Contract Report 640

Modeling the Lake Pittsfield Watershed Using the AGNPS-ARC/INFO Model

by
Deva K. Borah and Kingsley M. Allan

**Prepared for the
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Illinois State Water Survey
Watershed Science Section and Office of the Chief
Champaign, Illinois

A Division of the Illinois Department of Natural Resources

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INTRODUCTION

The Lake Pittsfield watershed contributes to the Blue Creek and its tributaries and ultimately to Lake Pittsfield. Lake Pittsfield suffers from significant sedimentation problems; the upper portion has filled with sediment. Other problems include channel erosion and high nutrient loading in surface runoff. For addressing the water quality problems in Lake Pittsfield and its watershed, the Illinois Environmental Protection Agency (IEPA) proposed to develop a model for the 11-square-mile Lake Pittsfield watershed using the U.S. Department of Agriculture (USDA) Agricultural Research Service (ARS) Agricultural Nonpoint Source Pollution (AGNPS) model (Young et al., 1987, 1989), and predict pollutant loads (nutrients, pesticides, and sediment) under the following conditions:

- prior to the implementation of Section 319 Best Management Practices (BMPs),
- subsequent to the implementation of Section 319 BMPs,
- subsequent to proposed recommended BMPs.

The BMPs were to be recommended through the use of an expert system called Support Technology for Environmental Water and Agricultural Resource Decision (STEWARD) discussed in a companion report (Borah, 1998).

To assist in achieving the above objectives, IEPA contracted the Illinois State Water Survey (ISWS) to develop Geographic Information System (GIS) databases and spatial analysis techniques and application programs to facilitate, among others, the use of the AGNPS model and modeling the Lake Pittsfield watershed. With assistance from scientists at the Pennsylvania State University (Perm State), the ISWS proposed to develop an ARC/INFO (a GIS software package) interface to the AGNPS model, which will be called the AGNPS-ARC/INFO model, apply it, and use it for the Lake Pittsfield watershed. The AGNPS-ARC/INFO interface was originally developed at Iowa State University (Liao and Tim, 1997), and later revised at Penn State (Lehning et al., 1997, 1998).

In order to understand the soil erosion and sedimentation problems in the Lake Pittsfield watershed, and to better prepare the input data for the AGNPS-ARC/INFO model, a ravine survey was conducted in the Upper Blue Creek and one of the tributaries. Technical problems were encountered in successfully running the AGNPS-ARC/INFO interface for the Lake Pittsfield watershed. With assistance from Penn State scientists, the ISWS project team managed to make successful runs of the ARC/INFO interface. However, they failed to generate acceptable input data for the AGNPS model. Substantial time and resources were invested in preparing the Lake Pittsfield watershed input data for the AGNPS-ARC/INFO interface and overcoming the technical problems encountered during running of the interface. Due to time constraints, progress was made only up to making successful runs of the AGNPS-ARC/INFO interface and preparing input data for the AGNPS model.

AGNPS-ARC/INFO was to be used to test the recommendations derived from the application of STEWARD. The ISWS project team moved forward with AGNPS-ARC/INFO while trying to obtain STEWARD. The AGNPS-ARC/INFO effort was ultimately stopped once it was determined that STEWARD was not accessible to the ISWS team at any time (Borah, 1998).

In this report, brief descriptions of the Lake Pittsfield watershed, ravine survey, AGNPS-ARC/INFO model, and the Lake Pittsfield watershed data preparation for input into the AGNPS-ARC/TNFO model are made and presented. The transect surveys of streams conducted during this investigation, including transect locations, descriptions of the transect stations, and plots of the stream cross sections and bed profiles, are presented in Appendix A. A set of the AGNPS-ARC/INFO model results as input for the AGNPS model for the entire Lake Pittsfield watershed, including definitions of the parameter variables, are presented in Appendix B.

Acknowledgments

This report was prepared using U.S. Environmental Protection Agency funds under Section 319 of the Clean Water Act administered through the Illinois Environmental Protection Agency. Illinois State Water Survey (ISWS) resources also were used in preparation of this report. Robert Sinclair and Abi Akanbi, former scientific staff of the ISWS, were the project investigators. After both the investigators' departure from the ISWS through retirement and resignation, the authors prepared this report under the direction of Nani Bhowmik, Head of the Watershed Science Section, ISWS, and Chief Derek Winstanley, ISWS. Agnes Dillon and Eva Kingston edited the report, and Maitreyee Bera assisted in preparation of the report.

LAKE PITTSFIELD WATERSHED

The Lake Pittsfield watershed, located in Pike County, Illinois, covers 11 square miles (7000 acres) of mostly agricultural land use. Figure 1 shows the Lake Pittsfield watershed, Lake Pittsfield, and the contributing streams, which are the Blue Creek and its tributaries. The watershed lies on the boundary of two physiographic provinces: the Galesburg Plains of the Lowland Province and the Lincoln Hills Sections of the Ozark Plateaus Province. The western portion of the watershed follows the preglacial topography, which was modified by alluvial deposition in the valleys and loess deposition on the hills during the glacial period. The eastern portion of the watershed was severely modified by glaciers so that the relatively level till plains are in a late youthful erosion state.

Lake Pittsfield is an impoundment on the Blue Creek, constructed in 1961 as a multiple-purpose reservoir under the authority of P.L. 83-566 (Small Watershed Protection Act). With a surface area of 220 acres and a storage capacity of 2,800 acre-feet, Lake Pittsfield is used for recreation, water supply for approximately 4400 residents of the City of Pittsfield, and a flood control structure (Lee et al., 1983).

Figure 2 is a topographic map of the watershed showing its relief through the contour lines. Elevations range from a maximum of 802 feet above mean sea level (ft-msl) at the upstream (upper left corner) end of the watershed to a lake elevation of 596 ft-msl, a total relief of approximately 206 feet. The western areas of the watershed have steeper topography with contour lines closer to each other than the eastern portion of the watershed.

According to the U.S. Department of Agriculture (USDA) Soil Conservation Services (SCS) soil survey, soils in the Lake Pittsfield watershed may be categorized into four general soil groups (Lee et al., 1983):

- Upland Timber Soils. Light colored, silt loam soils with moderately slow permeability, occurring on slopes ranging from 1 to 15 percent. These soils were developed in 5 feet or more of loess over weathered Illinoian till. A typical soil type within this group is Fayette.

- Upland Prairie Soils. Dark colored silt loam soils with moderate permeability, occurring on nearly level to gently sloping land. These soils were developed under prairie vegetation in 8 feet or more of loess over weathered Illinoian till. Typical Illinois soil types are Muscatine and Tama.

- Steeply Sloping Timber Soils. This is a heterogeneous group of soils developed on exposures of weathered glacial till, limestone outcrops, or thin loess. A typical type within this group is Hickory,

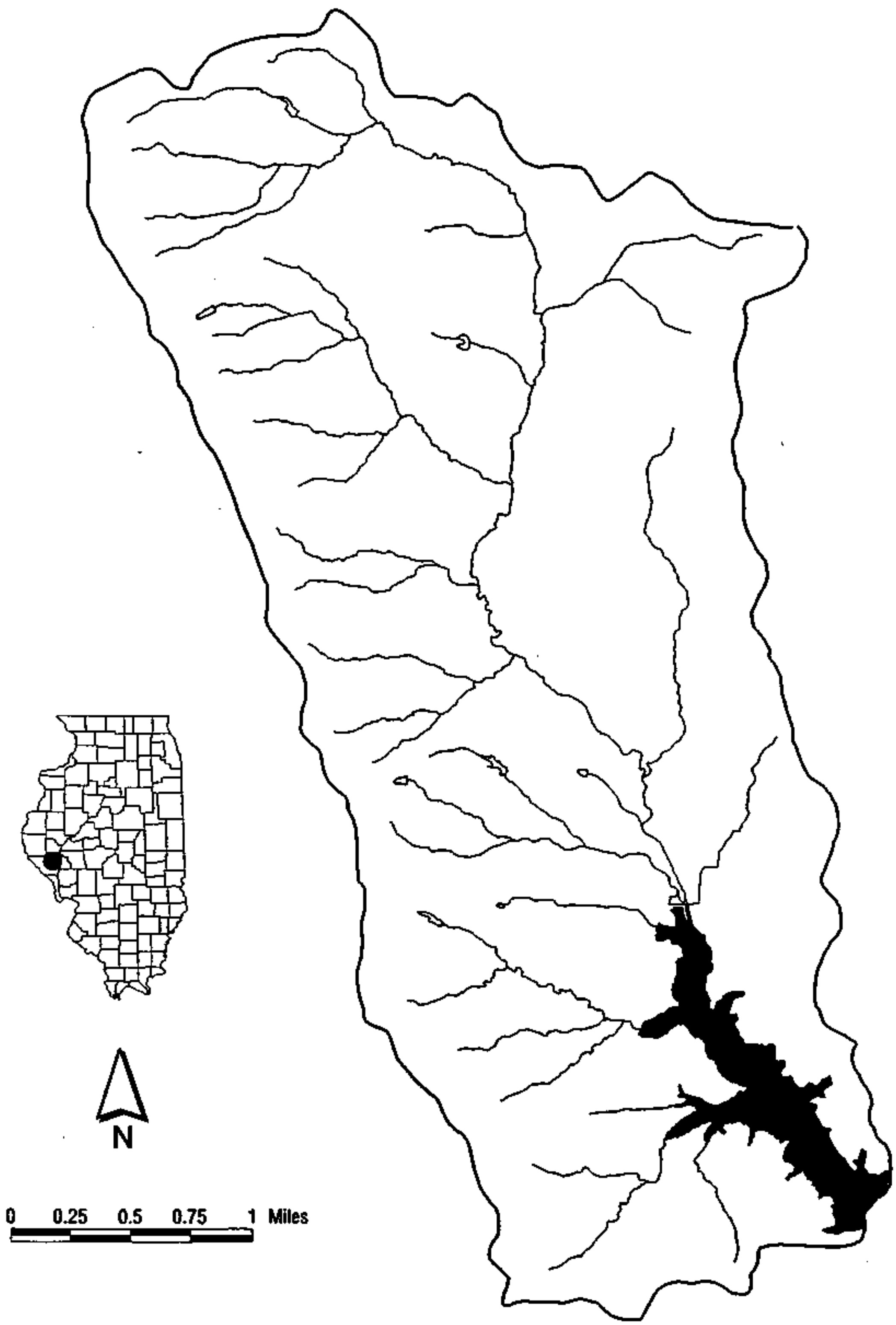

Figure 1. Lake Pittsfield, its watershed, and contributing streams.

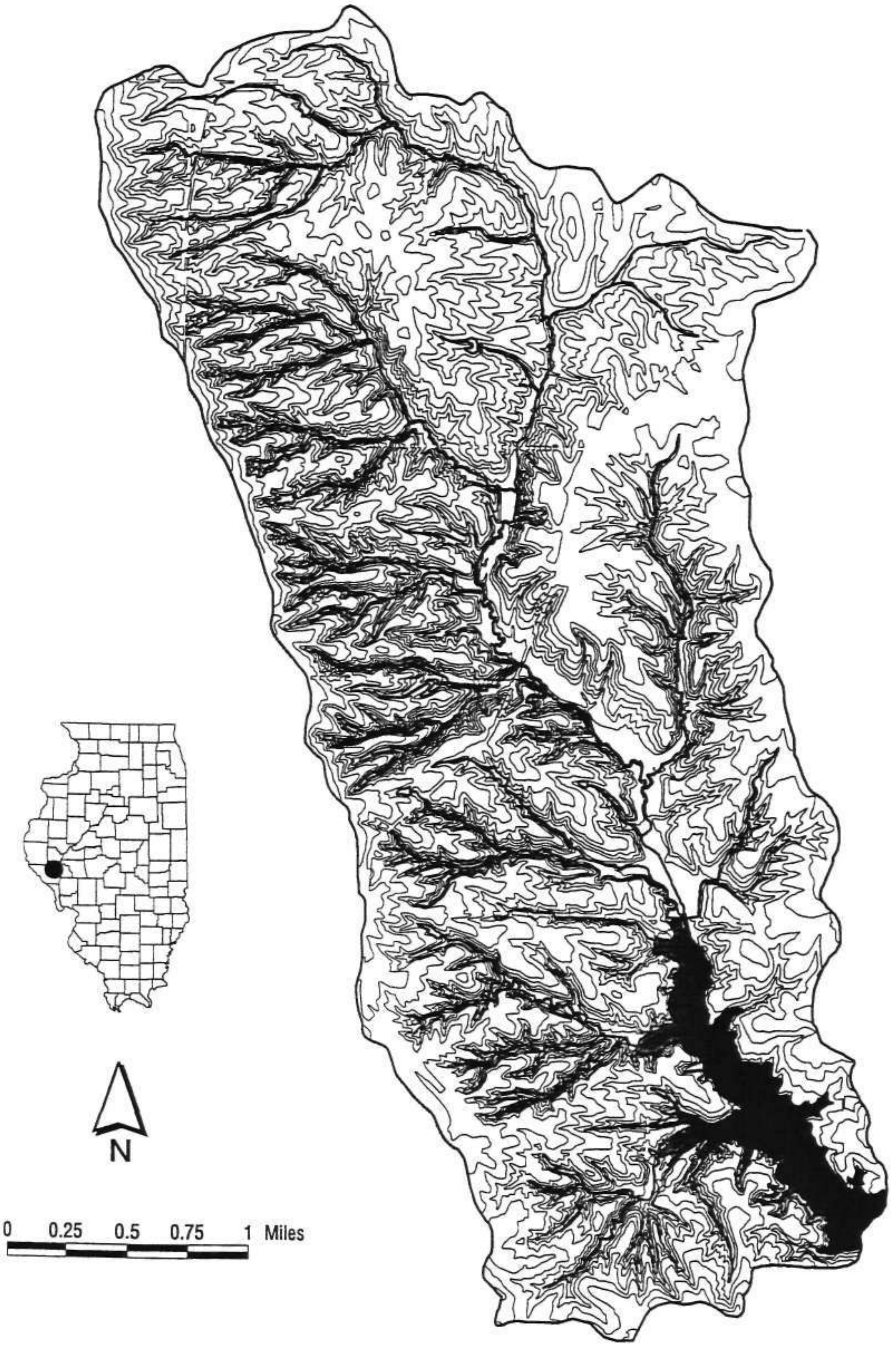

Figure 2. Topographic map of Lake Pittsfield watershed.

- Bottomland Soils. Dark to moderately dark colored silt loam soils with moderate permeability, occurring on nearly level valley floors. Typical soil types are Orin and Lawson.

Figure 3 shows the hydrologic soil group classifications of the soils. Soils in the watershed belong to mostly hydrologic soil groups B and C. Soil group "None" indicates water. Soil group B has moderately low runoff potential with infiltration rate 4-8 millimeters per hour (mm/h). Soil group C has moderately high runoff potential with infiltration rate 1-4 mm/h (USDA-SCS, 1972). Figure 3 also shows USDA-SCS soil series boundaries at the background. Twenty different soil series are present in the watershed.

The Pike County Soil and Water Conservation District (SWCD) constructed a 247-acre-feet sedimentation retention basin (SRB) with 90 percent trap efficiency at the upper end of Lake Pittsfield. This SRB, completed in August 1996, drains 83 percent (5800 acres) of the watershed and discharges directly into Lake Pittsfield. In addition, 29 water and sediment control basins (WASCOBs) were constructed throughout the watershed to control flood and sedimentation (see Figure 3, under the category "None," in addition to the large and obvious Lake Pittsfield). Construction of these basins was completed in October 1995. Detailed information on the SRB and the WASCOBs and their locations may be found in Roseboom et al. (1998).

Figure 4 is a land-use map of the watershed. The western portion of the watershed has less croplands, more pasture, and woodlands. The eastern portion has more crop acreage and less woodlands and pastures. Table 1 shows percentage areas of crop and other land-use types in the watershed over a 5-year period. Drainage areas of the WAS COB and farm ponds are 34 and 12 percent of the total watershed, respectively.

