	570.8
2	1000.	570.5	2	1790.	574.2	2	1990.	574.0	2	2160.	547.7	2	2200.	546.3
2	2300.	545.1	2	2370.	545.4	2	3130.	545.1	2	3220.	546.8	2	3350.	574.0
2	3610.	578.7	2	4470.	569.0	2	5530.	569.0	2	5900.	574.0	2	6060.	579.0
2	6120.	584.0	2	6170.	595.0	3	6620.	640.0	3	6700.	642.0	3	7290.	640.0
3	8050.	620.0	3	8230.	600.0	3	8250.	595.0	3	8280.	580.5	3	8450.	578.0
3	8660.	580.0	3	8700.	594.5	3	8750.	600.0	3	8820.	620.0	3	8980.	640.0
3	9170.	660.0												

EACH SEGMENT HAS A CONSTANT N

1	0.100
2	0.025
3	0.065

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	355.31	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	355.31	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	355.31	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	355.31	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	355.31	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	4898	794731.	100.	1090	1090	4.49	2.72	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	355.31	4898	794731.		1090	1090	4.49	2.72	0.025	2.722	0.025

H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	10489	2732834.	100.	1146	1147	9.14	4.37	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	355.31	10489	2732834.		1146	1147	9.14	4.37	0.025	4.371	0.025

H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	16362	5550624.	100.	1202	1204	13.58	5.69	0.025		

	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	355.31	16362	5550624.		1202	1204	13.58	5.69	0.025	5.692	0.025
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	22515	9162293.	100.	1258	1262	17.84	6.83	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	355.31	22515	9162293.		1258	1262	17.84	6.83	0.025	6.828	0.025
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	30091	9315895.	100.	2537	2541	11.84	5.19	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	355.31	30091	9315895.		2537	2541	11.84	5.19	0.025	5.195	0.025
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	7	100.	0.	8	9	0.83	0.89	0.100		
	SEGMENT 2	49491	13482761.	100.	5059	5064	9.77	4.57	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.065		
TOTALTRM	355.31	49498	13482861.		5068	5073	9.77	4.57	0.025	4.566	0.025
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	117	3880.	0.	35	35	3.29	2.21	0.100		
	SEGMENT 2	76855	25836870.	100.	5732	5737	13.40	5.64	0.025		
	SEGMENT 3	346	7931.	0.	346	346	1.00	1.00	0.065		
TOTALTRM	355.31	77319	25848682.		6113	6118	13.28	5.61	0.025	5.426	0.024
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	358	17156.	0.	61	62	5.75	3.21	0.100		
	SEGMENT 2	105661	43650712.	100.	5784	5789	18.25	6.93	0.025		
	SEGMENT 3	2292	166952.	0.	403	405	5.66	3.18	0.065		
TOTALTRM	355.31	108313	43834820.		6248	6257	17.69	6.79	0.025	6.692	0.025

H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	731	44309.	0.	87	89	8.20	4.07	0.100		
	SEGMENT 2	134641	65202480.	99.	5807	5813	23.16	8.13	0.025		
	SEGMENT 3	4368	468909.	1.	427	431	10.13	4.68	0.065		
TOTALTRM	355.31	139741	65715700.		6322	6333	22.16	7.89	0.025	7.867	0.025

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1234	89086.	0.	113	115	10.66	4.84	0.100		
	SEGMENT 2	163734	90097056.	99.	5830	5836	28.05	9.23	0.025		
	SEGMENT 3	6566	885094.	1.	454	460	14.26	5.88	0.065		
TOTALTRM	355.31	171535	91071240.		6398	6412	26.59	8.91	0.025	8.945	0.025

H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1869	154862.	0.	140	142	13.11	5.56	0.100		
	SEGMENT 2	193009	117839992.	99.	5880	5886	32.79	10.24	0.025		
	SEGMENT 3	9002	1369118.	1.	520	526	17.09	6.63	0.065		
TOTALTRM	355.31	203881	119363976.		6540	6556	30.79	9.82	0.025	9.890	0.025

H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2589	255241.	0.	148	152	17.01	6.61	0.100		
	SEGMENT 2	222534	148546672.	99.	5930	5937	37.48	11.20	0.025		
	SEGMENT 3	11758	1980758.	1.	582	590	19.92	7.35	0.065		
TOTALTRM	355.31	236883	150782656.		6660	6679	34.90	10.68	0.025	10.796	0.025

H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3352	376554.	0.	156	161	20.70	7.54	0.100		
	SEGMENT 2	252309	182102736.	98.	5980	5987	42.14	12.11	0.025		
	SEGMENT 3	14827	2723355.	1.	645	653	22.68	8.01	0.065		
TOTALTRM	355.31	270489	185202656.		6781	6802	38.94	11.49	0.025	11.651	0.025

H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	4156	518310.	0.	165	171	24.21	8.37	0.100		

	SEGMENT 2	282334	218414064.	98.	6030	6037	46.76	12.98	0.025		
	SEGMENT 3	18208	3605470.	2.	707	717	25.39	8.64	0.065		
TOTALTRM	355.31	304699	222537840.		6902	6926	42.90	12.25	0.025	12.463	0.025
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	5002	680333.	0.	173	181	27.58	9.13	0.100		
	SEGMENT 2	312609	257401584.	98.	6080	6087	51.35	13.82	0.025		
	SEGMENT 3	21902	4635520.	2.	770	780	28.05	9.23	0.065		
TOTALTRM	355.31	339514	262717424.		7023	7049	46.78	12.98	0.025	13.239	0.025
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	5889	862639.	0.	181	191	30.82	9.83	0.100		
	SEGMENT 2	343134	298997952.	98.	6130	6138	55.90	14.62	0.025		
	SEGMENT 3	26327	5301842.	2.	1000	1011	26.04	8.79	0.065		
TOTALTRM	355.31	375351	305162464.		7311	7340	50.38	13.64	0.025	13.779	0.025
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6819	1065363.	0.	190	200	33.95	10.49	0.100		
	SEGMENT 2	373909	343145088.	98.	6180	6188	60.42	15.40	0.025		
	SEGMENT 3	31902	6368279.	2.	1230	1241	25.70	8.71	0.065		
TOTALTRM	355.31	412631	350578752.		7600	7630	53.82	14.26	0.025	14.302	0.025
H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	7789	1288729.	0.	198	210	37.00	11.10	0.100		
	SEGMENT 2	404934	389792448.	98.	6230	6238	64.91	16.15	0.025		
	SEGMENT 3	38627	7819718.	2.	1460	1471	26.24	8.83	0.065		
TOTALTRM	355.31	451351	398900896.		7888	7920	57.10	14.83	0.025	14.810	0.025
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8802	1533016.	0.	206	220	39.96	11.69	0.100		
	SEGMENT 2	436209	438895616.	98.	6280	6288	69.36	16.88	0.025		
	SEGMENT 3	46502	9669144.	2.	1690	1702	27.32	9.07	0.065		
TOTALTRM	355.31	491514	450097760.		8176	8211	60.23	15.36	0.025	15.304	0.025

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	9856	1798545.	0.	215	229	42.86	12.25	0.100		
	SEGMENT 2	467609	492804736.	97.	6280	6288	74.36	17.68	0.025		
	SEGMENT 3	57751	10973098.	2.	2407	2420	23.86	8.29	0.065		
TOTALTRM	355.31	535217	505576352.		8902	8938	63.10	15.85	0.025	15.307	0.024

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	10952	2085667.	0.	223	239	45.69	12.78	0.100		
	SEGMENT 2	499009	549183424.	97.	6280	6288	79.35	18.47	0.025		
	SEGMENT 3	69907	14891598.	3.	2455	2467	28.33	9.29	0.065		
TOTALTRM	355.31	579869	566160640.		8958	8996	66.30	16.38	0.025	16.078	0.024

H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	12089	2394756.	0.	231	249	48.47	13.29	0.100		
	SEGMENT 2	530409	607978496.	97.	6280	6288	84.34	19.23	0.025		
	SEGMENT 3	82301	19298740.	3.	2502	2515	32.72	10.23	0.065		
TOTALTRM	355.31	624800	629672000.		9014	9053	69.53	16.91	0.025	16.827	0.025

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	13269	2726200.	0.	240	259	51.20	13.79	0.100		
	SEGMENT 2	561809	669141312.	96.	6280	6288	89.34	19.98	0.025		
	SEGMENT 3	94932	24178574.	3.	2550	2563	37.04	11.11	0.065		
TOTALTRM	355.31	670011	696046080.		9070	9111	72.77	17.43	0.025	17.555	0.025

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SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	100.	660.0	1	600.	592.0	2	859.	579.0	2	1235.	577.7	2	1705.	572.6
2	2025.	574.8	2	2246.	575.3	2	2351.	573.1	2	2443.	566.9	2	2488.	554.0
2	2555.	544.5	2	2563.	543.5	2	2623.	540.7	2	2700.	538.6	2	2770.	537.5
2	2880.	537.3	2	2970.	536.9	2	3040.	537.3	2	3125.	538.6	2	3200.	540.0
2	3260.	541.5	2	3450.	544.3	2	3525.	547.5	2	3580.	569.0	2	3620.	574.0
2	3670.	572.6	2	3712.	569.0	2	3800.	565.7	2	3974.	564.6	2	4227.	577.5
2	4327.	586.2	2	4500.	589.0	2	4550.	594.0	3	4551.	660.0			

EACH SEGMENT HAS A CONSTANT N

1	0.110
2	0.025
3	0.150

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	1149	111753.	100.	551	551	2.08	1.63	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	1149	111753.		551	551	2.08	1.63	0.025	1.632	0.025

H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	4867	884010.	100.	914	915	5.32	3.05	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	4867	884010.		914	915	5.32	3.05	0.025	3.047	0.025

H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	9758	2627333.	100.	1015	1016	9.60	4.52	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	9758	2627333.		1015	1016	9.60	4.52	0.025	4.518	0.025

H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	14952	5195649.	100.	1059	1062	14.08	5.83	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	14952	5195649.		1059	1062	14.08	5.83	0.025	5.831	0.025