Table 1. Percentage Areas of Crops/Land Uses in Pittsfield Watershed

Crop/Land use	*1992*	*1993*	*1994*	*1995*	*1996*
Beans	17.20	13.60	14.44	20.21	16.46
Cora	22.06	17.08	24.39	21.25	23.51
Grass	9.99	8.74	9.33	9.43	8.94
Hay	2.02	2.15	2.81	2.87	2.51
Oats	0.00	0.00	0.09	0.41	0.12
Wheat	4.64	6.81	5.33	2.23	4.85
Retention basin	1.20	1.20	1.20	1.20	1.20
Farm ponds	0.57	0.57	0.57	0.57	0.57
Lake	3.19	3.19	3.19	3.19	3.19
Noncrop	38.64	38.64	38.64	38.64	38.64
Unknown crop	0.47	8.01	0.00	0.00	0.00

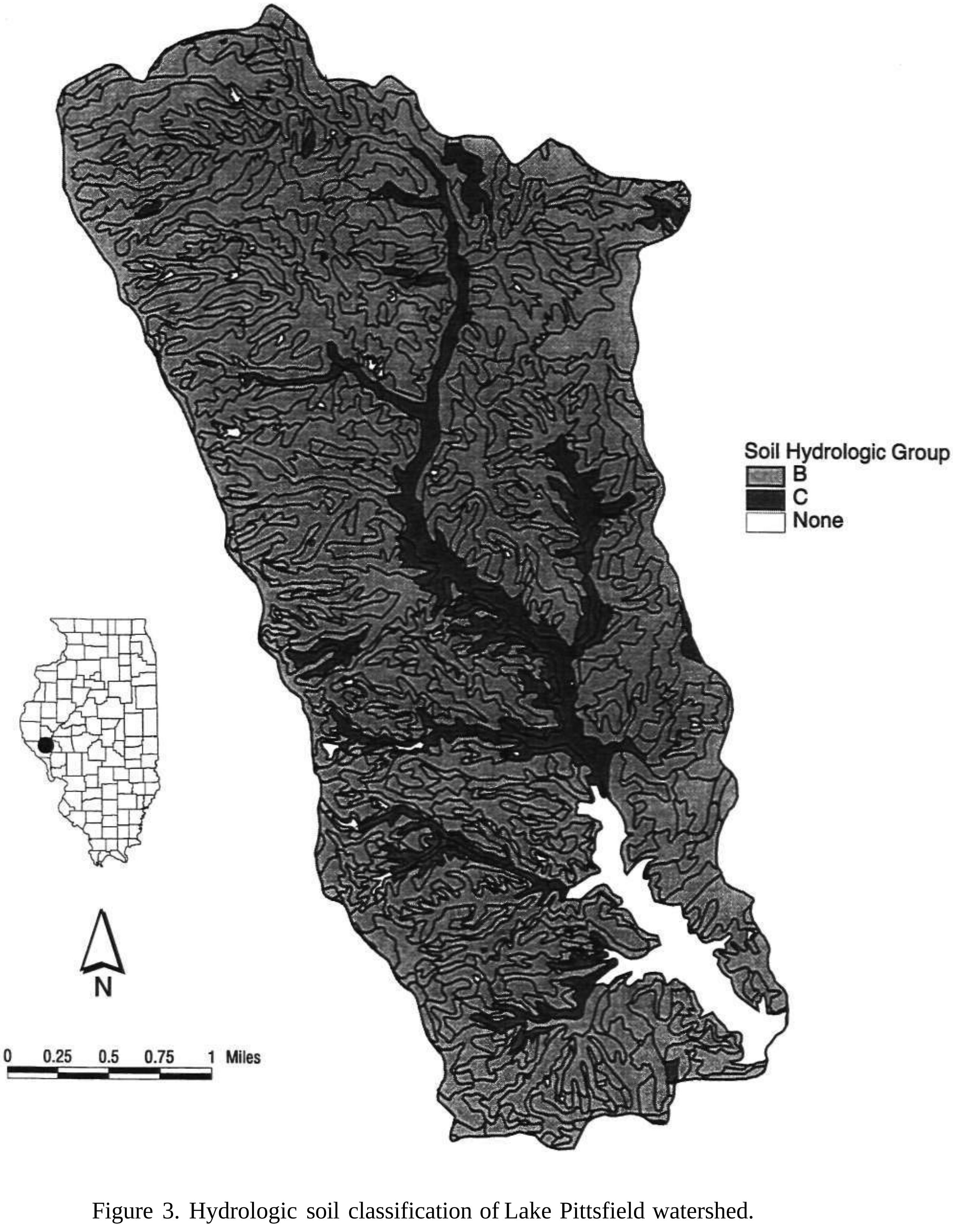

Figure 3. Hydrologic soil classification of Lake Pittsfield watershed.

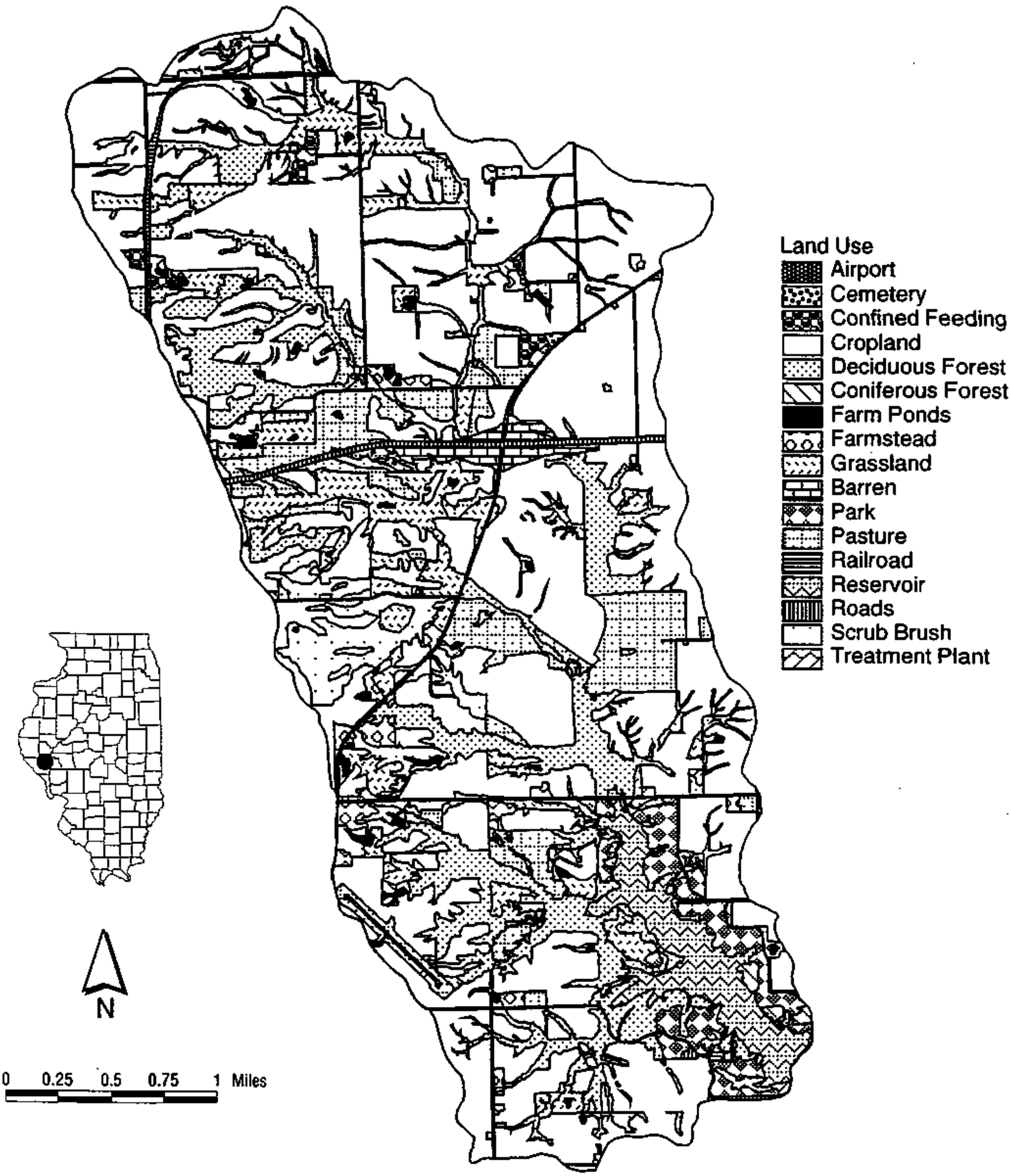

Figure 4. Land-use map of Lake Pittsfield watershed.

The climate over the Lake Pittsfield watershed possesses a continental character with cold winters, warm summers, and frequent fluctuations in temperature and precipitation. The 99-year, long-term average annual precipitation in the area is 37.35 inches. The average annual snowfall is 22.5 inches. Precipitation is fairly evenly distributed, with the greatest amount occurring in May, June, and September; the smallest amounts occur in January, February, and December.

RAVINE SURVEY

In order to understand the soil erosion and sedimentation problems in the Lake Pittsfield watershed and to better prepare the input data for the AGNPS-ARC/INFO model, a ravine survey was conducted in the upper Blue Creek and one of the tributaries. The survey was conducted during July-September 1997, at the same location a similar survey was conducted during 1979-1980 (Lee et al., 1983).

Considerable effort was expended to locate the fence posts from the 1979-1980 survey. Of 48 original fence posts, 33 were found in the Blue Creek upstream of its junction with Tributary E and along Tributary E. The location of the missing fence posts was reestablished with rods and caps at or near the presumed original locations. Location of these transects in the Lake Pittsfield watershed are shown in Figure 5; their descriptions, stream-cross sectional plots of these transects, and stream bed profiles are presented in Appendix A.

Forty transects were surveyed on Blue Creek and 11 on Tributary E. Transects 11 and 12 on Blue Creek were not found; they may have been removed during Interstate 72 construction. Also transect 24 was missing due to the construction of a retention basin nearby. New stations were established at the sections where the original fence posts were missing.

Transect cross sections are plotted (Appendix A) for three different surveys during three different years: 1979,1980, and 1997. These cross-sectional plots are useful in understanding the streambed and streambank erosion and the stream evolution during these periods. The plots of the stream profiles also are useful in understanding these processes. The cross-sectional and bed profile plots could be used to compute streambed/streambank erosion and sediment deposition during these periods.

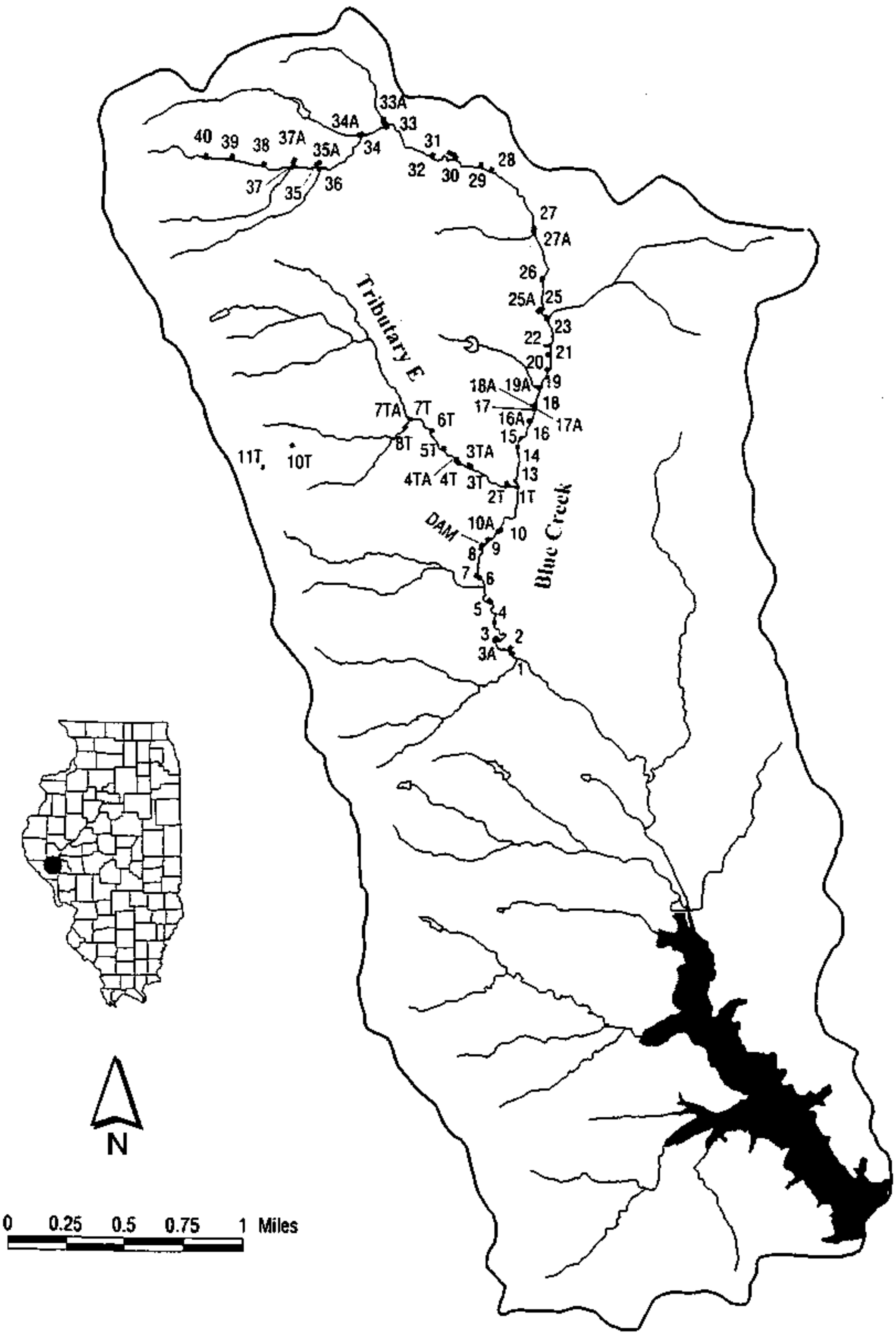

Figure 5. Lake Pittsfield watershed showing locations of transect surveys (T indicates tributary station and A additional transect. See Appendix A for more details.)

AGNPS-ARC/INFO MODEL

The AGNPS model for agricultural watersheds was developed by Young et al. (1987, 1989), and distributed by the North Central Soil Conservation Research Laboratory of the USDA-ARS, Morris, MN. The AGNPS model simulates runoff, sediment, and nutrient transport of nitrogen (N) and phosphorous (P) from agricultural watersheds, as well as chemical oxygen demand (COD). Basic model components include hydrology, soil erosion erosion, and transport of sediment and chemicals.

The watershed is divided into uniformly square areas (cells). Water, sediment, and pollutants are routed through the cells beginning at the uppermost cell and ending at the watershed outlet. The model expresses all watershed characteristics and inputs at the cell level.

The model computes runoff volume using the SCS runoff curve number method (USDA-SCS, 1972). The method requires rainfall depth and a value for the curve number that depends upon land use, soil type, and hydrologic soil condition. Peak runoff rate for each cell is computed using an empirical relationship proposed by Smith and Williams (1980), which is based on drainage area, channel slope, runoff volume, watershed length-width ratio, and empirical coefficients determined from field measurements.

Computation of soil erosion due to rainfall is based on a modified form of the Universal Soil Loss Equation (USLE) of Wischmeier and Smith (1978). The USLE is based on the product of the storm total kinetic energy and maximum 30-minute intensity, and factors representing soil erodibility, topography, cover and management, supporting practice, and adjustment for slope shape within the cell. Procedures to estimate these factors are described by Wischmeier and Smith (1978). Eroded soil and sediment yields are subdivided into five particle size classes: clay, silt, small aggregates, large aggregates, and sand.

Detached sediment is routed from cell to cell through the watershed to the outlet. The procedure involves sediment transport and depositional relations based on steady-state sediment continuity equation, effective sediment transport capacity, particle fall velocity, and Manning equation, as described by Foster et al. (1981), Lane (1982), and Young et al. (1986).

The chemical transport part of the model estimates transport of N, P, and COD throughout the watershed using procedures adapted from Frere et al. (1980) and Young et al. (1982). Chemical transport computations are divided into soluble and sediment-adsorbed phases. Nutrient yield in the sediment adsorbed phase is empirically calculated using total sediment yield from a cell, nutrient (N or P) content of the soil, and an enrichment ratio, as described by Young et al. (1987).

Soluble nutrient estimates consider the effects of nutrient levels in rainfall, fertilization, and leaching. Soluble N or P contained in runoff is computed simply by multiplying an extraction coefficient of N and P and the mean concentration of soluble N or P at the soil surface during runoff with total runoff.

The COD is assumed soluble. Its calculation is based on runoff volume in the cell and average concentration in that volume as background concentration obtained from the literature. The COD is assumed to accumulate without any loss.

The model accounts for nutrient and COD contributions from point sources, such as feedlots, springs, and wastewater treatment plants. Estimated sediment contributions from streambank, streambed, and gully erosion are accounted for as point sources.