H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	20326	8498124.	100.	1089	1094	18.58	7.01	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	20326	8498124.		1089	1094	18.58	7.01	0.025	7.015	0.025

H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	25865	11959431.	100.	1191	1197	21.61	7.76	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	25865	11959431.		1191	1197	21.61	7.76	0.025	7.759	0.025

H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	32954	14895600.	100.	1570	1577	20.89	7.58	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	32954	14895600.		1570	1577	20.89	7.58	0.025	7.585	0.025

H= 575.00	AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.110		
	SEGMENT 2	42280	16363308.	100.	2547	2555	16.55	6.49	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	42280	16363308.		2547	2555	16.55	6.49	0.025	6.494	0.025
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	9	85.	0.	19	19	0.50	0.63	0.110		
	SEGMENT 2	57477	22543110.	100.	3396	3404	16.88	6.58	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	57487	22543194.		3416	3424	16.88	6.58	0.025	6.556	0.025
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	358	10096.	0.	119	119	3.00	2.08	0.110		
	SEGMENT 2	74604	34429536.	100.	3454	3462	21.55	7.74	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	74963	34439632.		3573	3582	21.40	7.71	0.025	7.595	0.025
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1205	50830.	0.	219	219	5.49	3.11	0.110		
	SEGMENT 2	92356	47360804.	100.	3651	3659	25.24	8.60	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	93562	47411632.		3870	3878	24.79	8.50	0.025	8.349	0.024
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2493	144575.	0.	281	281	8.86	4.28	0.110		
	SEGMENT 2	110731	63608732.	100.	3691	3700	29.92	9.64	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	113225	63753308.		3972	3982	29.04	9.45	0.025	9.317	0.025
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3990	291505.	0.	317	318	12.52	5.39	0.110		
	SEGMENT 2	129187	82168136.	100.	3691	3705	34.86	10.67	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		

TOTALTRM	353.21	133177	82459648.		4008	4024	33.48	10.39	0.025	10.309	0.025
H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	5671	486630.	0.	354	355	15.94	6.33	0.110		
	SEGMENT 2	147642	102557648.	100.	3691	3710	39.79	11.65	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	153314	103044280.		4045	4066	37.87	11.28	0.025	11.245	0.025
H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	7536	731544.	1.	391	392	19.18	7.17	0.110		
	SEGMENT 2	166098	124691056.	99.	3691	3715	44.70	12.60	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	173635	125422600.		4082	4108	42.19	12.12	0.025	12.135	0.025
H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	9585	1028398.	1.	428	430	22.29	7.92	0.110		
	SEGMENT 2	184555	148495136.	99.	3691	3720	49.60	13.50	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	194140	149523536.		4119	4150	46.45	12.92	0.025	12.983	0.025
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	11817	1379587.	1.	464	467	25.30	8.62	0.110		
	SEGMENT 2	203012	173906448.	99.	3691	3725	54.49	14.37	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	214829	175286032.		4156	4192	50.65	13.69	0.025	13.797	0.025
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	14234	1787619.	1.	501	504	28.23	9.27	0.110		
	SEGMENT 2	221469	200869136.	99.	3691	3730	59.36	15.22	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	235703	202656752.		4193	4234	54.79	14.43	0.025	14.580	0.025
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	16834	2255048.	1.	538	541	31.10	9.89	0.110		
	SEGMENT 2	239926	229333552.	99.	3691	3735	64.23	16.04	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	256761	231588592.		4229	4276	58.87	15.13	0.025	15.334	0.025
H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	19618	2784434.	1.	575	578	33.92	10.48	0.110		
	SEGMENT 2	258384	259254960.	99.	3691	3740	69.08	16.84	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	278002	262039392.		4266	4319	62.89	15.82	0.025	16.063	0.025
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	22586	3378332.	1.	611	615	36.69	11.04	0.110		
	SEGMENT 2	276842	290592800.	99.	3691	3745	73.91	17.61	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	299429	293971104.		4303	4361	66.86	16.47	0.025	16.770	0.025
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	25737	4039275.	1.	648	652	39.44	11.59	0.110		
	SEGMENT 2	295301	323310048.	99.	3691	3750	78.73	18.37	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	321039	327349312.		4340	4403	70.76	17.11	0.025	17.455	0.025
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	29073	4769770.	1.	685	689	42.15	12.11	0.110		
	SEGMENT 2	313760	357372512.	99.	3691	3755	83.54	19.11	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	342833	362142272.		4377	4445	74.61	17.72	0.025	18.121	0.025
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	32592	5572297.	1.	722	726	44.84	12.62	0.110		
	SEGMENT 2	332220	392748832.	99.	3691	3760	88.34	19.84	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		

TOTALTRM	353.21	364812	398321120.		4414	4487	78.41	18.32	0.025	18.769	0.026

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	36295	6449306.	1.	759	763	47.51	13.12	0.110		
	SEGMENT 2	350679	429409664.	99.	3692	3765	93.13	20.55	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.150		
TOTALTRM	353.21	386975	435858976.		4451	4529	82.15	18.90	0.025	19.401	0.026

1 SECTION 36 34 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	100.	660.0	1	200.	640.0	1	300.	614.0	1	330.	609.0	1	450.	604.0
1	540.	599.0	1	560.	594.0	2	600.	589.0	2	670.	584.0	2	1310.	579.0
2	1600.	574.0	2	2093.	569.5	2	2350.	568.9	2	2460.	574.5	2	2628.	573.2
2	2680.	554.0	2	2703.	549.5	2	2730.	539.1	2	2875.	532.9	2	2950.	531.3
2	3030.	529.7	2	3110.	528.9	2	3200.	530.0	2	3280.	530.3	2	3350.	531.9
2	3400.	533.7	2	3430.	539.0	2	3460.	544.0	2	3470.	549.0	2	3500.	559.0
2	3550.	569.0	2	3680.	600.0	3	3700.	620.0	3	3702.	660.0			

EACH SEGMENT HAS A CONSTANT N

1	0.150
2	0.025
3	0.100

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.150		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	0	0.		0	0	0.00	0.00	0.025	0.000	0.000

H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.150		
	SEGMENT 2	107	4478.	100.	184	185	0.58	0.70	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	107	4478.		184	185	0.58	0.70	0.025	0.697	0.025

H= 535.00	AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.150		
	SEGMENT 2	2360	357872.	100.	581	581	4.06	2.54	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	2360	357872.		581	581	4.06	2.54	0.025	2.544	0.025
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.150		
	SEGMENT 2	5622	1332264.	100.	708	709	7.93	3.98	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	5622	1332264.		708	709	7.93	3.98	0.025	3.976	0.025
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.150		
	SEGMENT 2	9269	2953980.	100.	747	749	12.36	5.35	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	9269	2953980.		747	749	12.36	5.35	0.025	5.347	0.025
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.150		
	SEGMENT 2	13064	5110468.	100.	772	776	16.81	6.56	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	13064	5110468.		772	776	16.81	6.56	0.025	6.564	0.025
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.150		
	SEGMENT 2	17027	7688726.	100.	810	816	20.85	7.58	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	17027	7688726.		810	816	20.85	7.58	0.025	7.577	0.025
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.150		
	SEGMENT 2	21153	10757475.	100.	841	848	24.92	8.53	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		

TOTALTRM	351.10	21153	10757475.		841	848	24.92	8.53	0.025	8.534	0.025
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.150		
	SEGMENT 2	25456	14204166.	100.	879	888	28.65	9.36	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	25456	14204166.		879	888	28.65	9.36	0.025	9.363	0.025
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.150		
	SEGMENT 2	30182	14938547.	100.	1250	1261	23.93	8.30	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	30182	14938547.		1250	1261	23.93	8.30	0.025	8.305	0.025
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.150		
	SEGMENT 2	38298	16098645.	100.	2033	2044	18.73	7.05	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	38298	16098645.		2033	2044	18.73	7.05	0.025	7.053	0.025
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.150		
	SEGMENT 2	49276	21861572.	100.	2414	2426	20.31	7.44	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	49276	21861572.		2414	2426	20.31	7.44	0.025	7.445	0.025
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.150		
	SEGMENT 2	62942	28703438.	100.	2961	2973	21.16	7.65	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	62942	28703438.		2961	2973	21.16	7.65	0.025	7.652	0.025

H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	4	25.	0.	8	8	0.50	0.63	0.150		
	SEGMENT 2	77968	40311032.	100.	3038	3051	25.55	8.67	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	77972	40311056.		3046	3059	25.55	8.67	0.025	8.661	0.025

H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	142	3060.	0.	44	44	3.20	2.17	0.150		
	SEGMENT 2	93211	54029908.	100.	3059	3073	30.33	9.73	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	93353	54032968.		3103	3117	30.26	9.71	0.025	9.644	0.025

H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	419	12663.	0.	78	78	5.31	3.04	0.150		
	SEGMENT 2	108558	69332744.	100.	3080	3094	35.08	10.72	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	108977	69345408.		3158	3173	34.89	10.68	0.025	10.566	0.025

H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1037	33720.	0.	174	175	5.92	3.27	0.150		
	SEGMENT 2	123971	86371608.	100.	3085	3101	39.97	11.69	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	125008	86405328.		3259	3276	39.49	11.60	0.025	11.334	0.024

H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2198	86808.	0.	276	277	7.93	3.98	0.150		
	SEGMENT 2	139409	104872112.	100.	3090	3108	44.84	12.62	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	141607	104958920.		3366	3386	43.86	12.44	0.025	12.050	0.024

H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3651	189628.	0.	303	305	11.95	5.23	0.150		
	SEGMENT 2	154871	124777608.	100.	3095	3115	49.70	13.52	0.025		