Sediment and runoff routing through impoundments is done using procedures described by Laflen et al. (1978). Impondments reduce peak discharges, sediment yield, and yield of sediment-attached chemicals.

Input data and parameters required by the AGNPS model are as follows:

1. SCS curve number
2. land slope
3. overland Manning's coefficient
4. surface condition constant
5. USLE slope shape indicator
6. USLE topographic (slope length) factor
7. USLE soil erodibility (K) factor
8. USLE cropping (C) factor
9. USLE conservation practice (P) factor
10. soil texture indicator
    a) soil nitrogen
    b) soil phosphorus
    c) pore water N concentration
    d) pore water P concentration
    e) N extraction coefficient for runoff
    f) P extraction coefficient for runoff
    g) N extraction coefficient for leaching
    h) P extraction coefficient for leaching
    i) percent organic matter in soil
11. fertilizer indicator
    a) N application rate
    b) P application rate
    c) N availability factor
    d) P availability factor
12. pesticide indicator (application rate)
13. point source indicator
14. additional erosion
15. impoundment indicator

16. channel indicator
    a) type
    b) slope
    c) side slope
    d) length
    e) Manning's coefficient
    f) nutrient decay rate
17. storm data
    a) precipitation depth
    b) nitrogen concentration in rainfall
    c) rainfall duration
    d) storm type
    e) peakflow calculation option

An ARC/INFO (a GIS software package) interface to the AGNPS model was developed at Iowa State University (Liao and Tim, 1997) to facilitate preparation of input data for the model and interpret output results from the model. The new modeling package, called AGNPS-ARC/INFO, couples the AGNPS model with ARC/INFO GIS software to provide an interactive hybrid modeling environment for evaluation of nonpoint source pollution in a watershed. The modeling environment is designed to generate AGNPS input parameters from user-specified GIS coverage, create AGNPS input data files, control AGNPS model simulations, and extract and organize AGNPS model output results for display.

The AGNPS-ARC/INFO model was later revised, and a user's guide for the model was developed at Perm State (Lehning et al., 1997, 1998). These investigators added menus to the original package and built some Avenue scripts that enabled AGNPS-ARC/INFO menus to run inside ArcView (GIS software packet). The original manual was modified extensively and made available as a help browser in ArcView.

With assistance from the scientists at Perm State, the ISWS proposed to apply the AGNPS-ARC/INFO model to the 11 -square-mile Lake Pittsfield watershed in Illinois.

APPLYING AGNPS-ARC/INFO MODEL TO LAKE PITTSFIELD WATERSHED

Extensive effort was devoted to preparing Lake Pittsfield watershed input data for the AGNPS-ARC/INFO model and making attempts to run the model; but numerous technical problems were encountered. These efforts in preparing input data and making attempts to run the model are discussed in detail in ISWS progress reports and file information (GIS Technology Group, 1996; Akanbi and Sinclair, 1997a,b; Akanbi, 1997; Lively et al., 1997; Geographic Information Technology Group, 1997; ISWS, 1997, 1998). As a result of these efforts, input data for the AGNPS-ARC/INFO interface were prepared, the interface was successfully run, and input data for the AGNPS model were generated. However, the input data generated for the AGNPS model were not acceptable; and, therefore, the model failed to run.

In this section, the above efforts are briefly described. Results from the AGNPS-ARC/INFO interface run as input to the AGNPS model are presented in Appendix B. The first two pages of the appendix are devoted to definitions of the input variables listed in columns of the input data table. The input data table consists of 37 pages. The first half of the table (pages 73-91) lists 14 parameters for all the 716 cells representing the Lake Pittsfield watershed. The second half (pages 92-110) covers the remaining 10 parameters for the 716 cells.

The Lake Pittsfield watershed was divided into 716 square cells (grids) each 200 meters by 200 meters approximately 10 acres in size (Figures 6-8). Figure 6 shows the cells with the watershed boundary, streams, Lake Pittsfield, and the WASCOBs. Figure 7 shows the cell numbers within the watershed, and Figure 8 shows the resultant flow directions of the cells.

The GIS coverage of boundary, land use, soils, streams, and contours for the entire Lake Pittsfield watershed were developed. Land-use coverages include fertilizer application level and pesticide type and application rates for each cropland polygon, surface condition constant (SCC), COD, conservation tillage factor (C), practice factor (P), and overland roughness coefficient. The SCC, COD, and roughness coefficients were obtained from the AGNPS 5.0 manual. Information on fertilizer level was difficult to obtain; therefore, a median application rate was assumed. Estimates for the C-factor for the cropland areas were obtained from the National Resource Conservation Services (NRCS) office in Champaign, IL. Values for P-factor were obtained from a field survey.

The above coverage was converted from vector to raster format using the grid map (Figures 6-8) created from the boundary coverage. Flow directions (Figure 8) were assigned by splitting the arcs for the streams into line segments. A TIN coverage was created from the contour coverage, from which overland slopes and flow directions were calculated for each cell. The stream grid was created from the stream coverage to obtain stream slopes and directions for the cells. Curve numbers for the overland flow cells were estimated using land-use type (Figure 4), soil hydrologic group (Figure 3), and soil moisture condition attributes in the soils, and land-use coverage. Figures 9-11 show the k-factor, overland slope, and C-factor, respectively, estimated from the above coverage.

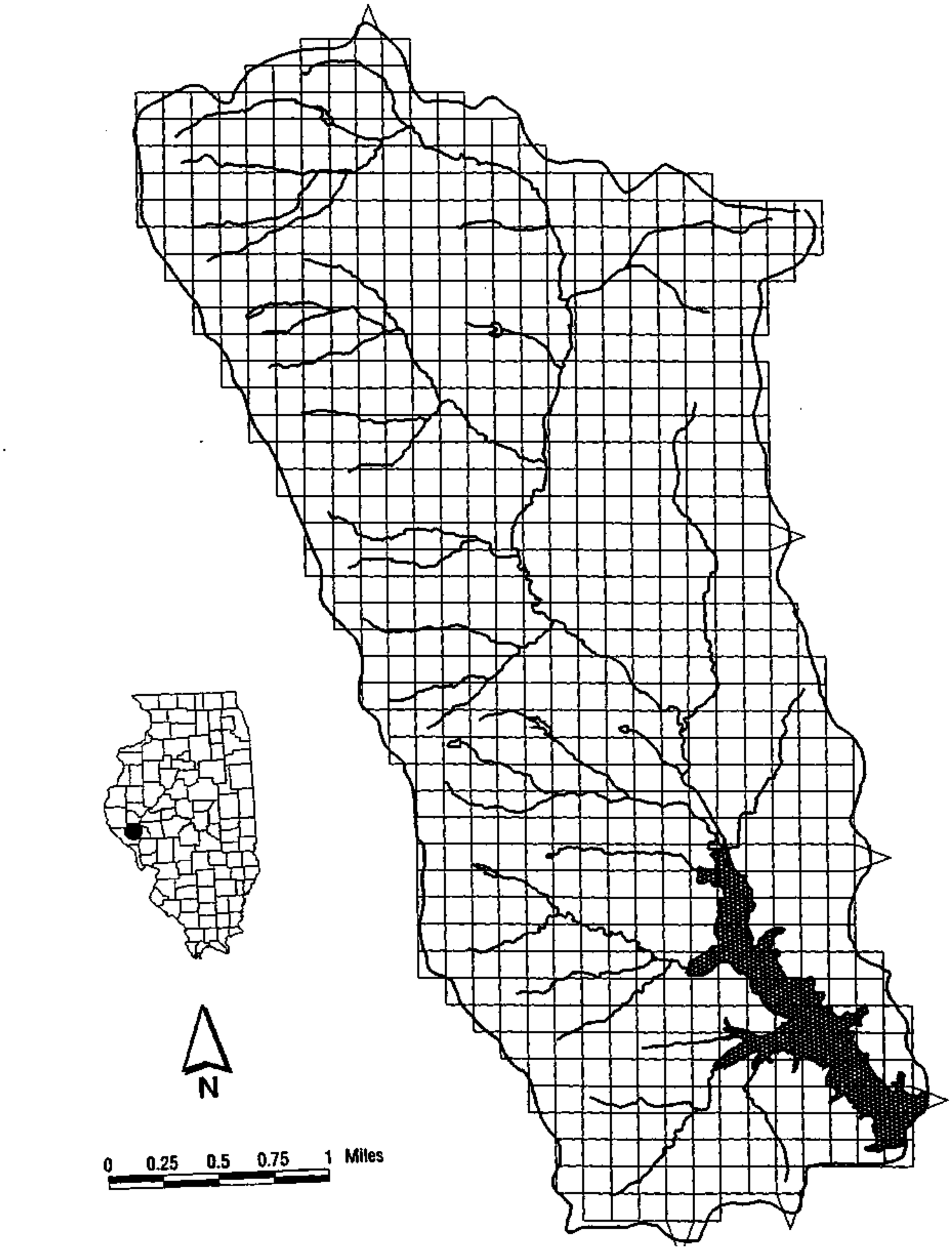

Figure 6. Lake Pittsfield watershed divided into cells for modeling using AGNPS model.

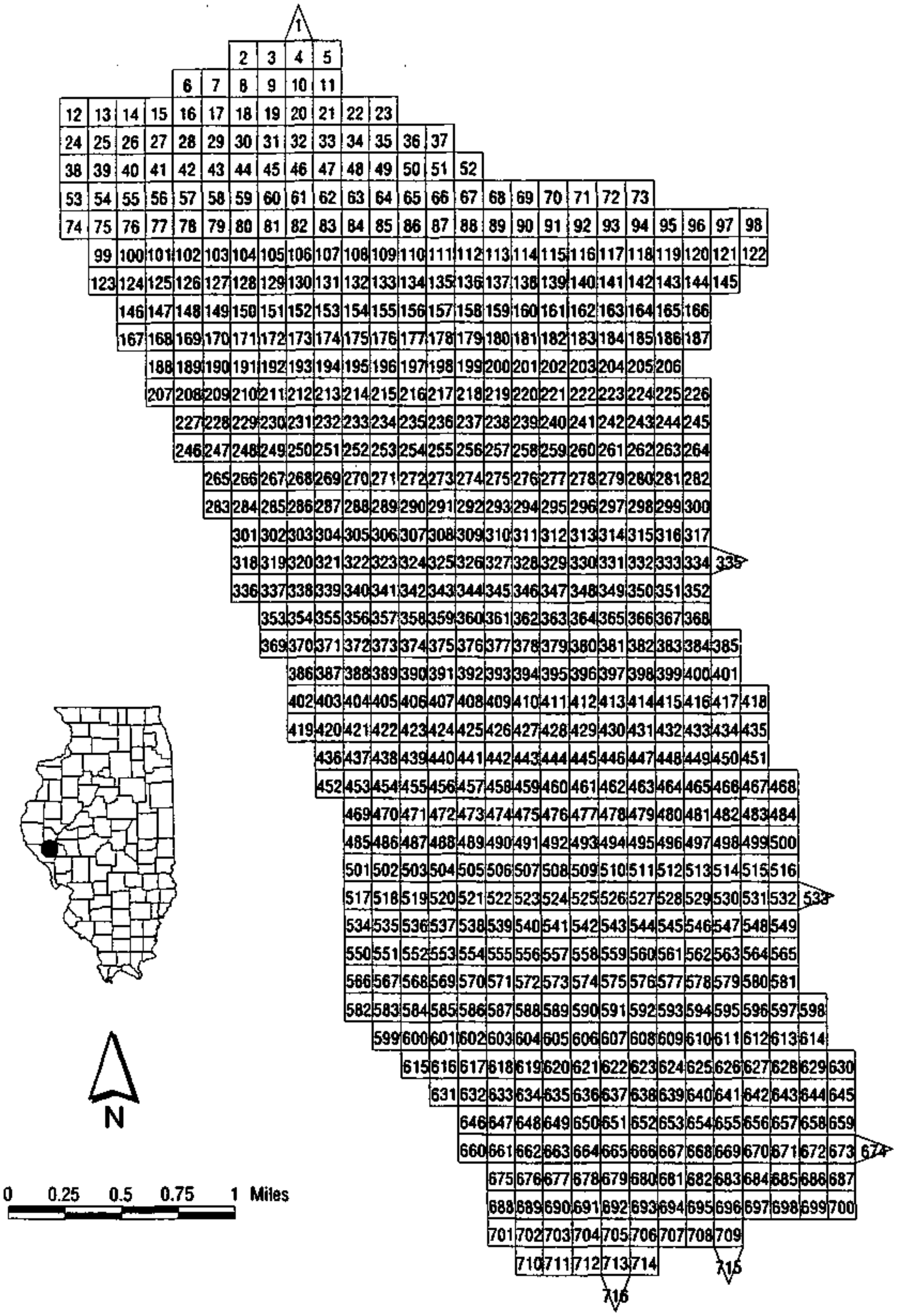

Figure 7. Lake Pittsfield watershed showing numbers corresponding to AGNPS model cells.

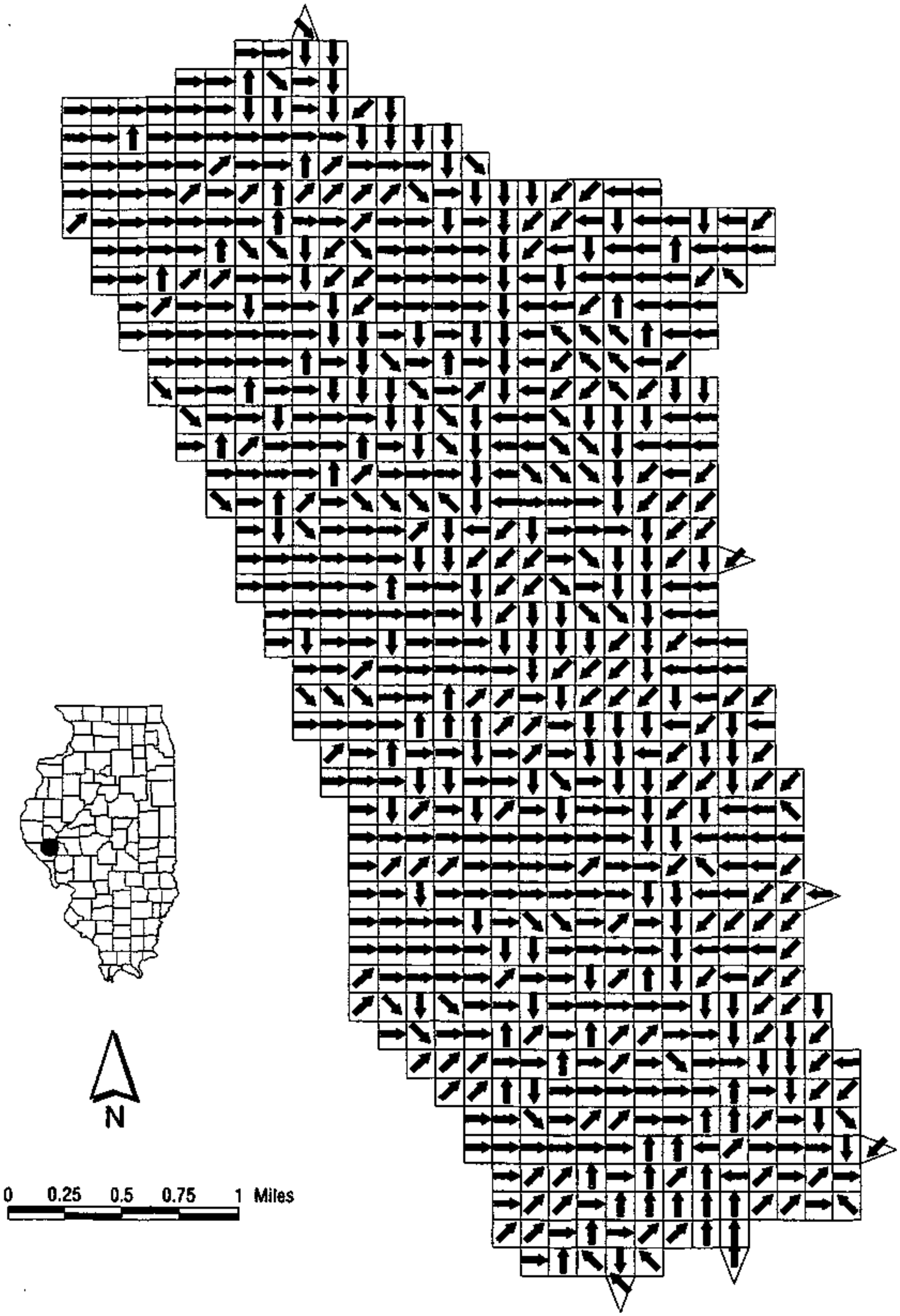

Figure 8. Lake Pittsfield watershed showing flow directions in AGNPS model cells.

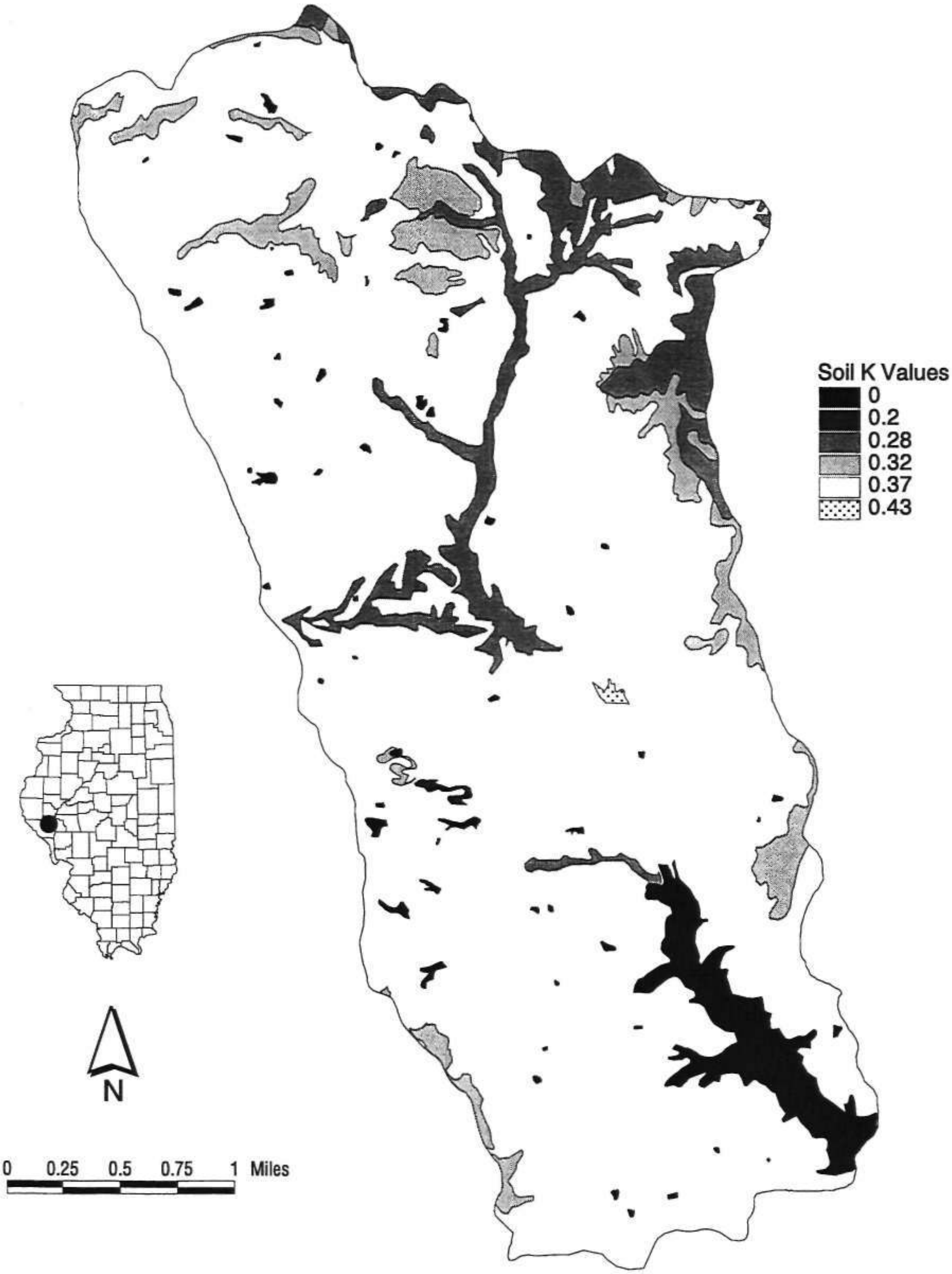

Figure 9. Lake Pittsfield watershed showing soil erodibility (k) values (tons/acre) for AGNPS model.

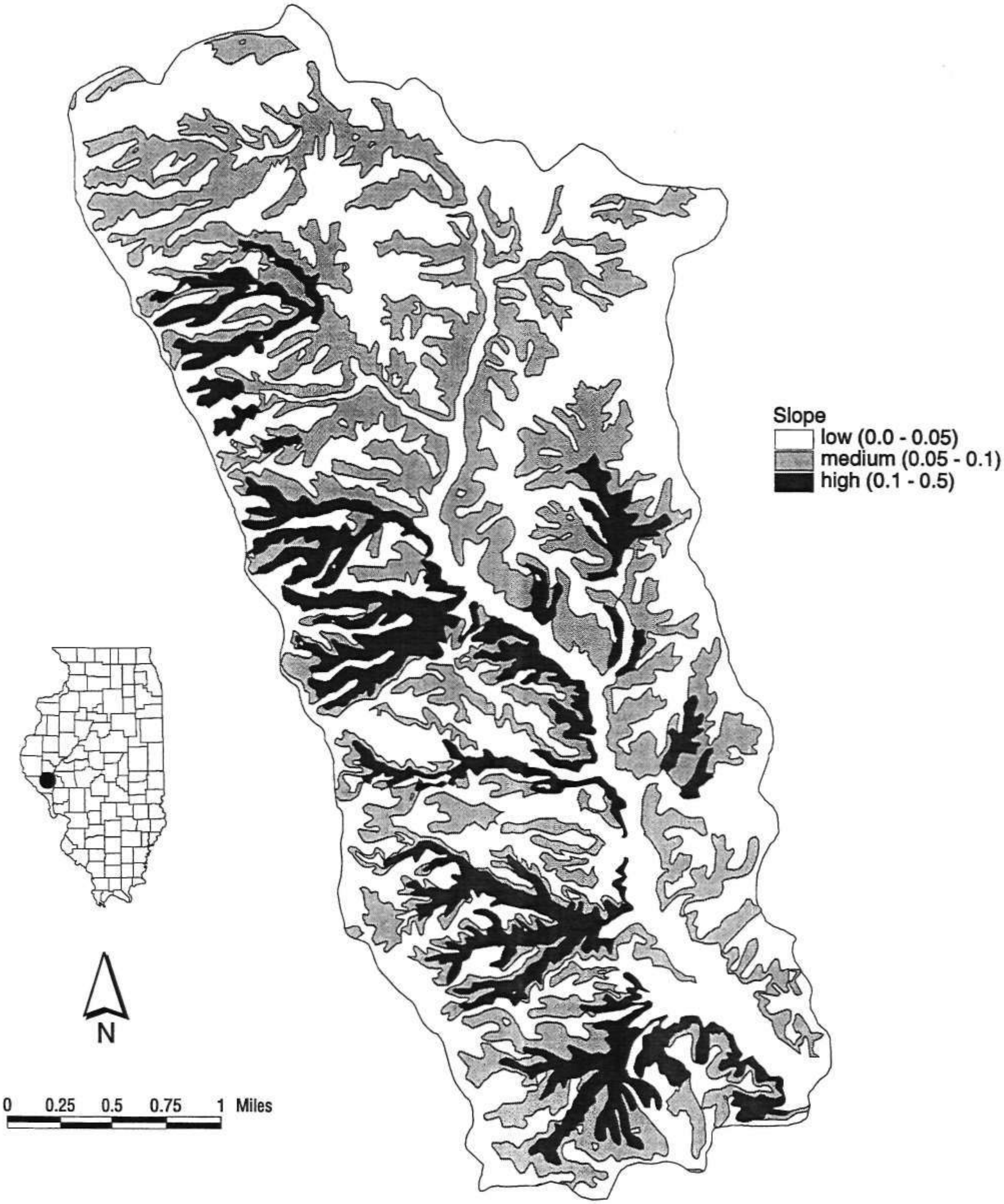

Figure 10. Lake Pittsfield watershed showing surface slope values for AGNPS model.

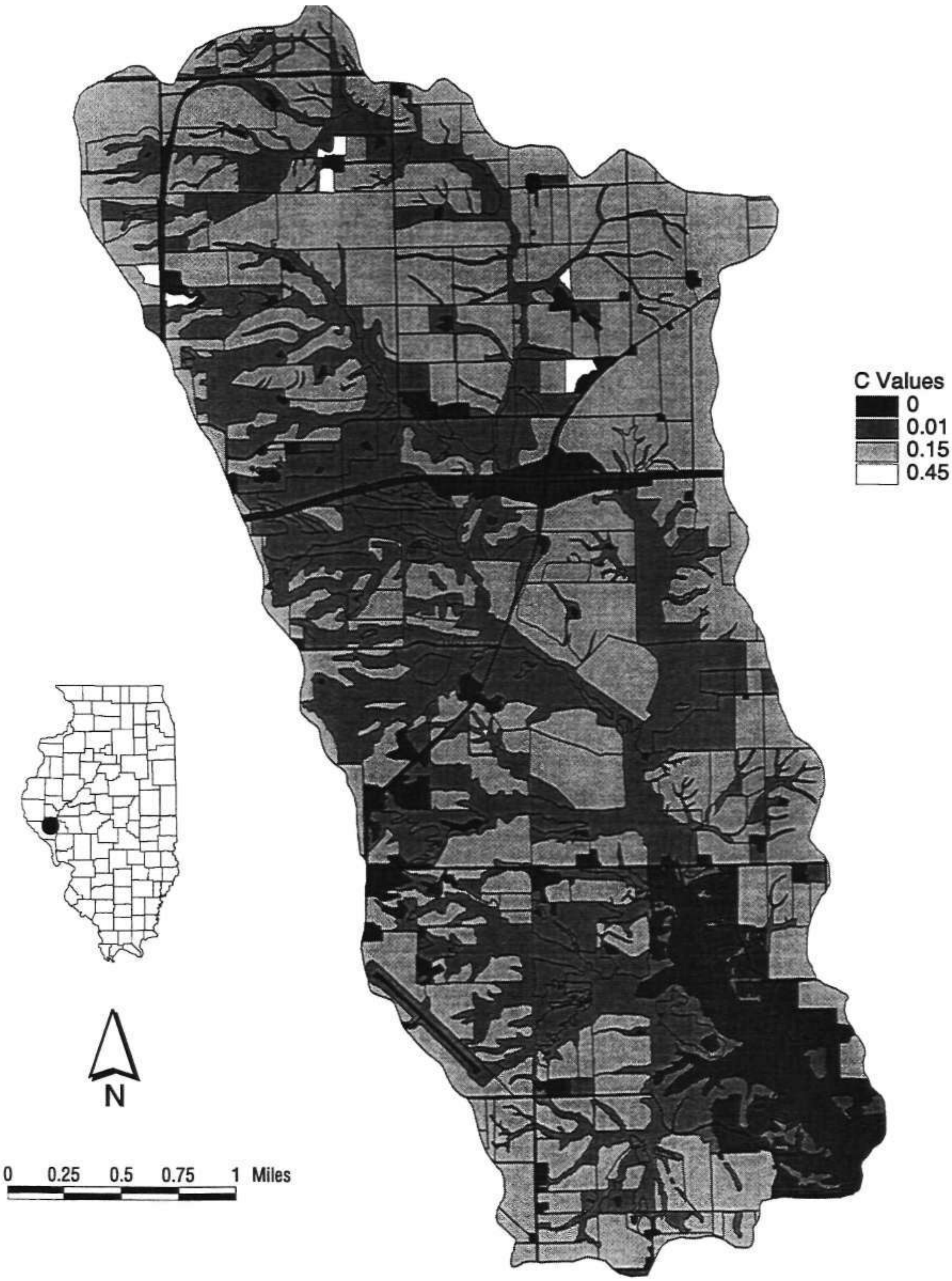

Figure 11. Lake Pittsfield watershed showing cover (C) values for AGNPS model.

An improved version of the original AGNPS-ARC/INFO model was received from Mike Foster from Penn State and installed in ISWS computers. Additional Arc Macro Language (AML) and Avenue scripts were written so that the ARC/INFO interface could be implemented in Arc View 2.1. The model failed to run properly with the input data prepared. Numerous attempts were made to successfully run the model. Mike Foster visited ISWS May 12-13, 1997, and devoted substantial time in debugging the AGNPS-ARC/INFO model. The first series of model runs failed to start properly in Arc View. The Arc View script was eventually abandoned, and the GIS interface was started from an ARC/INFO prompt. Several bugs were encountered in the data generation module sections of streams grid, curve number coverage, cell number grid/fishnet coverage, and receiving cell number menus. Some of the bugs in the AML files were fixed, but the major ones were deferred until Mike Foster returned to Penn State.

Numerous attempts were made successively to fix the problems and make the model run. Dave Lehning from Penn State visited ISWS February 16-17, 1998, to help fix the bugs and problems in the Avenue-scripts of the newly revised ArcView-AGNPS model. Several errors were encountered in the selection of the Manning's roughness coefficient, soil texture, and channel indicators. The input file generated from the ArcView-AGNPS model could not run on the micro computer version of AGNPS. Also, the flow-checking routine could not detect circularity, collision, and multiple outlet conditions, all of which could lead to serious errors in the simulations.

More attempts were made to run ArcView-AGNPS models, and generate acceptable input file for AGNPS model without success. As indicated earlier, Appendix B presents an input data file for the AGNPS model generated by ArcView-AGNPS.

DISCUSSION

This report summarizes an extensive modeling effort by two research teams to model the 11-square-mile Lake Pittsfield watershed in Illinois using the AGNPS-ARC/INFO model. The Penn State team was to provide a working version of the AGNPS-ARC/INFO model, and the ISWS team was to prepare the Lake Pittsfield watershed input data for the model using GIS coverage.

The modeling approach has two major steps. The first step is to run the AGNPS-ARC/INFO interface using the input data prepared from GIS coverage. The second step is to input the results from the AGNPS-ARC/INFO interface into the AGNPS model and then run the model. To date, only the first step has been partially successful. Success for the second step depends on performance of the first step. The first step must produce acceptable input data for the second step for the second step to be successful. The first step was partially successful; however, partial success in preparing acceptable input data for the second step resulted in failure of the second step.

Considerable effort and resources were invested by both research teams in developing and applying this state-of-the-art modeling concept using GIS technology. The materials in this report are useful in understanding the model and the input data required by the model. Additional information on this extensive modeling study is available in the ISWS file reports listed in the references. These materials would be invaluable in continuing this modeling work.

This report also presents an extensive ravine survey conducted during the study. The transect cross sections plotted in Appendix A for three different times (1979, 1980, and 1997) and the streambed profiles are extremely useful in understanding stream evolution processes: streambed and streambank erosion and sediment deposition. These plots could be used to compute streambed/streambank erosion and sediment deposition rates and sediment budget.

More resources and efforts are required to complete the model and use it to calculate the benefits of nonpoint source pollution control in the Lake Pittsfield watershed.

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APPENDIX A

Lake Pittsfield Watershed Ravine Survey: Transect Locations, Descriptions, Stream Cross Sections, and Bed Profiles

Descriptions of fence post stations along Blue Creek and Tributary E

Station	Description
01	Reestablished station is located approximately 150 feet west of bridge. The pin is located on top of small hill 116 feet south from berm. There is a box elder tree located east 6-7 feet and two more to the southeast 6-10 feet. Looking south across the main channel is a steep bank. Transect 1 was shot with a horizontal angle of 227° 47'39".
02	Reestablished station is located on the berm approximately 100 feet north of large drainage tube and approximately 70 feet from temporary point on the berm for transect 1. Transect 2 was shot with a horizontal angle of 228° 45' 37".
03	Reestablished station is located west northwest approximately 147 feet from top of berm on the southwest side of the field. Point is located 3 feet west of a small wild cherry tree. There is a bend in the stream channel approximately 6 feet to the northeast and a high-flow channel or gully 6 feet in the southwest direction. Transect 3 was shot with a horizontal angle of 311° 23' 08" and transect 3A 260° 05' 45".
04	Original station located on the right bank of the main channel. The point is located in northeast side of the field edge. There is a small hackberry sapling located about 4 feet and a box elder 10 feet southeast of point. Transect 4 was shot 4 feet upstream from the post. It is thought that the post sloughed down from original position. The transect was shot at a horizontal angle of 77° 42' 20" from point 4.
05	Original station located on the right bank of main channel approximately 440 feet north of point of 4. The point is located 3 1/2 feet southwest of post. There is a honey locust tree to the north of the point approximately 8-9 feet and another approximately 6-7 feet south. The point is located in the northeast portion of a field. Transect 5 was shot with a horizontal angle of 48° 59' 30".
06	Original station located on the left bank of the main channel in pasture. Transect 6 and 7 were shot with the same point that was established 10/28/97. The posts for 6 and 7 are original. There is a group of catalpa trees to the north of point about 50 feet. There are 2 cottonwood trees to the south near stream bank approximately 35 feet and several osage-orange trees to the west approximately 30 feet. Transect 6 was shot at a horizontal angle of 138° 12' 21".
07	Original station located on the left bank of the main channel in pasture. Transect 6 and 7 were shot with the same point that was established 10/28/97. The posts for 6 and 7 are original. There is a group of catalpa trees to the north of point

about 50 feet. There are 2 cottonwood trees to the south near stream bank approximately 35 feet and several osage-orange trees to the west approximately 30 feet. Transect 7 was shot at a horizontal angle of 270° 09' 46".