	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	158523	124967240.		3398	3421	48.10	13.23	0.025	12.901	0.024
H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	5219	329713.	0.	323	325	16.04	6.36	0.150		
	SEGMENT 2	170358	146039280.	100.	3100	3123	54.55	14.38	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	351.10	175578	146368992.		3423	3448	52.31	13.99	0.025	13.739	0.024
H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6882	502608.	0.	342	345	19.93	7.35	0.150		
	SEGMENT 2	185858	168849792.	100.	3100	3123	59.51	15.24	0.025		
	SEGMENT 3	0	2.	0.	0	5	0.12	0.25	0.100		
TOTALTRM	351.10	192742	169352400.		3442	3473	56.60	14.74	0.025	14.550	0.025
H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	8642	707646.	0.	361	365	23.67	8.24	0.150		
	SEGMENT 2	201358	192965488.	100.	3100	3123	64.48	16.08	0.025		
	SEGMENT 3	2	15.	0.	0	10	0.25	0.40	0.100		
TOTALTRM	351.10	210003	193673152.		3462	3498	60.87	15.47	0.025	15.334	0.025
H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	10498	944660.	0.	380	385	27.27	9.06	0.150		
	SEGMENT 2	216858	218351904.	100.	3100	3123	69.44	16.89	0.025		
	SEGMENT 3	5	44.	0.	0	15	0.37	0.52	0.100		
TOTALTRM	351.10	227362	219296608.		3481	3523	65.10	16.18	0.025	16.091	0.025
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	12450	1213779.	0.	400	404	30.75	9.81	0.150		
	SEGMENT 2	232359	244978016.	100.	3100	3123	74.40	17.69	0.025		
	SEGMENT 3	10	94.	0.	1	20	0.50	0.63	0.100		
TOTALTRM	351.10	244819	246191888.		3501	3547	69.31	16.87	0.025	16.826	0.025

H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	14512	1504579.	1.	425	430	33.72	10.44	0.150		
	SEGMENT 2	247859	272815552.	99.	3100	3123	79.36	18.47	0.025		
	SEGMENT 3	15	170.	0.	1	25	0.62	0.73	0.100		
TOTALTRM	351.10	262387	274320288.		3526	3578	73.47	17.54	0.025	17.521	0.025

H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	16700	1829688.	1.	450	455	36.63	11.03	0.150		
	SEGMENT 2	263359	301838688.	99.	3100	3123	84.33	19.23	0.025		
	SEGMENT 3	22	277.	0.	1	30	0.75	0.82	0.100		
TOTALTRM	351.10	280081	303668640.		3551	3608	77.59	18.19	0.025	18.197	0.025

H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	19012	2190249.	1.	475	481	39.49	11.60	0.150		
	SEGMENT 2	278859	332023680.	99.	3100	3123	89.29	19.98	0.025		
	SEGMENT 3	30	417.	0.	1	35	0.87	0.91	0.100		
TOTALTRM	351.10	297902	334214336.		3576	3639	81.67	18.82	0.025	18.855	0.025

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	21450	2587411.	1.	500	506	42.32	12.14	0.150		
	SEGMENT 2	294359	363348608.	99.	3100	3123	94.25	20.71	0.025		
	SEGMENT 3	40	596.	0.	2	40	1.00	1.00	0.100		
TOTALTRM	351.10	315849	365936608.		3602	3669	85.71	19.44	0.025	19.496	0.025

1 SECTION 37 24 POINTS OF COORDINATES 36 ELEVATIONS COMPUTED

SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y	SEGMENT	X	Y
1	170.	680.0	1	255.	594.7	2	280.	570.0	2	560.	570.0	2	1990.	580.0
2	2190.	579.0	2	2300.	543.5	2	2380.	541.0	2	2570.	541.3	2	2650.	540.7
2	2725.	536.0	2	2800.	534.5	2	2980.	535.5	2	3075.	535.0	2	3160.	536.0
2	3500.	544.5	2	3550.	575.4	2	3720.	578.0	2	3840.	586.0	2	4010.	586.0
2	4050.	593.0	3	4090.	600.0	3	4150.	620.0	3	4390.	680.0			

EACH SEGMENT HAS A CONSTANT N

1	0.100
2	0.025

3 0.100

H= 525.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 530.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	0	0.	0.	0	0	0.00	0.00	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	0	0.		0	0	0.00	0.00	0.025	0.000	0.000
H= 535.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	28	680.	100.	115	115	0.25	0.40	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	28	680.		115	115	0.25	0.40	0.025	0.397	0.025
H= 540.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	2537	371562.	100.	658	659	3.85	2.46	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	2537	371562.		658	659	3.85	2.46	0.025	2.457	0.025
H= 545.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	7653	1563577.	100.	1205	1206	6.35	3.43	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	7653	1563577.		1205	1206	6.35	3.43	0.025	3.428	0.025
H= 550.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP

	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	13740	4087955.	100.	1229	1231	11.15	4.99	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	13740	4087955.		1229	1231	11.15	4.99	0.025	4.992	0.025
H= 555.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	19944	7502732.	100.	1252	1257	15.86	6.31	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	19944	7502732.		1252	1257	15.86	6.31	0.025	6.312	0.025
H= 560.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	26266	11712362.	100.	1276	1283	20.46	7.48	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	26266	11712362.		1276	1283	20.46	7.48	0.025	7.482	0.025
H= 565.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	32706	16657300.	100.	1299	1309	24.98	8.55	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	32706	16657300.		1299	1309	24.98	8.55	0.025	8.546	0.025
H= 570.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	0	0.	0.	0	0	0.00	0.00	0.100		
	SEGMENT 2	39264	22296276.	100.	1323	1335	29.41	9.53	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	39264	22296276.		1323	1335	29.41	9.53	0.025	9.529	0.025
H= 575.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	12	277.	0.	5	7	1.78	1.47	0.100		
	SEGMENT 2	49127	22182810.	100.	2341	2355	20.85	7.58	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		

TOTALTRM	349.00	49140	22183088.		2347	2363	20.85	7.57	0.025	7.563	0.025
H= 580.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	50	1757.	0.	10	14	3.56	2.33	0.100		
	SEGMENT 2	63356	26108154.	100.	3470	3484	18.18	6.91	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	63406	26109910.		3480	3499	18.16	6.91	0.025	6.900	0.025
H= 585.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	113	5180.	0.	15	21	5.34	3.05	0.100		
	SEGMENT 2	80893	38678832.	100.	3545	3559	22.72	8.02	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	81007	38684012.		3560	3581	22.68	8.01	0.025	7.999	0.025
H= 590.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	202	11156.	0.	20	28	7.11	3.70	0.100		
	SEGMENT 2	99411	52507396.	100.	3752	3768	26.38	8.86	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	99614	52518552.		3773	3796	26.31	8.85	0.025	8.831	0.025
H= 595.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	316	20229.	0.	25	35	8.89	4.29	0.100		
	SEGMENT 2	118247	69757416.	100.	3781	3797	31.14	9.90	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	118563	69777640.		3806	3832	31.03	9.87	0.025	9.855	0.025
H= 600.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	455	32896.	0.	30	42	10.68	4.85	0.100		
	SEGMENT 2	137226	88946344.	100.	3810	3826	35.86	10.88	0.025		
	SEGMENT 3	0	0.	0.	0	0	0.00	0.00	0.100		
TOTALTRM	349.00	137681	88979240.		3840	3868	35.71	10.84	0.025	10.821	0.025

H= 605.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	619	49581.	0.	35	49	12.46	5.37	0.100		
	SEGMENT 2	156276	110464080.	100.	3810	3826	40.84	11.86	0.025		
	SEGMENT 3	37	994.	0.	15	15	2.37	1.78	0.100		
TOTALTRM	349.00	156932	110514656.		3860	3891	40.62	11.82	0.025	11.761	0.025

H= 610.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	807	70712.	0.	40	56	14.24	5.87	0.100		
	SEGMENT 2	175326	133806640.	100.	3810	3826	45.82	12.81	0.025		
	SEGMENT 3	150	6310.	0.	30	31	4.74	2.82	0.100		
TOTALTRM	349.00	176284	133883664.		3880	3914	45.49	12.74	0.025	12.659	0.025

H= 615.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1021	96696.	0.	45	63	16.01	6.35	0.100		
	SEGMENT 2	194376	158905200.	100.	3810	3826	50.80	13.72	0.025		
	SEGMENT 3	337	18603.	0.	45	47	7.12	3.70	0.100		
TOTALTRM	349.00	195735	159020512.		3900	3937	50.33	13.63	0.025	13.522	0.025

H= 620.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1260	127928.	0.	50	70	17.78	6.81	0.100		
	SEGMENT 2	213426	185700256.	100.	3810	3826	55.78	14.60	0.025		
	SEGMENT 3	600	40064.	0.	60	63	9.49	4.48	0.100		
TOTALTRM	349.00	215286	185868256.		3920	3960	55.13	14.49	0.025	14.352	0.025

H= 625.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1523	164783.	0.	55	77	19.55	7.26	0.100		
	SEGMENT 2	232476	214139648.	100.	3810	3826	60.76	15.46	0.025		
	SEGMENT 3	950	71398.	0.	80	83	11.33	5.04	0.100		
TOTALTRM	349.00	234949	214375824.		3945	3988	59.90	15.31	0.025	15.143	0.025

H= 630.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	1812	207629.	0.	60	84	21.32	7.69	0.100		
	SEGMENT 2	251526	244177120.	100.	3810	3826	65.74	16.29	0.025		

	SEGMENT 3	1400	117685.	0.	100	104	13.40	5.64	0.100		
TOTALTRM	349.00	254738	244502432.		3970	4015	64.63	16.10	0.025	15.908	0.025
H= 635.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2125	256819.	0.	65	92	23.09	8.11	0.100		
	SEGMENT 2	270576	275771200.	100.	3810	3826	70.72	17.10	0.025		
	SEGMENT 3	1950	181311.	0.	120	125	15.59	6.24	0.100		
TOTALTRM	349.00	274651	276209312.		3995	4043	69.31	16.87	0.025	16.650	0.025
H= 640.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2463	312699.	0.	70	99	24.86	8.52	0.100		
	SEGMENT 2	289626	308884416.	100.	3810	3826	75.70	17.89	0.025		
	SEGMENT 3	2600	264537.	0.	140	145	17.84	6.83	0.100		
TOTALTRM	349.00	294689	309461664.		4020	4071	73.96	17.62	0.025	17.371	0.025
H= 645.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	2826	375606.	0.	75	106	26.63	8.92	0.100		
	SEGMENT 2	308676	343482656.	100.	3810	3826	80.67	18.67	0.025		
	SEGMENT 3	3350	369510.	0.	160	166	20.14	7.40	0.100		
TOTALTRM	349.00	314853	344227776.		4045	4098	78.57	18.34	0.025	18.073	0.025
H= 650.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3214	445868.	0.	80	113	28.40	9.31	0.100		
	SEGMENT 2	327726	379534688.	100.	3810	3826	85.65	19.43	0.025		
	SEGMENT 3	4200	498275.	0.	180	186	22.47	7.96	0.100		
TOTALTRM	349.00	335141	380478848.		4070	4126	83.14	19.05	0.025	18.757	0.025
H= 655.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	3627	523807.	0.	85	120	30.16	9.69	0.100		
	SEGMENT 2	346776	417011840.	100.	3810	3826	90.63	20.18	0.025		
	SEGMENT 3	5150	652796.	0.	200	207	24.81	8.51	0.100		
TOTALTRM	349.00	355554	418188448.		4095	4154	87.67	19.73	0.025	19.425	0.025