08 Established station at base of dam on the right bank of main channel. Transect 08 is marked by an orange fence post at the base of dam. Transect 08 was shot at a horizontal angle of 104° 02' 17".

09 Original station located on the left bank of the main channel approximately 60 feet east of bank. One large slippery elm is located right north of the post, two are located southwest of pin 5-6 feet, and another 4-5 feet east. A large silver maple is located northwest about 10 feet from pin. A fence line is approximately 60 feet east of pin. Transect 9 was shot with a horizontal angle of 306° 25' 52".

10 Original station located on the right bank of the main channel approximately 100-150 feet south of concrete tunnels (highway). Pin is located approximately 5 feet northeast of a fallen box elder tree. There is a group of 3 box elder trees approximately 12 feet northeast of pin. There is also an osage-orange tree located northwest of pin approximately 20 feet. Transect 10A was shot with a horizontal angle of 224° 18' 24" and transect 10B with a 89° 14' 56" horizontal angle.

11 No longer present due to highway.

12 No longer present due to highway.

13 Reestablished station in the vicinity of the original fence post. A new pin was established on the right bank approximately 900 feet south of stream gauging station D. There is a bend in the stream at transect 13 and a honey locust tree is east of the station. Transect 13 was shot a horizontal angle of 75° 04' 52".

14 Station reestablished. A new pin was established on the right bank approximately 70 feet south of gauging station D. Station is two feet west of fence line and 12 to 15 feet from honey locust tree. Transect runs from east to west and was shot with a horizontal angle of 270° 06' 33".

15 Original fence post is located approximately 100 feet north of gauging station D. Fence post is approximately 4 feet from the right bank and has several slippery elms and a catalpa tree surrounding. Transect 15 was shot with a horizontal angle of 121° 44'04".

16 Station reestablished near the old fence post. An osage orange tree is located to the north and a gully to the south of the station. Transect 16 was shot with a horizontal angle of 117° 19' 37" and 16A with 230° 58' 11".

17 Station reestablished about 3 1/2 feet east of the left bank. An osage orange is located about 10 feet east of the station and a gully about 7 to 8 feet to the north. Transect 17 was shot across the main channel from east to west with a horizontal angle of 298° 55' 17" and transect 17A from south to north across the gully with a horizontal angle of 44° 22' 26".

18 Original fence post is located about 4 feet west of the right bank near the old fence line. A wild cherry tree is located about 5 feet away and a gully is approximately 20 feet south of the station. Transect 18 was shot with a horizontal angle of 106° 47' 36" and 18A with 223° 38' 49".

19 Original fence post is located between the left bank of a tributary and the right bank of the main channel. An osage orange tree is located directly north of the post and a black walnut tree is about 4 feet south/south-east. The tributary is about 17 feet south and the main channel about 20 feet east of the fence post. Transect 19 was shot with a horizontal angle of 128° 25' 42" and 19A with a horizontal angle of 234° 41' 40".

20 Original fence post is located approximately 100 feet north of an old fence line on the right bank. The old fence line runs north to south. Transect 20 was shot with a horizontal angle of 123° 19' 46".

21 Station reestablished at the edge of a mass wasting area north of transect 20. A transect was ran across the creek and several random points were taken starting at the toe near the stream bank and working in a zigzag pattern up to the edge of the mass wasting area. Transect 21 was shot with a horizontal angle of 87° 53' 25".

22 Original fence post is located on a tributary/gully west of the main channel and north of station 21. The fence post is near a slippery elm tree. Transect 22 was shot with a horizontal angle of 41° 47' 30".

23 Station reestablished near fjord. The original post that had been moved during construction of the fjord was recovered. A bulldozed dirt pile was in the transect path. Transect 23 was shot with a horizontal angle of 266° 48' 05".

24 Transect section no longer exist due to the construction of a dry retention basin.

25 Original fence post is located north-west of station 23 on the north side of the intersection of a tributary and the main channel. A pin was established 2 feet east of the original fence post. A catalpa tree is to the south of the pin, a wild cherry to the west, and an osage orange tree to the north. The tributary channel is located south-west approximately 35 to 40 feet from the pin. Transect 25 was shot with a horizontal angle of 124° 11' 40" and 25A with a horizontal angle of 226° 39' 51".

26 Original fence post is located on the right bank of the main channel and on the left bank of a tributary. A pin was established 2 to 2.5 feet south of the fence post. The main channel is 15 feet east and the tributary is approximately 40 feet south of the pin. A wild cherry tree is located east of the pin. Transect 26 runs east-west with a horizontal angle of 87° 21' 57" and 26A north-south with a horizontal angle of 221° 57'54".

27 Original fence post is 1800 feet south of station 29. A pin was established 7 feet east of the fence post. The pin is on the right bank of the main channel in the middle of a depression surrounded by willow trees. A tributary is located about 200 feet south of the post and a berm about 10 to 15 feet to the west. Transect 27 runs east-west with a horizontal angle of 63° 49' 34" and 27A north-south with a horizontal angle of 134° 34' 16".

28 Original fence post is located on the fence line which is on left bank of main channel. There is a lock shoot located 14 feet north of the station and the main channel bank is approximately 80 feet to the west. Transect 28 was shot with a horizontal angle of 224° 42' 25".

29 Original fence post is also located on the fence line 75 feet from the left bank. Transect 29 was shot with a horizontal angle of 221° 47' 29".

30 Original fence post is located on the same fence line as 29 15 feet from the left bank. There is a bulldozed dirt pile on the transect path. Station 30 is about 170 feet from station 31. Transect 30 was shot with a horizontal angle of 223° 56' 19".

31 Original fence post is along the fence line about 80 feet from the left bank. A sediment basin is approximately 100 feet from the station. Transect 31 was shot with a horizontal angle of 292° 21' 03".

32 Station was reestablished about 4 feet south of the right bank on the main channel. A catalpa tree is located on the stream bank north of the station, a black locust to the south, and a culvert approximately 150 feet to the west. Transect 32 was shot with a horizontal angle of 225° 39' 06".

33 Original post was located east of wild cherry tree on the right bank of the tributary. Transect 33 was shot in a southerly angle, but after comparing the transect to the map obtained from Ming's report we found it to run in the wrong direction. Transect 33B was shot at a horizontal angle of 132° 16' 39". Transect 33 A was shot with a horizontal angle of 43° 26' 54" (north easterly).

34 Original station is located on the left bank of tributary near several osage-orange trees. Pig lot is located west of point across tributary. Transect 34 was shot with

a horizontal angle of 119° 49' 10" and 34A with a horizontal angle of 234° 35' 02".

35 Original station is located on the left bank of the main channel (south) near a black locust tree. The tributary is located north of point and a field west of point about 30 feet. Transect 35 was shot at a horizontal angle of 226° 30' 07" across main channel and transect 35A 84° 37' 24" across tributary.

36 Reestablished station is located on the left bank of tributary approximately 124 feet south east from point 35. Transect 36 was shot with a horizontal angle of 116° 29'55".

37 Original station is located on the left bank of the main channel with several hackberry trees in the vicinity of the point. There is a very high ravine on the south bank. Transect 37 was shot with a horizontal angle of 134° 27' 21" and 37A with 116° 07' 25".

38 Reestablished station 38 west of station 37 and about 10 feet from field edge on left bank of main channel. A hickory tree is located west of point and a hackberry east/southeast. Transect 38 was shot with a horizontal angle of 222° 41' 08".

39 Original station located at edge of field on south side of fence row on left bank of main channel. There is very steep bank located on the south side. Transect 39 was shot with a horizontal angle of 221° 59' 39".

40 Original station 40 is located on left bank of main channel approximately 700 feet west of 39 near southwest corner of field. Transect 40 was shot with a horizontal angle of 221° 55' 39".

01T Station along tributary E was reestablished about 118 feet south of station 13 which is on the main channel. A pin was established south of an osage orange tree and on the left bank of the tributary and right bank of the main channel. Transect 01T was shot with a horizontal angle of 223° 50' 08".

02T Original fence post on Tributary E is located west of station 13. An osage orange tree is about 6 feet west on the pin and the pin is about 1 to 1.5 feet south of the fence post. Transect 02T was shot with a horizontal angle of 136° 34' 14".

03T Original fence post is about 25 feet from fence line which runs north-south on the left bank of the tributary. Located on the south side of pasture, nearly straight south of A02 (near house). There is a small gully east of the pin and south of the tributary channel. A elm tree is 5 feet west of the pin and the pin is approximately 6 feet north of the fence post. Transect 3 was shot previously but the horizontal angle may have not been shot correctly. Transect 03TA was shot with a horizontal angle of 245° 03' 13" and transect 03T with a horizontal angle of 223° 00' 15".

04T Reestablished station approximately 310 feet west of 03T. The original post may have eroded into creek. The point was established at what could be 15 feet from original post. Point is located south of old fence row and pig lot/pasture. Several downed hedge trees in the area along with some mulberry trees. One hedge tree is located southwest about 6 feet. Transect 04T was shot with a horizontal angle of 138° 04' 58" and 04TA with a horizontal angle of 284° 42' 05".

05T Station was reestablished in the hog lot on the left bank of the tributary. This station was later moved downstream farther from previous point. Pin is located along fence row. Transect 05T was shot with a horizontal angle of 138° 12' 43".

06T Original fence post was found on the left bank north of the gravel road and inside the hog lot. The left bank (south) of the stream is highly eroded and the right bank (north) is very steep. Transect 06T was shot with a horizontal angle of 69° 45' 04".

07T Original fence post is located on the right bank of the tributary channel and on the left bank of a small tributary. A pin was established about 30 feet southwest of a honey locust tree. The pin is approximately 200 feet west of the gravel road. Transect 07T runs south to north at a horizontal angle of 133° 27' 15" and 07TA east to west with a horizontal angle of 227° 52' 14".

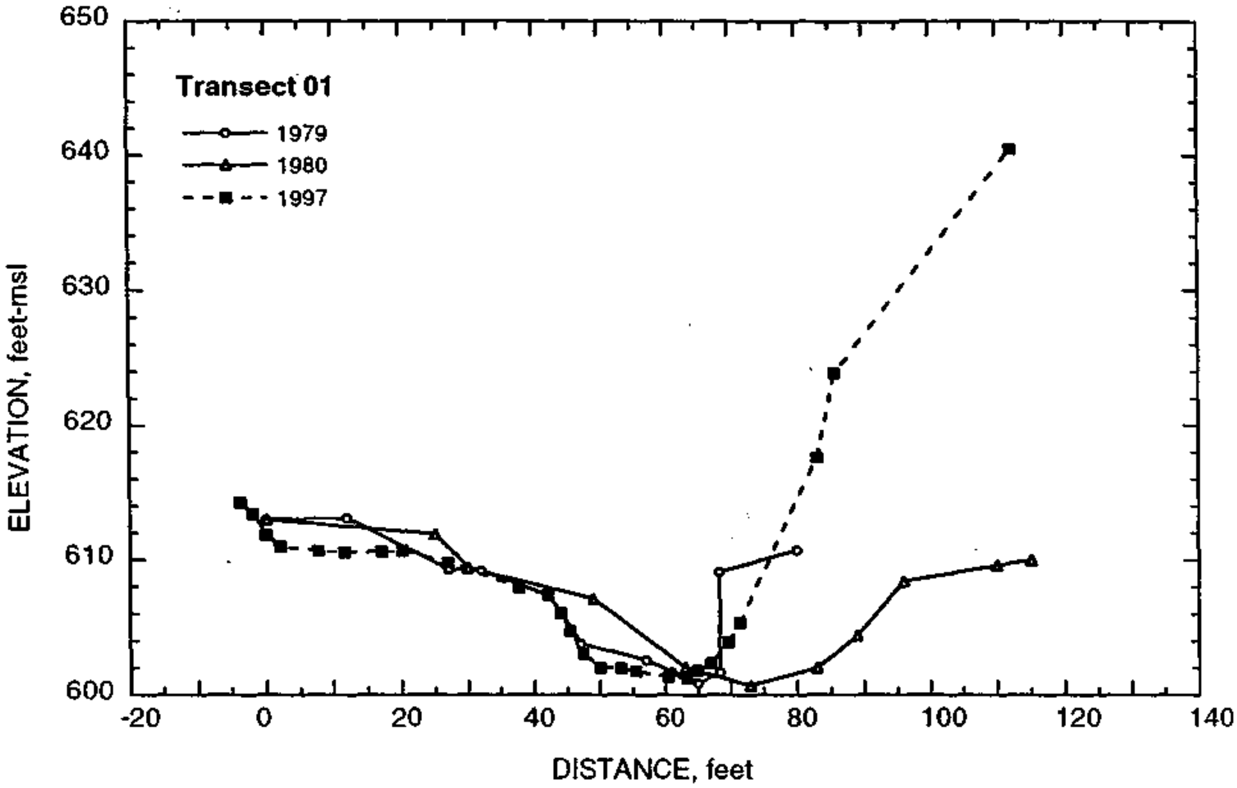
08T Original fence post is located south of a small mass wasting area and about 10 feet from the right bank. A sign post in the stream channel is located about 15 feet from left bank and a bur oak tree is 10 to 15 feet south of the fence post. The pin is west of transect 06T which is on the other side of the gravel road. Transect 08T was shot with a horizontal angle of 311° 03' 38".

09T Transect no longer exists due to retention basin construction.

10T Original station located on a steep slope in the northwest corner of a field. Transect 10T was shot with a horizontal angle of 315° 51' 22".

1 IT Reestablished station. Later not thought to be correct location. Located in ravine off of curve in the road next to a fence line. Transect 11T was shot with a horizontal angle of 271° 00' 25".