H= 660.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	4065	609737.	0.	90	127	31.93	10.06	0.100		
	SEGMENT 2	365826	455887360.	100.	3810	3826	95.61	20.91	0.025		
	SEGMENT 3	6200	834963.	0.	220	228	27.17	9.04	0.100		
TOTALTRM	349.00	376092	457332096.		4120	4181	92.16	20.40	0.025	20.077	0.025

H= 665.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	4528	703967.	0.	95	134	33.70	10.43	0.100		
	SEGMENT 2	384876	496136640.	100.	3810	3826	100.59	21.63	0.025		
	SEGMENT 3	7350	1046603.	0.	240	248	29.54	9.56	0.100		
TOTALTRM	349.00	396754	497887200.		4145	4209	96.61	21.06	0.025	20.714	0.025

H= 670.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	5016	806801.	0.	100	141	35.46	10.79	0.100		
	SEGMENT 2	403926	537736576.	100.	3810	3826	105.57	22.34	0.025		
	SEGMENT 3	8600	1289489.	0.	260	269	31.92	10.06	0.100		
TOTALTRM	349.00	417542	539832896.		4170	4237	101.03	21.69	0.025	21.338	0.025

H= 675.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	5528	918536.	0.	105	148	37.23	11.15	0.100		
	SEGMENT 2	422976	580665600.	100.	3810	3826	110.55	23.03	0.025		
	SEGMENT 3	9950	1565344.	0.	280	290	34.31	10.56	0.100		
TOTALTRM	349.00	438455	583149440.		4195	4264	105.42	22.32	0.025	21.949	0.025

H= 680.00		AREA	K	% K	B	WP	R	R2/3	N	RP23	NP
	SEGMENT 1	6066	1039465.	0.	110	155	39.00	11.50	0.100		
	SEGMENT 2	442026	624903424.	100.	3810	3826	115.53	23.72	0.025		
	SEGMENT 3	11400	1875845.	0.	300	310	36.70	11.04	0.100		
TOTALTRM	349.00	459492	627818688.		4220	4292	109.77	22.92	0.025	22.549	0.025

APPENDIX G – EXAMPLE CONVEY OUTPUT DATA FILE FOR PREPARING SOCH INPUT

CONVEY also produces a second output file (written out in Unit 7) which summarizes the data needed prepare the geometry input file to SOCH. This file is assigned as the "Punch File" when running CONVEY. This second file produced by CONVEY for the example in Appendix E follows. The first three columns in the CONVEY output file below are used to prepare the geometry input to SOCH.

525.00	0	0.00	0	1	1
530.00	0	0.00	0	1	2
535.00	0	0.00	0	1	3
540.00	0	0.00	0	1	4
545.00	0	0.00	0	1	5
550.00	0	0.00	0	1	6
555.00	0	0.00	0	1	7
560.00	0	0.00	0	1	8
565.00	0	0.00	0	1	9
570.00	0	0.00	0	1	10
575.00	0	0.00	0	1	11
580.00	3051	2.34	853	1	12
585.00	7775	3.83	1035	1	13
590.00	13082	5.27	1080	1	14
595.00	18558	6.52	1110	1	15
600.00	24184	7.64	1140	1	16
605.00	29961	8.65	1170	1	17
610.00	36484	9.46	1568	1	18
615.00	45131	9.88	1803	1	19
620.00	55753	7.56	2727	1	20
625.00	69918	8.33	2910	1	21
630.00	84725	9.02	2996	1	22
635.00	99829	9.68	3044	1	23
640.00	115171	10.32	3092	1	24
645.00	132418	10.78	3456	1	25
650.00	149738	11.28	3471	1	26
655.00	167130	11.77	3485	1	27
660.00	184594	12.26	3500	1	28
665.00	206394	12.47	4470	1	29
670.00	229294	12.67	4690	1	30
675.00	253294	12.85	4910	1	31
680.00	278394	13.01	5130	1	32
685.00	305894	13.09	5650	1	33
690.00	334894	13.17	5950	1	34
695.00	365394	13.25	6250	1	35
700.00	397394	13.31	6550	1	36
525.00	0	0.00	0	2	1
530.00	0	0.00	0	2	2
535.00	0	0.00	0	2	3
540.00	0	0.00	0	2	4
545.00	0	0.00	0	2	5
550.00	0	0.00	0	2	6
555.00	0	0.00	0	2	7
560.00	0	0.00	0	2	8
565.00	0	0.00	0	2	9
570.00	0	0.00	0	2	10
575.00	0	0.00	0	2	11
580.00	405	1.18	317	2	12
585.00	3584	2.25	1060	2	13
590.00	9282	3.91	1204	2	14
595.00	15356	5.40	1222	2	15
600.00	21511	6.70	1239	2	16
605.00	27813	7.84	1298	2	17
610.00	34498	8.82	1359	2	18
615.00	41806	9.47	1941	2	19
620.00	56291	8.95	3850	2	20

625.00	76510	8.58	4237	2	21
630.00	98673	8.47	4632	2	22
635.00	122835	8.49	5027	2	23
640.00	148922	8.57	5407	2	24
645.00	176504	8.74	5625	2	25
650.00	205175	8.95	5843	2	26
655.00	234935	9.17	6060	2	27
660.00	265784	9.41	6278	2	28
665.00	297303	9.71	6329	2	29
670.00	329074	10.03	6379	2	30
675.00	361097	10.35	6429	2	31
680.00	393371	10.68	6480	2	32
525.00	0	0.00	0	3	1
530.00	0	0.00	0	3	2
535.00	0	0.00	0	3	3
540.00	0	0.00	0	3	4
545.00	0	0.00	0	3	5
550.00	0	0.00	0	3	6
555.00	0	0.00	0	3	7
560.00	0	0.00	0	3	8
565.00	0	0.00	0	3	9
570.00	0	0.00	0	3	10
575.00	0	0.00	0	3	11
580.00	349	0.79	499	3	12
585.00	3824	2.74	844	3	13
590.00	10294	3.70	1447	3	14
595.00	17772	5.14	1521	3	15
600.00	25491	6.40	1566	3	16
605.00	33439	7.51	1612	3	17
610.00	43964	6.15	3661	3	18
615.00	69088	5.16	6363	3	19
620.00	103538	5.91	7385	3	20
625.00	140968	6.66	7586	3	21
630.00	179421	7.38	7809	3	22
635.00	219155	8.04	8083	3	23
640.00	260258	8.67	8357	3	24
645.00	302514	9.27	8544	3	25
650.00	345701	9.85	8730	3	26
655.00	389822	10.39	8917	3	27
660.00	434875	10.92	9103	3	28
665.00	480798	11.42	9265	3	29
670.00	527529	11.91	9426	3	30
675.00	575068	12.38	9588	3	31
680.00	623414	12.84	9750	3	32
525.00	0	0.00	0	4	1
530.00	0	0.00	0	4	2
535.00	0	0.00	0	4	3
540.00	0	0.00	0	4	4
545.00	0	0.00	0	4	5
550.00	0	0.00	0	4	6
555.00	0	0.00	0	4	7
560.00	0	0.00	0	4	8
565.00	0	0.00	0	4	9
570.00	388	1.10	337	4	10
575.00	3002	2.68	682	4	11
580.00	6803	4.14	812	4	12
585.00	11044	5.48	872	4	13
590.00	15514	6.65	915	4	14
595.00	20199	7.67	958	4	15
600.00	25096	8.56	1000	4	16
605.00	30207	9.37	1043	4	17
610.00	37394	8.14	2723	4	18
615.00	57401	6.03	4870	4	19
620.00	83106	5.97	5308	4	20
625.00	109883	6.12	5402	4	21
630.00	137133	6.36	5497	4	22
635.00	164839	6.65	5574	4	23
640.00	192831	6.96	5621	4	24
645.00	221058	7.28	5669	4	25

650.00	249522	7.59	5716	4	26
655.00	278222	7.91	5763	4	27
660.00	307158	8.22	5810	4	28
665.00	336331	8.53	5858	4	29
670.00	365740	8.83	5905	4	30
675.00	395386	9.13	5952	4	31
680.00	425267	9.42	6000	4	32
525.00	0	0.00	0	5	1
530.00	0	0.00	0	5	2
535.00	0	0.00	0	5	3
540.00	0	0.00	0	5	4
545.00	0	0.00	0	5	5
550.00	0	0.00	0	5	6
555.00	0	0.00	0	5	7
560.00	0	0.00	0	5	8
565.00	0	0.00	0	5	9
570.00	0	0.00	0	5	10
575.00	0	0.00	0	5	11
580.00	44	0.54	111	5	12
585.00	5369	2.59	1284	5	13
590.00	11990	4.29	1344	5	14
595.00	18807	5.68	1382	5	15
600.00	25816	6.87	1420	5	16
605.00	33554	7.81	1828	5	17
610.00	45913	6.73	4178	5	18
615.00	75508	5.53	6639	5	19
620.00	111039	5.73	7646	5	20
625.00	149476	6.09	7724	5	21
630.00	188273	6.53	7794	5	22
635.00	227418	7.00	7863	5	23
640.00	266911	7.46	7933	5	24
645.00	306720	7.92	7990	5	25
650.00	346815	8.37	8047	5	26
655.00	387195	8.82	8104	5	27
660.00	427861	9.25	8161	5	28
665.00	468800	9.67	8213	5	29
670.00	509999	10.08	8265	5	30
675.00	551458	10.48	8317	5	31
680.00	593178	10.88	8370	5	32
525.00	0	0.00	0	6	1
530.00	0	0.00	0	6	2
535.00	0	0.00	0	6	3
540.00	0	0.00	0	6	4
545.00	0	0.00	0	6	5
550.00	0	0.00	0	6	6
555.00	0	0.00	0	6	7
560.00	0	0.00	0	6	8
565.00	0	0.00	0	6	9
570.00	0	0.00	0	6	10
575.00	0	0.00	0	6	11
580.00	223	1.00	224	6	12
585.00	6066	2.29	1749	6	13
590.00	14919	4.11	1791	6	14
595.00	23983	5.54	1833	6	15
600.00	33258	6.78	1876	6	16
605.00	43715	7.07	2834	6	17
610.00	62614	5.83	5024	6	18
615.00	87905	6.69	5086	6	19
620.00	113452	7.56	5140	6	20
625.00	139353	8.42	5220	6	21
630.00	165653	9.22	5300	6	22
635.00	192353	9.98	5380	6	23
640.00	219453	10.69	5460	6	24
645.00	246953	11.38	5540	6	25
650.00	274853	12.03	5620	6	26
655.00	303153	12.66	5700	6	27
660.00	331853	13.26	5780	6	28
665.00	360953	13.83	5860	6	29
670.00	390453	14.39	5940	6	30

675.00	420354	14.92	6020	6	31
680.00	450654	15.44	6100	6	32
525.00	0	0.00	0	7	1
530.00	0	0.00	0	7	2
535.00	0	0.00	0	7	3
540.00	0	0.00	0	7	4
545.00	0	0.00	0	7	5
550.00	0	0.00	0	7	6
555.00	0	0.00	0	7	7
560.00	0	0.00	0	7	8
565.00	0	0.00	0	7	9
570.00	0	0.00	0	7	10
575.00	0	0.00	0	7	11
580.00	2283	1.50	1236	7	12
585.00	9002	3.44	1416	7	13
590.00	16307	4.94	1494	7	14
595.00	23926	6.21	1552	7	15
600.00	31833	7.32	1610	7	16
605.00	40219	8.12	1921	7	17
610.00	51954	8.16	2648	7	18
615.00	65876	8.24	2920	7	19
620.00	81101	8.58	3128	7	20
625.00	96950	9.22	3193	7	21
630.00	112943	9.86	3203	7	22
635.00	128985	10.48	3213	7	23
640.00	145074	11.10	3222	7	24
645.00	161212	11.70	3232	7	25
650.00	177398	12.28	3242	7	26
655.00	193633	12.85	3251	7	27
660.00	209915	13.41	3261	7	28
665.00	226246	13.95	3271	7	29
670.00	242626	14.49	3280	7	30
675.00	259053	15.01	3290	7	31
680.00	275529	15.52	3300	7	32
525.00	0	0.00	0	8	1
530.00	0	0.00	0	8	2
535.00	0	0.00	0	8	3
540.00	0	0.00	0	8	4
545.00	0	0.00	0	8	5
550.00	0	0.00	0	8	6
555.00	0	0.00	0	8	7
560.00	0	0.00	0	8	8
565.00	0	0.00	0	8	9
570.00	0	0.00	0	8	10
575.00	0	0.00	0	8	11
580.00	3203	1.73	1409	8	12
585.00	10576	3.64	1520	8	13
590.00	18253	5.19	1549	8	14
595.00	26075	6.51	1579	8	15
600.00	34043	7.67	1608	8	16
605.00	43214	7.19	2585	8	17
610.00	57139	7.94	2972	8	18
615.00	72137	8.62	3026	8	19
620.00	87407	9.30	3081	8	20
625.00	102947	9.96	3130	8	21
630.00	118664	10.61	3156	8	22
635.00	134513	11.24	3182	8	23
640.00	150494	11.86	3209	8	24
645.00	166606	12.46	3235	8	25
650.00	182850	13.04	3261	8	26
655.00	199226	13.61	3288	8	27
660.00	215733	14.16	3314	8	28
665.00	232372	14.70	3340	8	29
670.00	249143	15.22	3367	8	30
675.00	266046	15.73	3393	8	31
680.00	283080	16.23	3420	8	32
525.00	0	0.00	0	9	1
530.00	0	0.00	0	9	2
535.00	0	0.00	0	9	3

540.00	0	0.00	0	9	4
545.00	0	0.00	0	9	5
550.00	0	0.00	0	9	6
555.00	0	0.00	0	9	7
560.00	0	0.00	0	9	8
565.00	0	0.00	0	9	9
570.00	0	0.00	0	9	10
575.00	0	0.00	0	9	11
580.00	4254	2.09	1406	9	12
585.00	11404	3.97	1445	9	13
590.00	18709	5.44	1476	9	14
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610.00	70618	7.08	5175	9	18
615.00	96738	6.91	5273	9	19
620.00	123348	6.99	5370	9	20
625.00	150448	7.18	5468	9	21
630.00	178038	7.41	5568	9	22
635.00	206127	7.67	5663	9	23
640.00	234859	7.91	5865	9	24
645.00	264341	8.19	5926	9	25
650.00	294124	8.47	5986	9	26
655.00	324210	8.76	6047	9	27
660.00	354599	9.04	6107	9	28
665.00	385290	9.32	6168	9	29
670.00	416284	9.59	6228	9	30
675.00	447580	9.86	6289	9	31
680.00	479179	10.13	6350	9	32
525.00	0	0.00	0	10	1
530.00	0	0.00	0	10	2
535.00	0	0.00	0	10	3
540.00	0	0.00	0	10	4
545.00	0	0.00	0	10	5
550.00	0	0.00	0	10	6
555.00	0	0.00	0	10	7
560.00	0	0.00	0	10	8
565.00	118	0.75	182	10	9
570.00	2016	2.21	614	10	10
575.00	6641	3.52	1003	10	11
580.00	11903	4.93	1090	10	12
585.00	17417	6.26	1115	10	13
590.00	23056	7.44	1140	10	14
595.00	28819	8.51	1165	10	15
600.00	36001	9.15	2407	10	16
605.00	54347	7.98	5257	10	17
610.00	82048	6.99	5817	10	18
615.00	112449	6.74	6434	10	19
620.00	145160	6.75	6650	10	20
625.00	184512	6.68	7930	10	21
630.00	224469	6.84	8051	10	22
635.00	265029	7.06	8172	10	23
640.00	306194	7.32	8293	10	24
645.00	347837	7.60	8364	10	25
650.00	389835	7.90	8435	10	26
655.00	432187	8.20	8505	10	27
660.00	474894	8.50	8576	10	28
665.00	517892	8.80	8622	10	29
670.00	561119	9.11	8668	10	30
675.00	604575	9.41	8714	10	31
680.00	648260	9.71	8760	10	32
525.00	0	0.00	0	11	1
530.00	0	0.00	0	11	2
535.00	0	0.00	0	11	3
540.00	0	0.00	0	11	4
545.00	0	0.00	0	11	5
550.00	0	0.00	0	11	6
555.00	0	0.00	0	11	7
560.00	0	0.00	0	11	8

565.00	0	0.00	0	11	9
570.00	0	0.00	0	11	10
575.00	1005	0.96	1061	11	11
580.00	7038	3.18	1239	11	12
585.00	13309	4.79	1269	11	13
590.00	19729	6.13	1298	11	14
595.00	26375	7.28	1421	11	15
600.00	35388	7.74	3127	11	16
605.00	59988	6.25	7002	11	17
610.00	97228	5.41	8166	11	18
615.00	138671	5.16	8472	11	19
620.00	182485	5.13	8960	11	20
625.00	227472	5.25	9084	11	21
630.00	273823	5.39	9456	11	22
635.00	322034	5.54	9828	11	23
640.00	372105	5.71	10200	11	24
645.00	423604	5.89	10399	11	25
650.00	476102	6.08	10599	11	26
655.00	529599	6.27	10799	11	27
660.00	584095	6.46	10999	11	28
665.00	639309	6.66	11086	11	29
670.00	694962	6.87	11174	11	30
675.00	751054	7.07	11262	11	31
680.00	807585	7.28	11350	11	32
525.00	0	0.00	0	12	1
530.00	0	0.00	0	12	2
535.00	0	0.00	0	12	3
540.00	0	0.00	0	12	4
545.00	0	0.00	0	12	5
550.00	0	0.00	0	12	6
555.00	0	0.00	0	12	7
560.00	0	0.00	0	12	8
565.00	0	0.00	0	12	9
570.00	0	0.00	0	12	10
575.00	1273	1.01	1260	12	11
580.00	8407	3.16	1495	12	12
585.00	16110	4.71	1577	12	13
590.00	24172	6.00	1647	12	14
595.00	33408	6.94	3097	12	15
600.00	55258	6.13	6481	12	16
605.00	90331	4.62	7812	12	17
610.00	129676	4.94	7925	12	18
615.00	169583	5.34	8037	12	19
620.00	210053	5.76	8150	12	20
625.00	250836	6.19	8162	12	21
630.00	291682	6.62	8175	12	22
635.00	332590	7.04	8187	12	23
640.00	373561	7.45	8200	12	24
645.00	414595	7.86	8213	12	25
650.00	455692	8.25	8225	12	26
655.00	496852	8.64	8238	12	27
660.00	538074	9.02	8250	12	28
665.00	579359	9.39	8263	12	29
670.00	620707	9.75	8275	12	30
675.00	662118	10.11	8288	12	31
680.00	703592	10.46	8301	12	32
525.00	0	0.00	0	13	1
530.00	0	0.00	0	13	2
535.00	0	0.00	0	13	3
540.00	0	0.00	0	13	4
545.00	0	0.00	0	13	5
550.00	0	0.00	0	13	6
555.00	0	0.00	0	13	7
560.00	0	0.00	0	13	8
565.00	37	0.59	83	13	9
570.00	1867	1.77	795	13	10
575.00	7281	3.34	1198	13	11
580.00	13410	4.87	1253	13	12
585.00	19816	6.13	1309	13	13