The following graphs show stream cross sections in Lake Pittsfield watershed at locations of transect surveys (Figure 5).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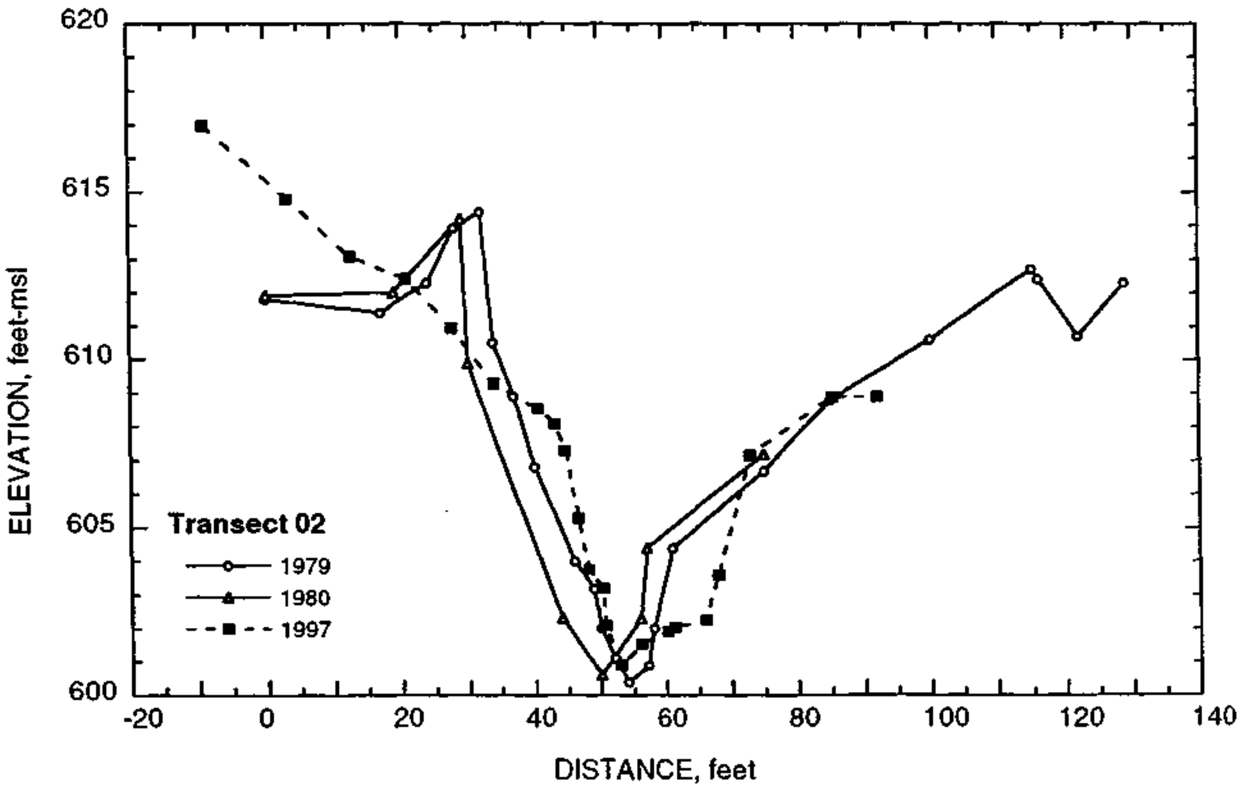
80
100
120
140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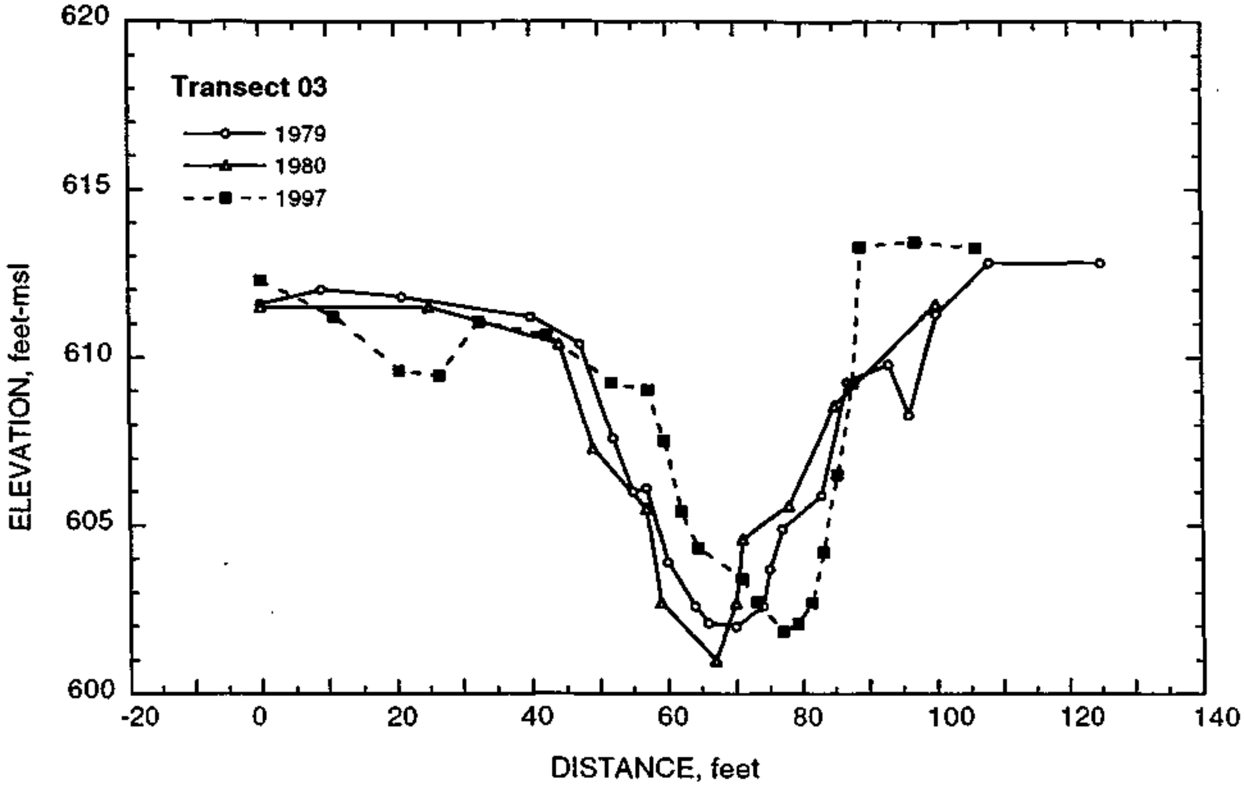
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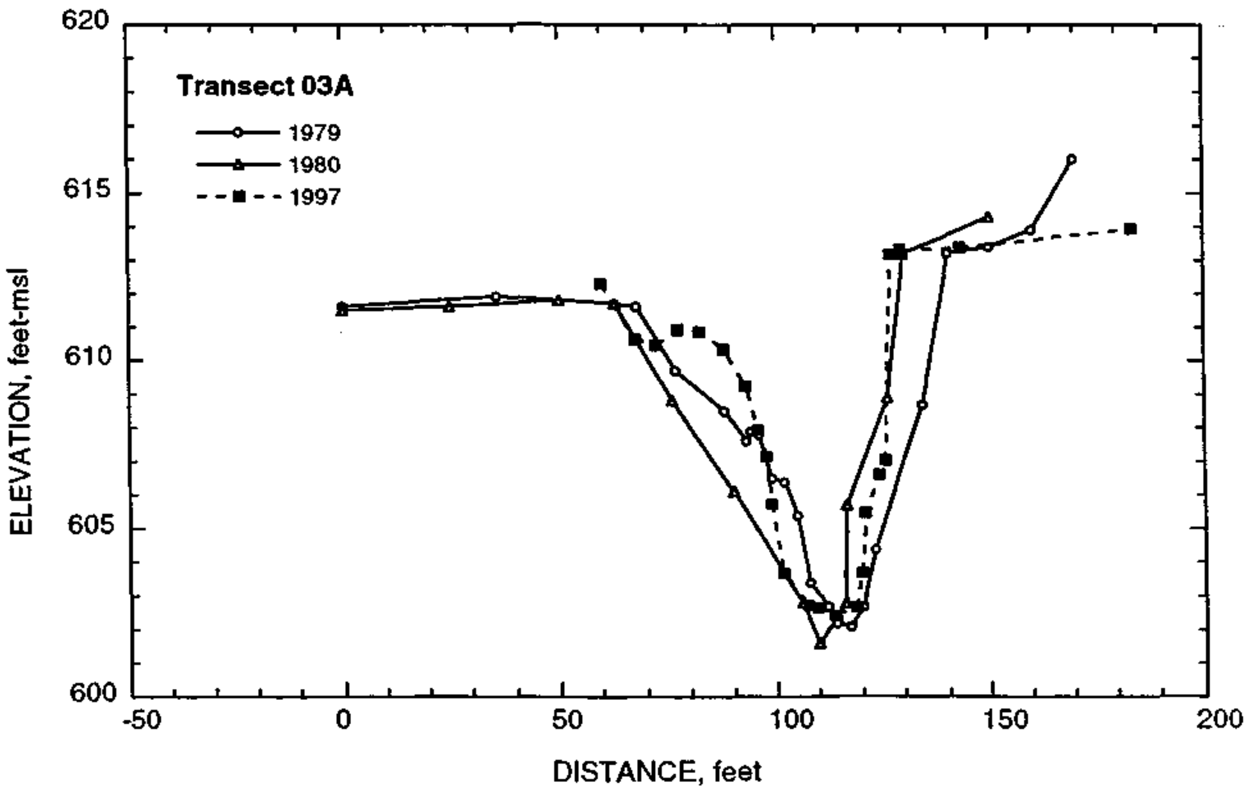
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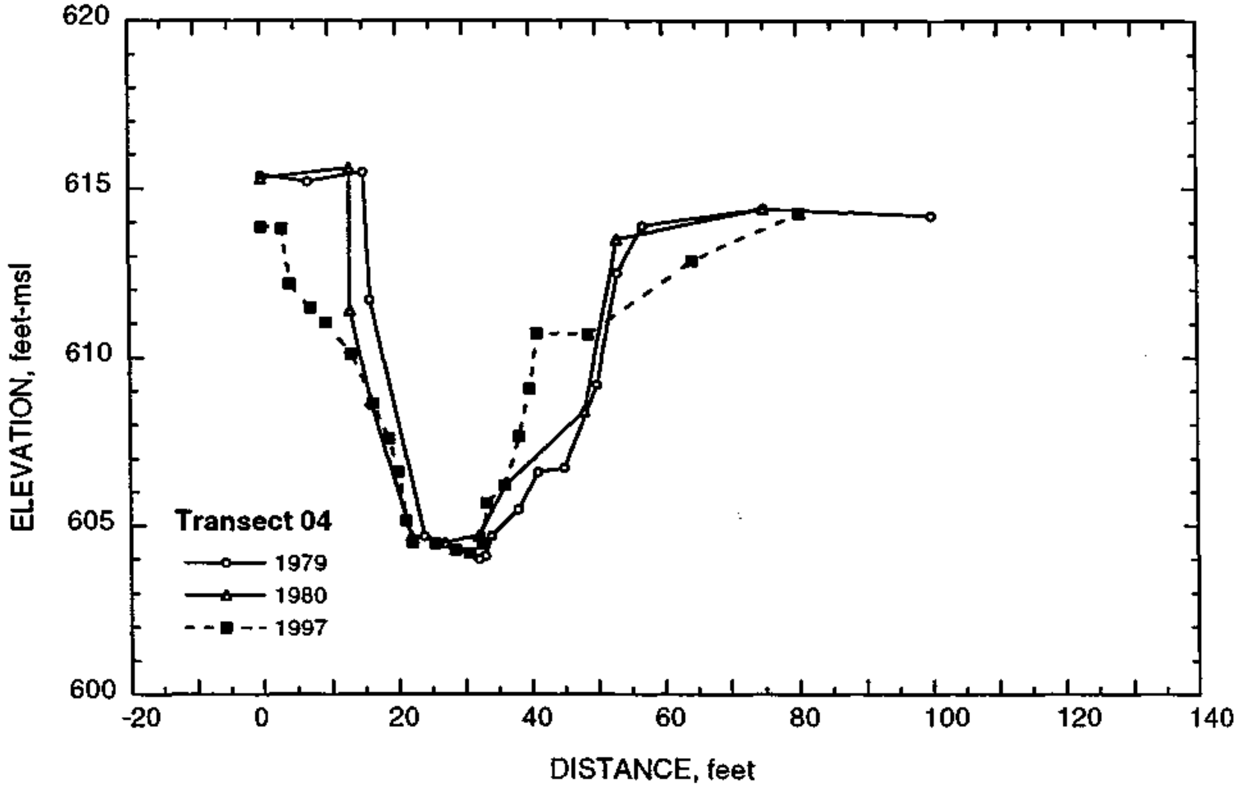
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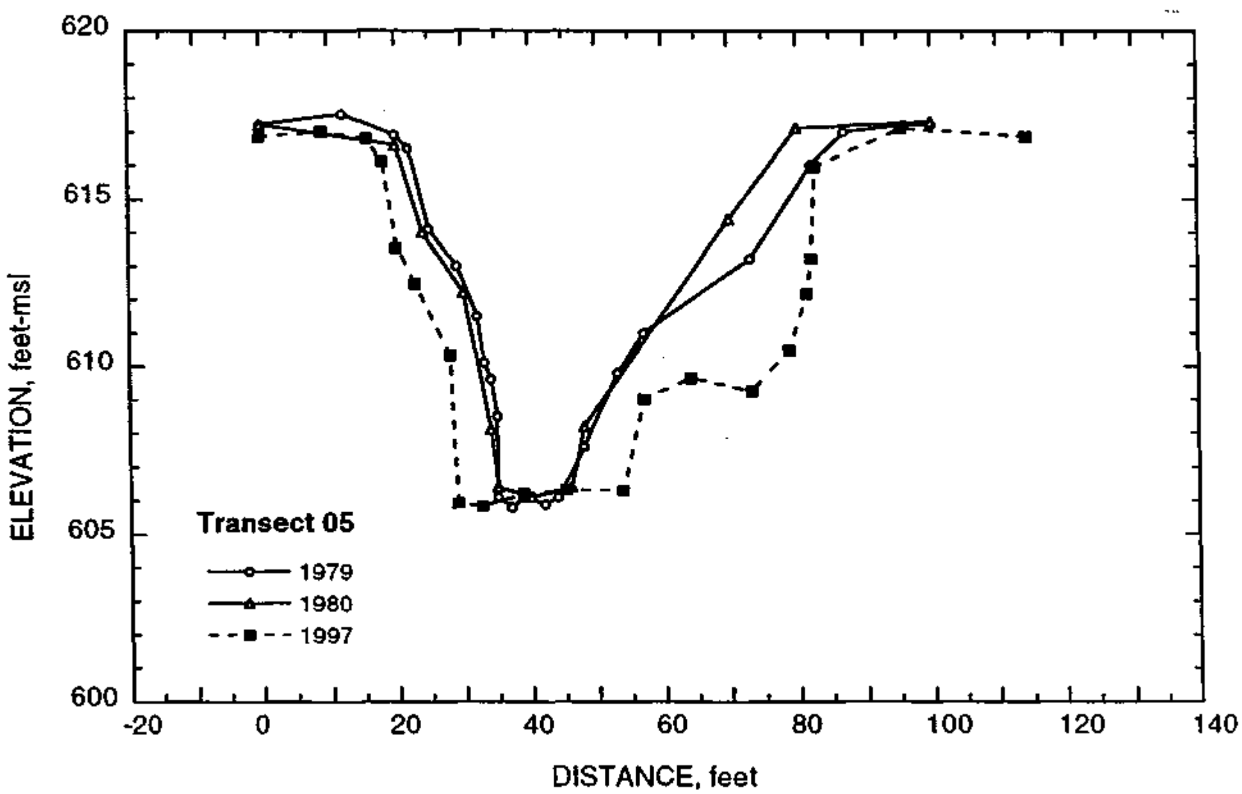
DISTANCE, feet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ELEVATION, feet-msl
Transect 05
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1980
1997
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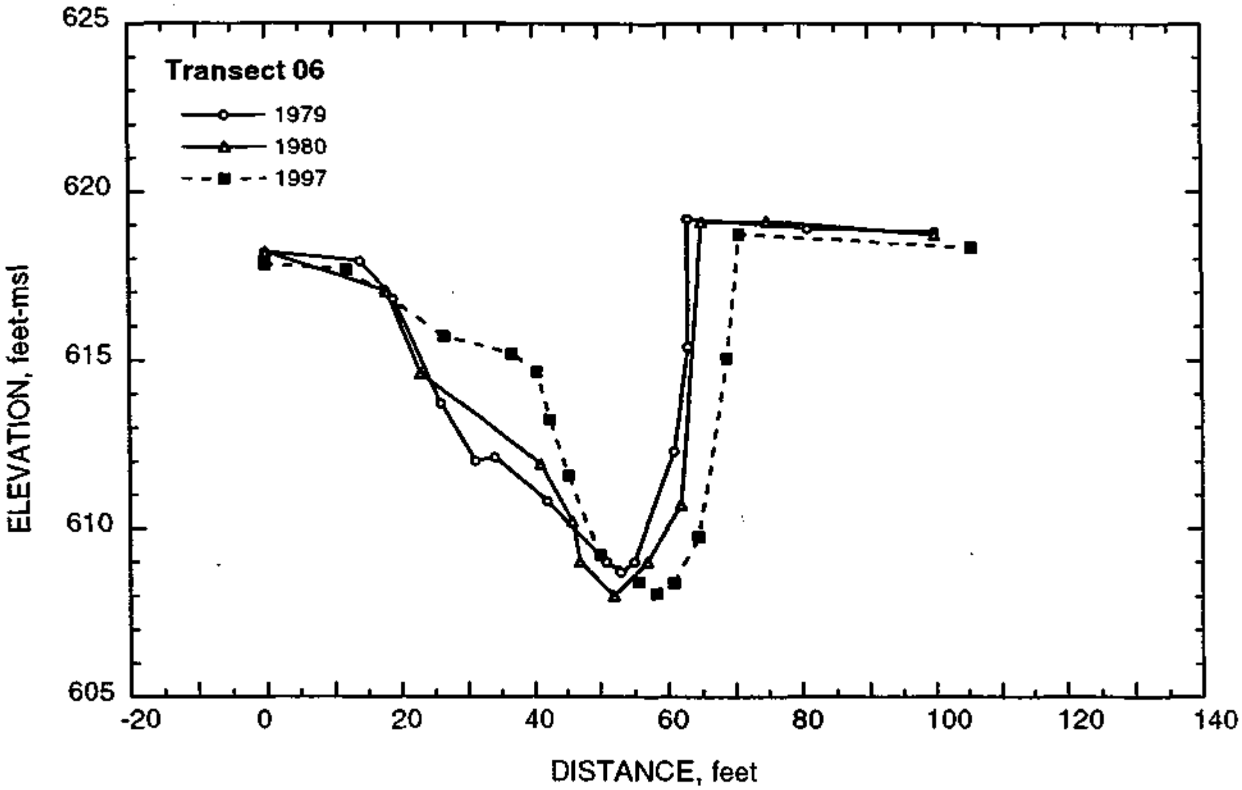
DISTANCE, feet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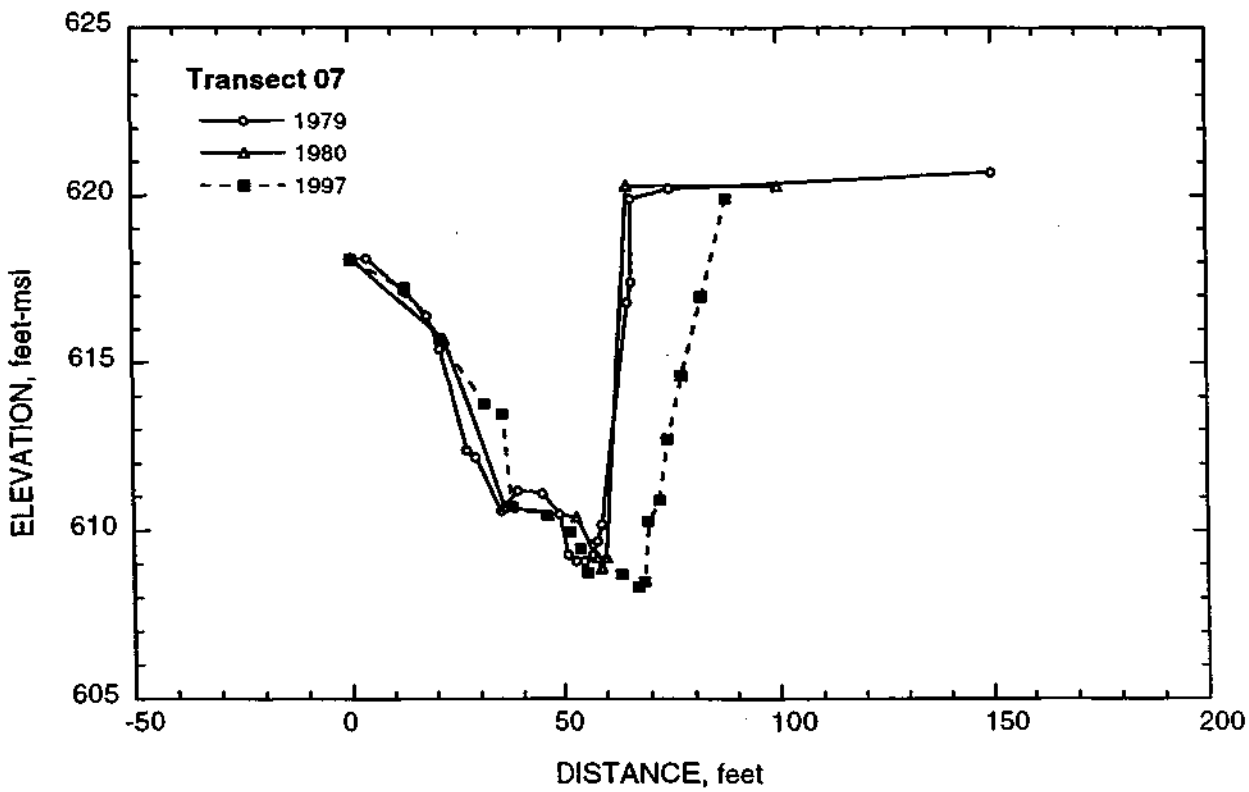
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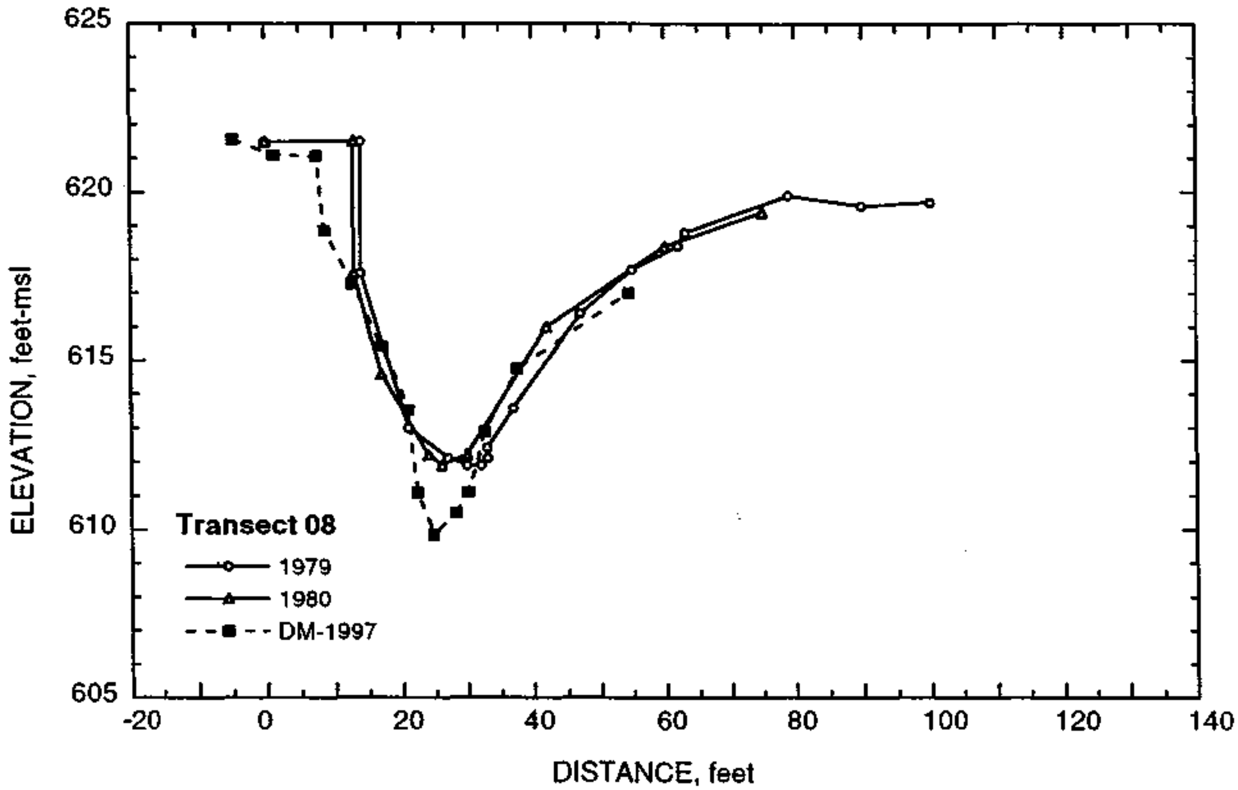
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DISTANCE, feet
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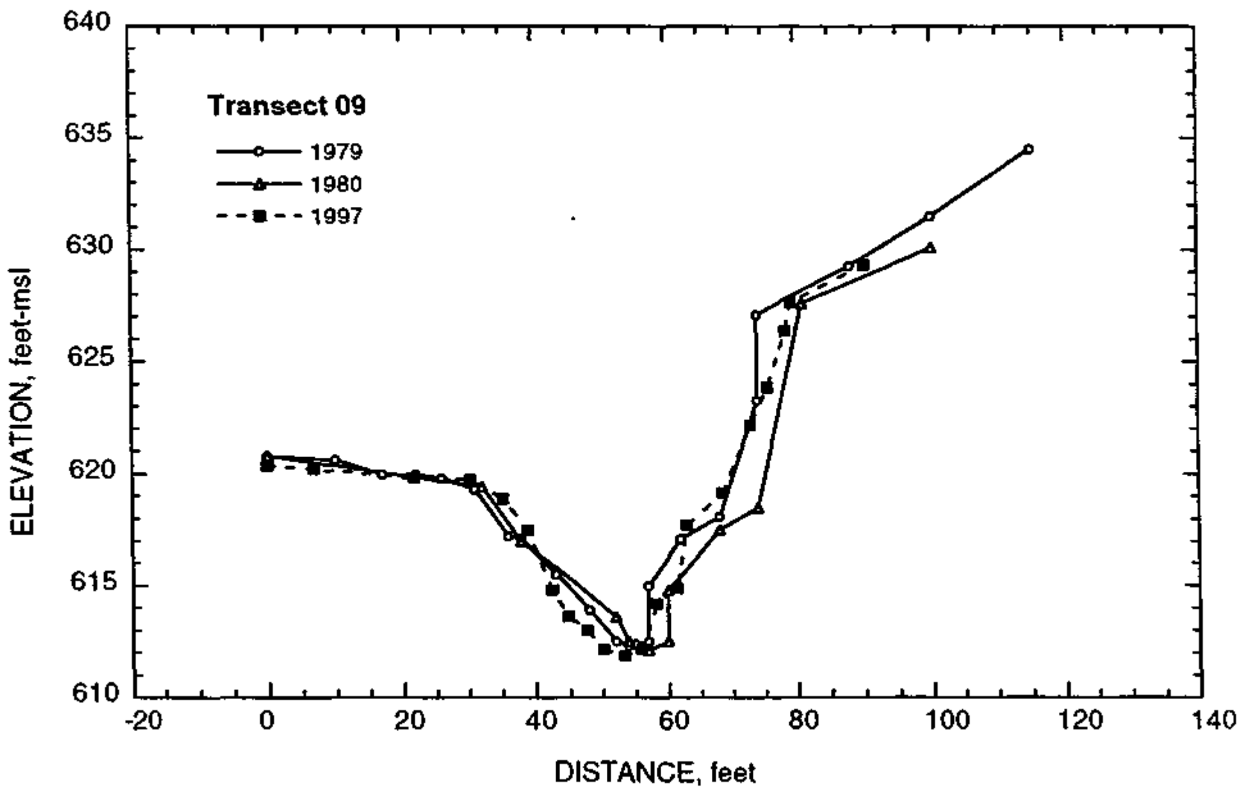
1980
DM-1997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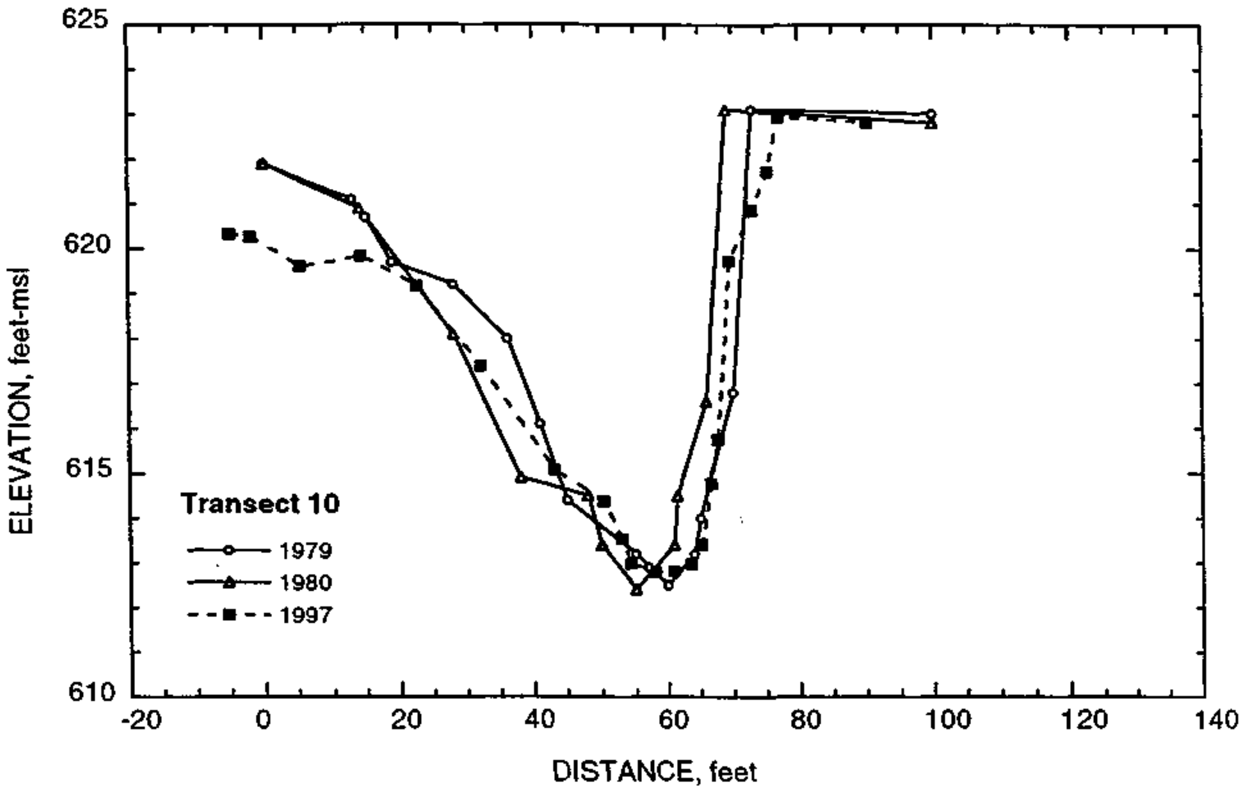
1980
1997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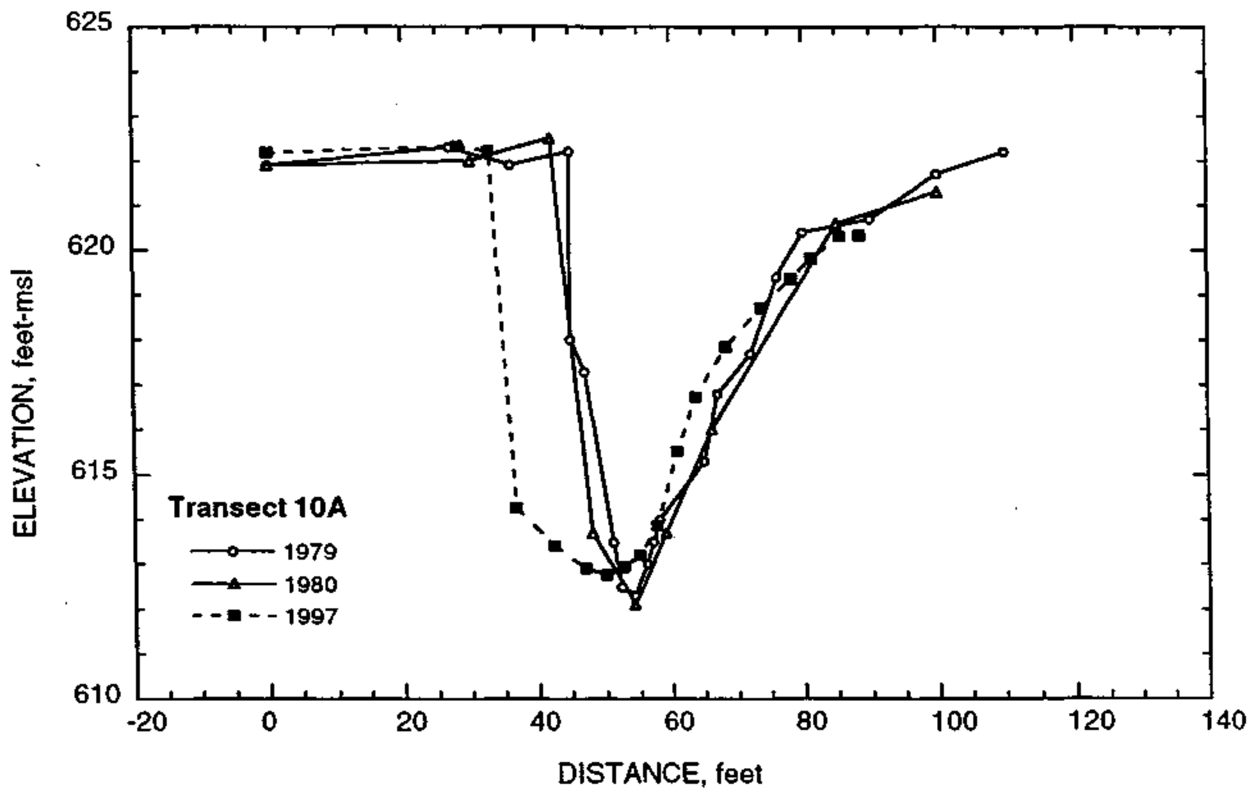
1980
1997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DISTANCE, feet
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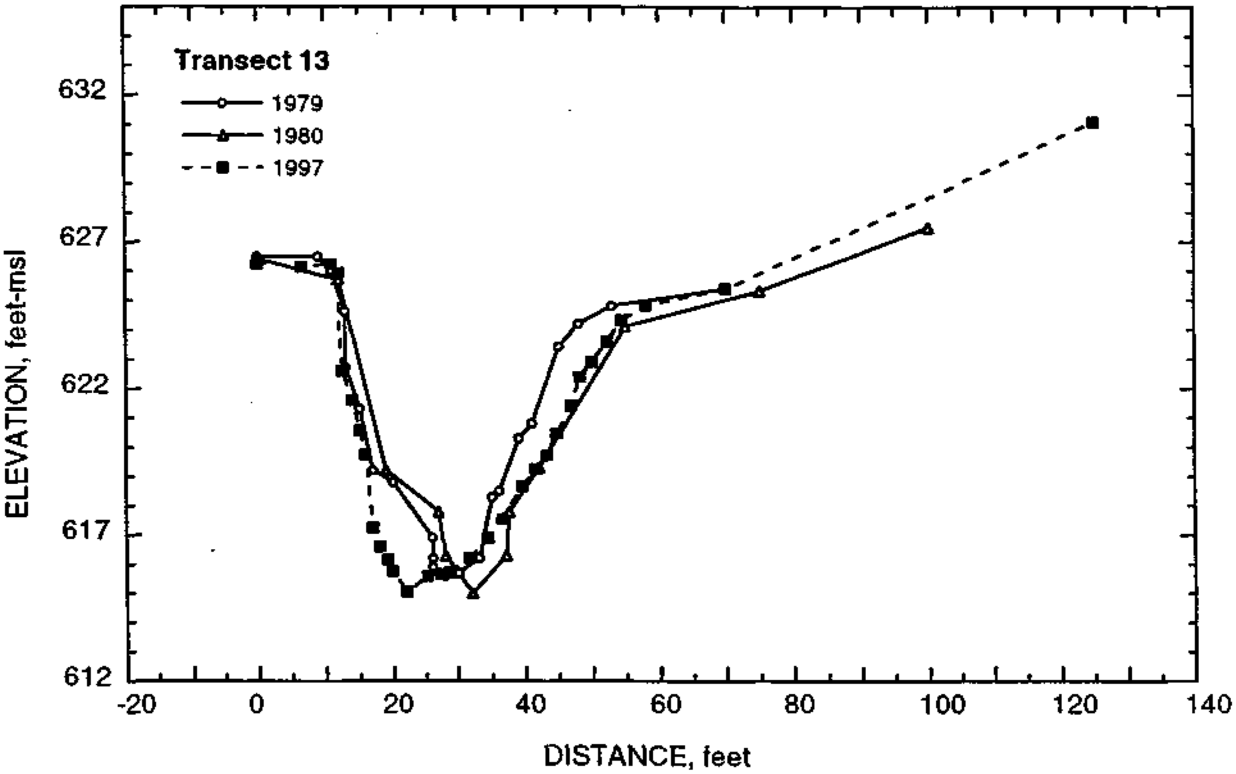
1980
1997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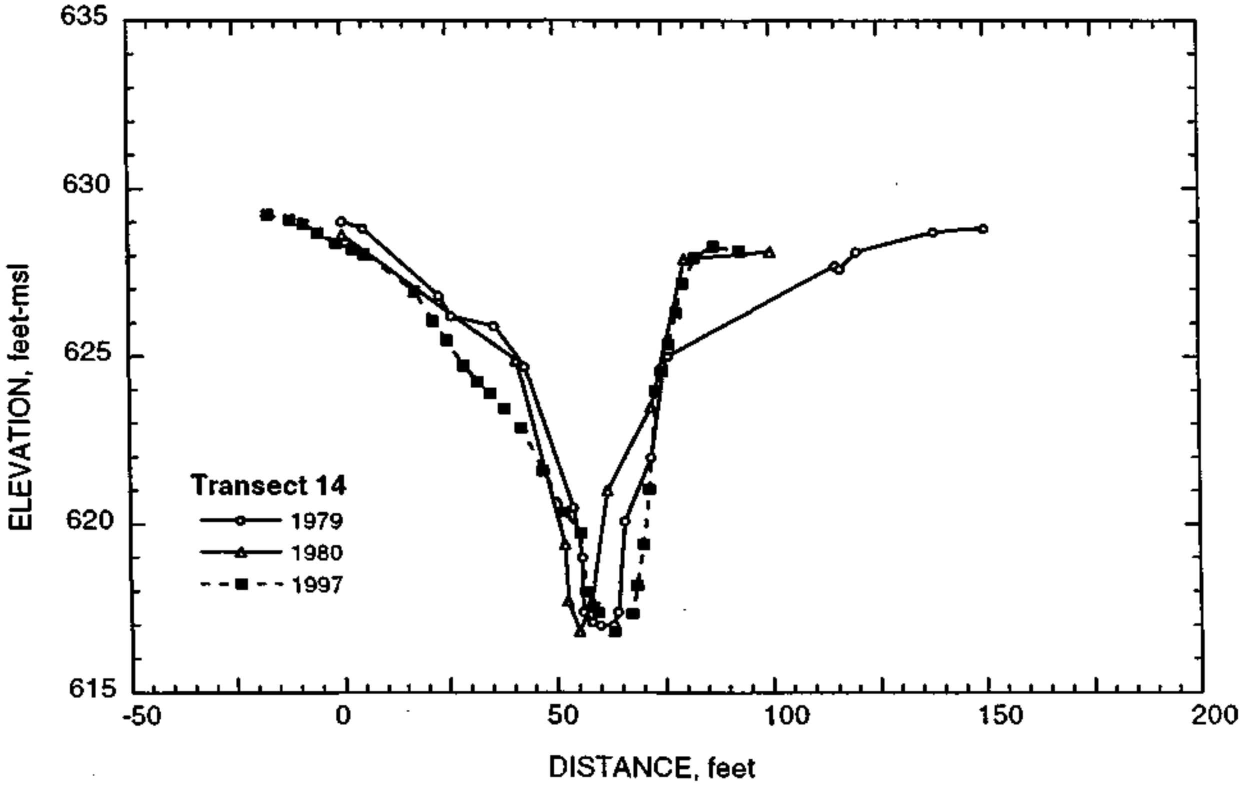
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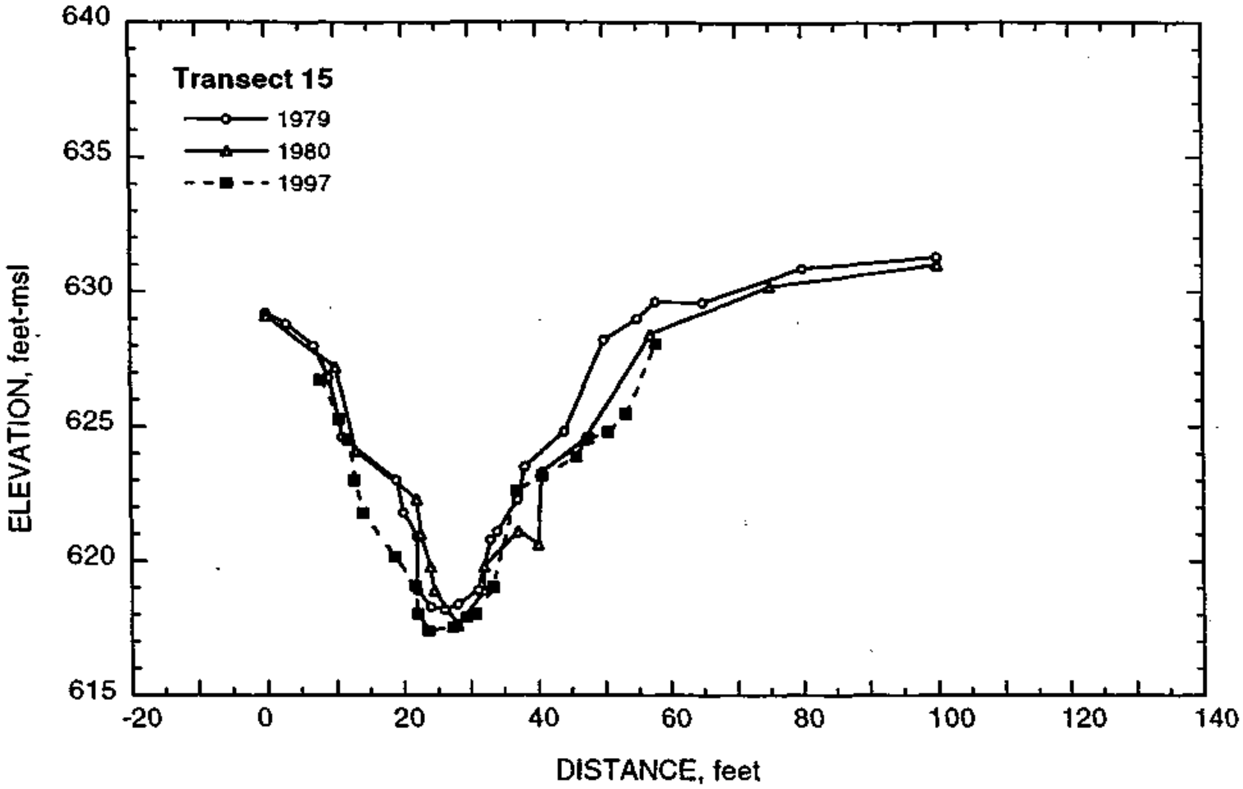