590.00	26501	7.24	1364	13	14
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600.00	55277	5.83	5052	13	16
605.00	80737	6.29	5131	13	17
610.00	106594	6.90	5211	13	18
615.00	132849	7.53	5290	13	19
620.00	159500	8.15	5370	13	20
625.00	186479	8.76	5421	13	21
630.00	213715	9.36	5473	13	22
635.00	244084	9.84	6174	13	23
640.00	275460	10.29	6376	13	24
645.00	308344	10.70	6777	13	25
650.00	343235	11.07	7179	13	26
655.00	380134	11.39	7580	13	27
660.00	419035	11.69	7977	13	28
665.00	459406	11.98	8170	13	29
670.00	500743	12.27	8363	13	30
675.00	543045	12.55	8556	13	31
680.00	586313	12.82	8750	13	32
525.00	0	0.00	0	14	1
530.00	0	0.00	0	14	2
535.00	0	0.00	0	14	3
540.00	0	0.00	0	14	4
545.00	0	0.00	0	14	5
550.00	0	0.00	0	14	6
555.00	0	0.00	0	14	7
560.00	0	0.00	0	14	8
565.00	0	0.00	0	14	9
570.00	2127	1.72	939	14	10
575.00	7585	3.51	1153	14	11
580.00	13449	5.03	1191	14	12
585.00	19483	6.35	1222	14	13
590.00	25764	7.48	1430	14	14
595.00	35405	7.76	2613	14	15
600.00	50008	7.37	3453	14	16
605.00	67476	7.22	3533	14	17
610.00	85343	7.28	3613	14	18
615.00	116786	6.63	6443	14	19
620.00	149808	6.32	6782	14	20
625.00	184431	6.17	7066	14	21
630.00	220476	6.10	7351	14	22
635.00	257943	6.09	7635	14	23
640.00	296832	6.10	7920	14	24
645.00	336785	6.15	8061	14	25
650.00	377444	6.22	8202	14	26
655.00	418810	6.30	8343	14	27
660.00	460882	6.39	8485	14	28
525.00	0	0.00	0	15	1
530.00	0	0.00	0	15	2
535.00	0	0.00	0	15	3
540.00	0	0.00	0	15	4
545.00	0	0.00	0	15	5
550.00	0	0.00	0	15	6
555.00	0	0.00	0	15	7
560.00	493	1.13	413	15	8
565.00	3645	2.85	757	15	9
570.00	7866	4.19	915	15	10
575.00	12627	5.54	974	15	11
580.00	17585	6.76	1008	15	12
585.00	22713	7.85	1042	15	13
590.00	28013	8.81	1079	15	14
595.00	33995	9.48	1703	15	15
600.00	43480	9.56	2500	15	16
605.00	56078	9.59	2544	15	17
610.00	69002	9.85	2625	15	18
615.00	95504	8.91	5455	15	19
620.00	123557	8.52	5763	15	20
625.00	153133	8.37	6066	15	21
630.00	184224	8.35	6369	15	22

635.00	216829	8.39	6672	15	23
640.00	250948	8.48	6975	15	24
645.00	286119	8.66	7092	15	25
650.00	321876	8.86	7210	15	26
655.00	358221	9.08	7327	15	27
660.00	395152	9.30	7445	15	28
525.00	0	0.00	0	16	1
530.00	0	0.00	0	16	2
535.00	0	0.00	0	16	3
540.00	0	0.00	0	16	4
545.00	0	0.00	0	16	5
550.00	0	0.00	0	16	6
555.00	0	0.00	0	16	7
560.00	0	0.00	0	16	8
565.00	0	0.00	0	16	9
570.00	3211	2.12	1046	16	10
575.00	9249	3.74	1291	16	11
580.00	15865	5.19	1355	16	12
585.00	22799	6.39	1418	16	13
590.00	30053	7.44	1482	16	14
595.00	38324	6.67	2643	16	15
600.00	52783	7.31	3139	16	16
605.00	69437	7.80	3391	16	17
610.00	86478	8.48	3425	16	18
615.00	106125	8.97	4083	16	19
620.00	127315	9.41	4388	16	20
625.00	151639	9.75	5041	16	21
630.00	177734	10.05	5400	16	22
635.00	208962	10.12	7090	16	23
640.00	248640	9.98	8780	16	24
645.00	294055	9.86	9125	16	25
650.00	339894	9.87	9210	16	26
655.00	386132	9.96	9285	16	27
660.00	432745	10.09	9360	16	28
525.00	0	0.00	0	17	1
530.00	0	0.00	0	17	2
535.00	0	0.00	0	17	3
540.00	0	0.00	0	17	4
545.00	0	0.00	0	17	5
550.00	0	0.00	0	17	6
555.00	0	0.00	0	17	7
560.00	0	0.00	0	17	8
565.00	0	0.00	0	17	9
570.00	1437	1.17	1134	17	10
575.00	7661	3.24	1310	17	11
580.00	14600	4.72	1423	17	12
585.00	21868	6.01	1483	17	13
590.00	29432	7.14	1543	17	14
595.00	42525	7.11	2780	17	15
600.00	56888	7.68	3236	17	16
605.00	73131	8.28	3260	17	17
610.00	89497	8.94	3285	17	18
615.00	108404	9.40	3927	17	19
620.00	128774	9.81	4220	17	20
625.00	152282	10.06	4882	17	21
630.00	177603	10.28	5245	17	22
635.00	208037	10.27	6928	17	23
640.00	246884	10.06	8610	17	24
645.00	291432	9.85	8948	17	25
650.00	336367	9.79	9025	17	26
655.00	381665	9.80	9093	17	27
660.00	427301	9.87	9161	17	28
525.00	0	0.00	0	18	1
530.00	0	0.00	0	18	2
535.00	0	0.00	0	18	3
540.00	0	0.00	0	18	4
545.00	0	0.00	0	18	5
550.00	0	0.00	0	18	6
555.00	0	0.00	0	18	7

560.00	0	0.00	0	18	8
565.00	140	0.42	525	18	9
570.00	6726	2.75	1474	18	10
575.00	14184	4.45	1508	18	11
580.00	21810	5.84	1540	18	12
585.00	29701	6.44	1811	18	13
590.00	39749	6.64	2321	18	14
595.00	54283	6.23	3511	18	15
600.00	73454	7.03	4015	18	16
605.00	94046	8.09	4186	18	17
610.00	115231	9.12	4287	18	18
615.00	139359	9.90	5013	18	19
620.00	165369	10.57	5390	18	20
625.00	194923	11.07	6131	18	21
630.00	226683	11.51	6572	18	22
635.00	263923	11.71	8323	18	23
640.00	309921	11.71	10075	18	24
645.00	361911	11.73	10461	18	25
650.00	414533	11.86	10587	18	26
655.00	467762	12.05	10703	18	27
660.00	521571	12.27	10820	18	28
525.00	0	0.00	0	19	1
530.00	0	0.00	0	19	2
535.00	0	0.00	0	19	3
540.00	0	0.00	0	19	4
545.00	0	0.00	0	19	5
550.00	0	0.00	0	19	6
555.00	0	0.00	0	19	7
560.00	26	0.59	59	19	8
565.00	1668	1.73	733	19	9
570.00	6666	3.24	1141	19	10
575.00	12552	4.75	1213	19	11
580.00	18803	5.96	1289	19	12
585.00	25633	5.93	1770	19	13
590.00	37040	4.83	3519	19	14
595.00	56083	5.76	4209	19	15
600.00	77352	6.91	4295	19	16
605.00	98976	7.97	4352	19	17
610.00	120845	8.98	4395	19	18
615.00	145364	9.76	5062	19	19
620.00	171474	10.44	5384	19	20
625.00	200921	10.93	6094	19	21
630.00	232415	11.35	6503	19	22
635.00	269256	11.55	8232	19	23
640.00	314744	11.50	9962	19	24
645.00	366105	11.41	10321	19	25
650.00	417962	11.42	10421	19	26
655.00	470291	11.50	10510	19	27
660.00	523068	11.61	10600	19	28
525.00	0	0.00	0	20	1
530.00	0	0.00	0	20	2
535.00	0	0.00	0	20	3
540.00	0	0.00	0	20	4
545.00	0	0.00	0	20	5
550.00	0	0.00	0	20	6
555.00	0	0.00	0	20	7
560.00	0	0.00	0	20	8
565.00	0	0.00	0	20	9
570.00	5961	2.68	1361	20	10
575.00	13001	4.31	1449	20	11
580.00	20420	5.66	1514	20	12
585.00	28544	5.32	2320	20	13
590.00	42850	5.37	3433	20	14
595.00	63150	6.02	4352	20	15
600.00	85318	7.21	4514	20	16
605.00	107982	8.29	4550	20	17
610.00	130828	9.29	4587	20	18
615.00	156295	10.07	5249	20	19
620.00	183320	10.75	5560	20	20

625.00	213603	11.25	6252	20	21
630.00	245843	11.69	6643	20	22
635.00	283342	11.91	8355	20	23
640.00	329399	11.89	10067	20	24
645.00	381270	11.81	10421	20	25
650.00	433612	11.82	10515	20	26
655.00	486399	11.89	10599	20	27
660.00	539607	12.01	10683	20	28
665.00	593473	12.14	10862	20	29
670.00	648234	12.28	11041	20	30
675.00	703891	12.44	11220	20	31
680.00	760443	12.59	11400	20	32
525.00	0	0.00	0	21	1
530.00	0	0.00	0	21	2
535.00	0	0.00	0	21	3
540.00	0	0.00	0	21	4
545.00	0	0.00	0	21	5
550.00	0	0.00	0	21	6
555.00	0	0.00	0	21	7
560.00	0	0.00	0	21	8
565.00	1233	1.13	1028	21	9
570.00	7646	3.17	1354	21	10
575.00	14564	4.73	1412	21	11
580.00	21770	6.02	1470	21	12
585.00	29674	4.81	2806	21	13
590.00	49328	4.69	4901	21	14
595.00	74779	5.99	5201	21	15
600.00	101197	7.17	5365	21	16
605.00	128168	8.23	5422	21	17
610.00	155424	9.22	5479	21	18
615.00	185402	10.02	6161	21	19
620.00	217041	10.73	6493	21	20
625.00	252077	11.27	7220	21	21
630.00	289249	11.74	7647	21	22
635.00	331855	12.02	9394	21	23
640.00	383197	12.08	11141	21	24
645.00	440499	12.08	11518	21	25
650.00	498386	12.16	11635	21	26
655.00	556833	12.28	11742	21	27
660.00	615816	12.44	11850	21	28
525.00	0	0.00	0	22	1
530.00	0	0.00	0	22	2
535.00	0	0.00	0	22	3
540.00	0	0.00	0	22	4
545.00	0	0.00	0	22	5
550.00	0	0.00	0	22	6
555.00	0	0.00	0	22	7
560.00	0	0.00	0	22	8
565.00	1855	1.31	1233	22	9
570.00	8314	3.38	1338	22	10
575.00	15238	4.84	1430	22	11
580.00	23320	5.35	2000	22	12
585.00	35290	5.49	2742	22	13
590.00	50629	5.66	3578	22	14
595.00	69699	6.62	3854	22	15
600.00	89030	7.73	3878	22	16
605.00	110934	8.58	4840	22	17
610.00	136224	9.20	5276	22	18
615.00	163694	9.71	5712	22	19
620.00	193345	10.13	6148	22	20
625.00	225242	10.49	6610	22	21
630.00	259453	10.78	7073	22	22
635.00	295978	11.04	7536	22	23
640.00	334816	11.25	7999	22	24
645.00	375812	11.44	8399	22	25
650.00	418809	11.62	8799	22	26
655.00	463807	11.77	9199	22	27
660.00	510807	11.92	9600	22	28
525.00	0	0.00	0	23	1

530.00	0	0.00	0	23	2
535.00	0	0.00	0	23	3
540.00	0	0.00	0	23	4
545.00	0	0.00	0	23	5
550.00	0	0.00	0	23	6
555.00	0	0.00	0	23	7
560.00	1195	1.51	646	23	8
565.00	5911	3.08	1093	23	9
570.00	11492	4.67	1138	23	10
575.00	17397	5.84	1229	23	11
580.00	23785	6.84	1325	23	12
585.00	30656	7.73	1422	23	13
590.00	38771	7.80	3089	23	14
595.00	62750	6.86	5165	23	15
600.00	89569	6.64	5561	23	16
605.00	119922	6.59	6533	23	17
610.00	153662	6.60	6962	23	18
615.00	189532	6.68	7385	23	19
620.00	227515	6.79	7807	23	20
625.00	267739	6.90	8281	23	21
630.00	310333	7.02	8755	23	22
635.00	355298	7.14	9229	23	23
640.00	402632	7.25	9703	23	24
645.00	452181	7.36	10115	23	25
650.00	503787	7.46	10526	23	26
655.00	557450	7.57	10938	23	27
660.00	613172	7.67	11350	23	28
525.00	0	0.00	0	24	1
530.00	0	0.00	0	24	2
535.00	0	0.00	0	24	3
540.00	0	0.00	0	24	4
545.00	0	0.00	0	24	5
550.00	0	0.00	0	24	6
555.00	0	0.00	0	24	7
560.00	133	0.49	385	24	8
565.00	4887	2.73	1084	24	9
570.00	10596	4.27	1199	24	10
575.00	16880	5.50	1307	24	11
580.00	23834	5.35	1933	24	12
585.00	37504	4.06	4618	24	13
590.00	64110	4.98	5744	24	14
595.00	93781	6.10	6124	24	15
600.00	124923	7.19	6332	24	16
605.00	158356	8.20	6840	24	17
610.00	193331	9.11	7149	24	18
615.00	229848	9.92	7457	24	19
620.00	267906	10.65	7765	24	20
625.00	308257	11.28	8374	24	21
630.00	351650	11.82	8982	24	22
635.00	398086	12.28	9591	24	23
640.00	447565	12.68	10200	24	24
645.00	500977	13.02	10785	24	25
650.00	555415	13.37	10990	24	26
655.00	610877	13.73	11195	24	27
660.00	667365	14.08	11400	24	28
525.00	0	0.00	0	25	1
530.00	0	0.00	0	25	2
535.00	0	0.00	0	25	3
540.00	0	0.00	0	25	4
545.00	0	0.00	0	25	5
550.00	0	0.00	0	25	6
555.00	0	0.00	0	25	7
560.00	573	0.80	807	25	8
565.00	6076	2.98	1178	25	9
570.00	12240	4.49	1287	25	10
575.00	18950	5.69	1396	25	11
580.00	26359	5.79	1889	25	12
585.00	43814	4.03	5424	25	13
590.00	72750	5.26	6101	25	14

595.00	103721	6.50	6332	25	15
600.00	135759	7.66	6482	25	16
605.00	170000	8.63	7014	25	17
610.00	205902	9.49	7346	25	18
615.00	243463	10.26	7678	25	19
620.00	282683	10.96	8010	25	20
625.00	324321	11.55	8645	25	21
630.00	369133	12.06	9280	25	22
635.00	417121	12.49	9915	25	23
640.00	468283	12.85	10550	25	24
645.00	521302	13.23	10657	25	25
650.00	574858	13.60	10765	25	26
655.00	628952	13.98	10872	25	27
660.00	683583	14.36	10980	25	28
525.00	0	0.00	0	26	1
530.00	0	0.00	0	26	2
535.00	0	0.00	0	26	3
540.00	0	0.00	0	26	4
545.00	0	0.00	0	26	5
550.00	0	0.00	0	26	6
555.00	0	0.00	0	26	7
560.00	2768	1.76	1189	26	8
565.00	9344	3.65	1338	26	9
570.00	16125	5.16	1373	26	10
575.00	23080	6.44	1408	26	11
580.00	30211	7.57	1443	26	12
585.00	51070	4.45	5441	26	13
590.00	82219	5.40	6565	26	14
595.00	115164	6.73	6612	26	15
600.00	148346	7.92	6660	26	16
605.00	189405	8.60	8363	26	17
610.00	231980	9.26	8666	26	18
615.00	276073	9.89	8970	26	19
620.00	321683	10.48	9273	26	20
625.00	368810	11.04	9577	26	21
630.00	417454	11.57	9880	26	22
635.00	467615	12.07	10183	26	23
640.00	519293	12.55	10487	26	24
645.00	572176	13.03	10665	26	25
650.00	625950	13.49	10844	26	26
655.00	680617	13.95	11022	26	27
660.00	736176	14.39	11201	26	28
525.00	0	0.00	0	27	1
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535.00	0	0.00	0	27	3
540.00	0	0.00	0	27	4
545.00	0	0.00	0	27	5
550.00	0	0.00	0	27	6
555.00	1847	2.32	522	27	7
560.00	5638	3.16	1003	27	8
565.00	10958	4.60	1108	27	9
570.00	16719	5.79	1195	27	10
575.00	22932	6.38	1416	27	11
580.00	34690	4.81	3276	27	12
585.00	55504	5.08	4856	27	13
590.00	83785	5.81	6020	27	14
595.00	114150	7.06	6125	27	15
600.00	145150	8.17	6279	27	16
605.00	176882	9.17	6406	27	17
610.00	209130	10.15	6492	27	18
615.00	241807	11.07	6578	27	19
620.00	274912	11.93	6663	27	20
625.00	308509	12.75	6774	27	21
630.00	342660	13.53	6885	27	22
635.00	377364	14.26	6996	27	23
640.00	412622	14.97	7106	27	24
645.00	448309	15.65	7167	27	25
650.00	484300	16.31	7228	27	26
655.00	520594	16.96	7289	27	27

660.00	557192	17.58	7350	27	28
525.00	0	0.00	0	28	1
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535.00	0	0.00	0	28	3
540.00	0	0.00	0	28	4
545.00	0	0.00	0	28	5
550.00	0	0.00	0	28	6
555.00	51	0.45	172	28	7
560.00	4246	2.41	1133	28	8
565.00	10300	4.04	1267	28	9
570.00	16838	5.37	1347	28	10
575.00	23779	6.49	1428	28	11
580.00	31252	6.68	1798	28	12
585.00	44265	4.80	4197	28	13
590.00	71025	4.92	6490	28	14
595.00	104616	6.09	6945	28	15
600.00	139729	7.33	7100	28	16
605.00	179879	8.03	8290	28	17
610.00	222629	9.00	8810	28	18
615.00	267354	9.87	9080	28	19
620.00	313429	10.66	9350	28	20
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630.00	408429	12.12	9650	28	22
635.00	457054	12.80	9800	28	23
640.00	506429	13.45	9950	28	24
645.00	556461	14.08	10062	28	25
650.00	607055	14.68	10175	28	26
655.00	658211	15.27	10287	28	27
660.00	709929	15.83	10400	28	28
525.00	0	0.00	0	29	1
530.00	0	0.00	0	29	2
535.00	0	0.00	0	29	3
540.00	0	0.00	0	29	4
545.00	0	0.00	0	29	5
550.00	0	0.00	0	29	6
555.00	434	1.13	361	29	7
560.00	5371	2.66	1234	29	8
565.00	11847	4.30	1325	29	9
570.00	18612	5.66	1380	29	10
575.00	25667	6.59	1514	29	11
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585.00	63707	4.80	6062	29	13
590.00	95380	5.95	6623	29	14
595.00	129908	6.95	7150	29	15
600.00	166282	8.04	7515	29	16
605.00	204190	9.08	7648	29	17
610.00	242765	10.04	7781	29	18
615.00	282007	10.93	7915	29	19
620.00	321915	11.77	8048	29	20
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630.00	403732	13.32	8315	29	22
635.00	445640	14.04	8448	29	23
640.00	488215	14.73	8581	29	24
645.00	532332	15.34	9065	29	25
650.00	578865	15.89	9548	29	26
655.00	627815	16.39	10031	29	27
660.00	679182	16.83	10515	29	28
525.00	0	0.00	0	30	1
530.00	0	0.00	0	30	2
535.00	0	0.00	0	30	3
540.00	0	0.00	0	30	4
545.00	0	0.00	0	30	5
550.00	9	0.28	62	30	6
555.00	3184	2.39	864	30	7
560.00	7954	3.93	1019	30	8
565.00	13162	5.34	1063	30	9
570.00	19451	5.89	1358	30	10
575.00	29069	5.24	2417	30	11
580.00	44390	4.67	4383	30	12