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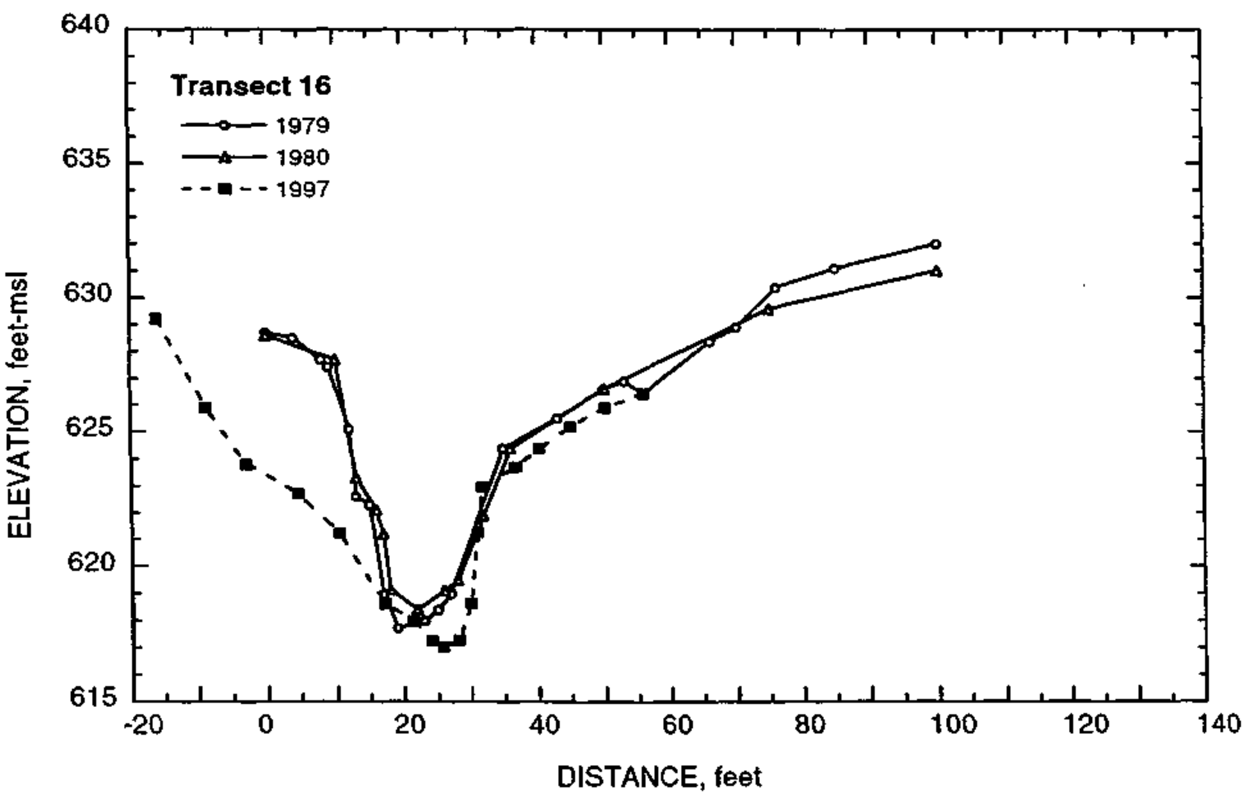