585.00	67544	5.53	5187	30	13
590.00	94507	6.69	5443	30	14
595.00	122118	7.88	5600	30	15
600.00	150517	8.95	5758	30	16
605.00	181086	9.85	6169	30	17
610.00	212207	10.69	6279	30	18
615.00	243880	11.49	6389	30	19
620.00	276104	12.24	6500	30	20
625.00	310385	12.93	7212	30	21
630.00	348229	13.48	7925	30	22
635.00	389635	13.92	8637	30	23
640.00	434604	14.27	9350	30	24
645.00	481417	14.61	9375	30	25
650.00	528356	14.98	9400	30	26
655.00	575422	15.37	9425	30	27
660.00	622614	15.76	9451	30	28
525.00	0	0.00	0	31	1
530.00	0	0.00	0	31	2
535.00	0	0.00	0	31	3
540.00	0	0.00	0	31	4
545.00	0	0.00	0	31	5
550.00	1632	1.61	795	31	6
555.00	6483	3.33	1066	31	7
560.00	11964	4.85	1117	31	8
565.00	17648	6.14	1156	31	9
570.00	23527	7.27	1195	31	10
575.00	29603	8.29	1234	31	11
580.00	41272	4.21	4780	31	12
585.00	66105	5.56	5053	31	13
590.00	91634	6.82	5158	31	14
595.00	117689	7.94	5267	31	15
600.00	144398	8.97	5520	31	16
605.00	175632	9.78	7002	31	17
610.00	212975	10.30	7934	31	18
615.00	254291	10.70	8591	31	19
620.00	298892	11.03	9248	31	20
625.00	345989	11.35	9590	31	21
630.00	394794	11.66	9931	31	22
635.00	445305	11.96	10272	31	23
640.00	497521	12.26	10605	31	24
645.00	551182	12.54	10859	31	25
650.00	606112	12.83	11112	31	26
655.00	662310	13.11	11366	31	27
660.00	719776	13.38	11620	31	28
525.00	0	0.00	0	32	1
530.00	0	0.00	0	32	2
535.00	0	0.00	0	32	3
540.00	0	0.00	0	32	4
545.00	0	0.00	0	32	5
550.00	1292	1.55	670	32	6
555.00	5144	3.25	876	32	7
560.00	9997	4.26	1134	32	8
565.00	15946	5.48	1234	32	9
570.00	22330	6.56	1316	32	10
575.00	29434	6.32	1835	32	11
580.00	49511	4.44	5267	32	12
585.00	77223	5.61	5788	32	13
590.00	108379	6.41	6663	32	14
595.00	142814	7.39	7181	32	15
600.00	179302	8.46	7400	32	16
605.00	219908	9.37	8872	32	17
610.00	266577	10.04	9795	32	18
615.00	317171	10.61	10442	32	19
620.00	371002	11.10	11090	32	20
625.00	427180	11.58	11381	32	21
630.00	484814	12.04	11672	32	22
635.00	543905	12.48	11963	32	23
640.00	604452	12.91	12255	32	24
645.00	666486	13.32	12558	32	25

650.00	730039	13.72	12862	32	26
655.00	795111	14.10	13166	32	27
660.00	861702	14.46	13470	32	28
525.00	0	0.00	0	33	1
530.00	0	0.00	0	33	2
535.00	0	0.00	0	33	3
540.00	1476	1.71	661	33	4
545.00	5470	3.39	876	33	5
550.00	10059	4.90	946	33	6
555.00	14922	6.20	998	33	7
560.00	20047	7.33	1051	33	8
565.00	25434	8.35	1103	33	9
570.00	31082	9.28	1155	33	10
575.00	37208	9.61	1750	33	11
580.00	56591	7.23	5311	33	12
585.00	83504	7.42	5445	33	13
590.00	111287	8.05	5854	33	14
595.00	141591	8.41	6616	33	15
600.00	178422	9.12	8201	33	16
605.00	226850	9.49	10739	33	17
610.00	281514	9.92	11126	33	18
615.00	337553	10.46	11288	33	19
620.00	394403	11.05	11451	33	20
625.00	451691	11.67	11463	33	21
630.00	509040	12.30	11476	33	22
635.00	566452	12.94	11488	33	23
640.00	623927	13.57	11501	33	24
645.00	681464	14.21	11513	33	25
650.00	739063	14.83	11526	33	26
655.00	796724	15.45	11538	33	27
660.00	854448	16.06	11551	33	28
525.00	0	0.00	0	34	1
530.00	0	0.00	0	34	2
535.00	0	0.00	0	34	3
540.00	0	0.00	0	34	4
545.00	0	0.00	0	34	5
550.00	4898	2.72	1090	34	6
555.00	10489	4.37	1146	34	7
560.00	16362	5.69	1202	34	8
565.00	22515	6.83	1258	34	9
570.00	30091	5.19	2537	34	10
575.00	49498	4.57	5068	34	11
580.00	77319	5.61	6113	34	12
585.00	108313	6.79	6248	34	13
590.00	139741	7.89	6322	34	14
595.00	171535	8.91	6398	34	15
600.00	203881	9.82	6540	34	16
605.00	236883	10.68	6660	34	17
610.00	270489	11.49	6781	34	18
615.00	304699	12.25	6902	34	19
620.00	339514	12.98	7023	34	20
625.00	375351	13.64	7311	34	21
630.00	412631	14.26	7600	34	22
635.00	451351	14.83	7888	34	23
640.00	491514	15.36	8176	34	24
645.00	535217	15.85	8902	34	25
650.00	579869	16.38	8958	34	26
655.00	624800	16.91	9014	34	27
660.00	670011	17.43	9070	34	28
525.00	0	0.00	0	35	1
530.00	0	0.00	0	35	2
535.00	0	0.00	0	35	3
540.00	1149	1.63	551	35	4
545.00	4867	3.05	914	35	5
550.00	9758	4.52	1015	35	6
555.00	14952	5.83	1059	35	7
560.00	20326	7.01	1089	35	8
565.00	25865	7.76	1191	35	9
570.00	32954	7.58	1570	35	10

575.00	42280	6.49	2547	35	11
580.00	57487	6.58	3416	35	12
585.00	74963	7.71	3573	35	13
590.00	93562	8.50	3870	35	14
595.00	113225	9.45	3972	35	15
600.00	133177	10.39	4008	35	16
605.00	153314	11.28	4045	35	17
610.00	173635	12.12	4082	35	18
615.00	194140	12.92	4119	35	19
620.00	214829	13.69	4156	35	20
625.00	235703	14.43	4193	35	21
630.00	256761	15.13	4229	35	22
635.00	278002	15.82	4266	35	23
640.00	299429	16.47	4303	35	24
645.00	321039	17.11	4340	35	25
650.00	342833	17.72	4377	35	26
655.00	364812	18.32	4414	35	27
660.00	386975	18.90	4451	35	28
525.00	0	0.00	0	36	1
530.00	107	0.70	184	36	2
535.00	2360	2.54	581	36	3
540.00	5622	3.98	708	36	4
545.00	9269	5.35	747	36	5
550.00	13064	6.56	772	36	6
555.00	17027	7.58	810	36	7
560.00	21153	8.53	841	36	8
565.00	25456	9.36	879	36	9
570.00	30182	8.30	1250	36	10
575.00	38298	7.05	2033	36	11
580.00	49276	7.44	2414	36	12
585.00	62942	7.65	2961	36	13
590.00	77972	8.67	3046	36	14
595.00	93353	9.71	3103	36	15
600.00	108977	10.68	3158	36	16
605.00	125008	11.60	3259	36	17
610.00	141607	12.44	3366	36	18
615.00	158523	13.23	3398	36	19
620.00	175578	13.99	3423	36	20
625.00	192742	14.74	3442	36	21
630.00	210003	15.47	3462	36	22
635.00	227362	16.18	3481	36	23
640.00	244819	16.87	3501	36	24
645.00	262387	17.54	3526	36	25
650.00	280081	18.19	3551	36	26
655.00	297902	18.82	3576	36	27
660.00	315849	19.44	3602	36	28
525.00	0	0.00	0	37	1
530.00	0	0.00	0	37	2
535.00	28	0.40	115	37	3
540.00	2537	2.46	658	37	4
545.00	7653	3.43	1205	37	5
550.00	13740	4.99	1229	37	6
555.00	19944	6.31	1252	37	7
560.00	26266	7.48	1276	37	8
565.00	32706	8.55	1299	37	9
570.00	39264	9.53	1323	37	10
575.00	49140	7.57	2347	37	11
580.00	63406	6.91	3480	37	12
585.00	81007	8.01	3560	37	13
590.00	99614	8.85	3773	37	14
595.00	118563	9.87	3806	37	15
600.00	137681	10.84	3840	37	16
605.00	156932	11.82	3860	37	17
610.00	176284	12.74	3880	37	18
615.00	195735	13.63	3900	37	19
620.00	215286	14.49	3920	37	20
625.00	234949	15.31	3945	37	21
630.00	254738	16.10	3970	37	22
635.00	274651	16.87	3995	37	23

640.00	294689	17.62	4020	37	24
645.00	314853	18.34	4045	37	25
650.00	335141	19.05	4070	37	26
655.00	355554	19.73	4095	37	27
660.00	376092	20.40	4120	37	28
665.00	396754	21.06	4145	37	29
670.00	417542	21.69	4170	37	30
675.00	438455	22.32	4195	37	31
680.00	459492	22.92	4220	37	32