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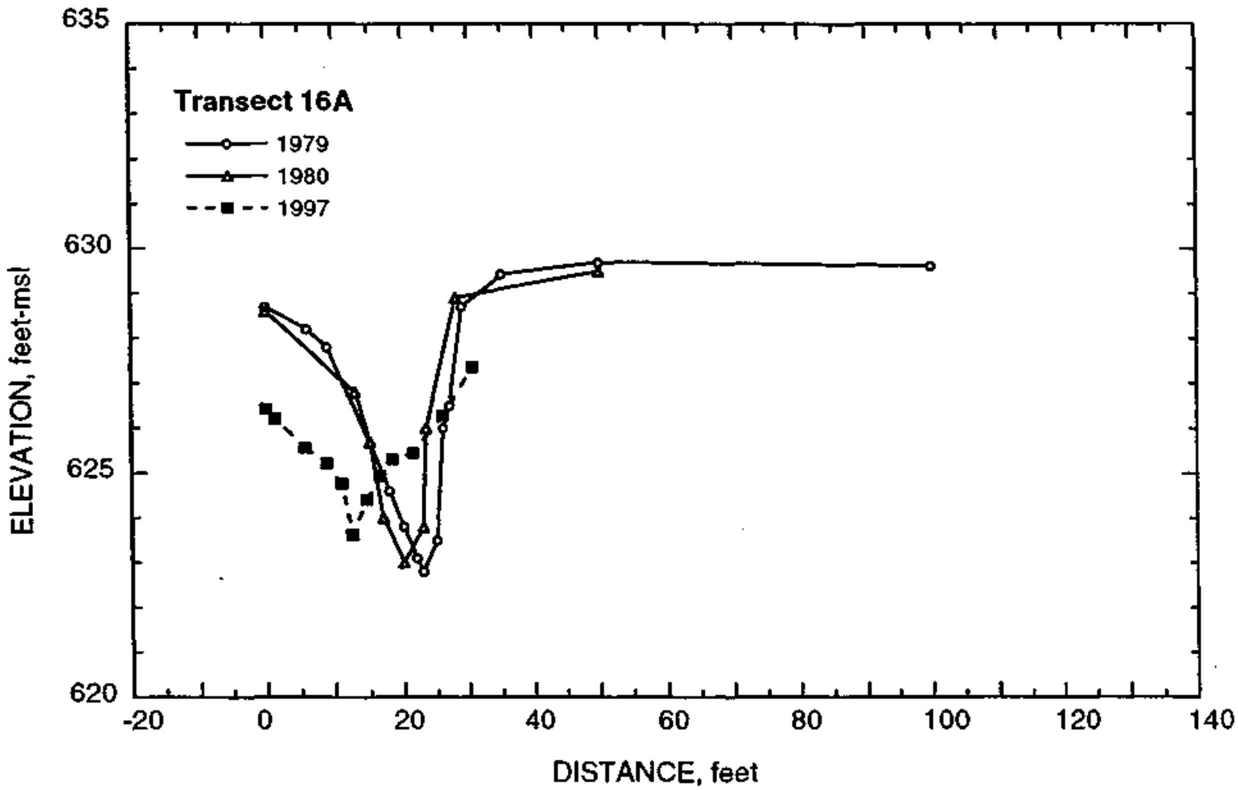
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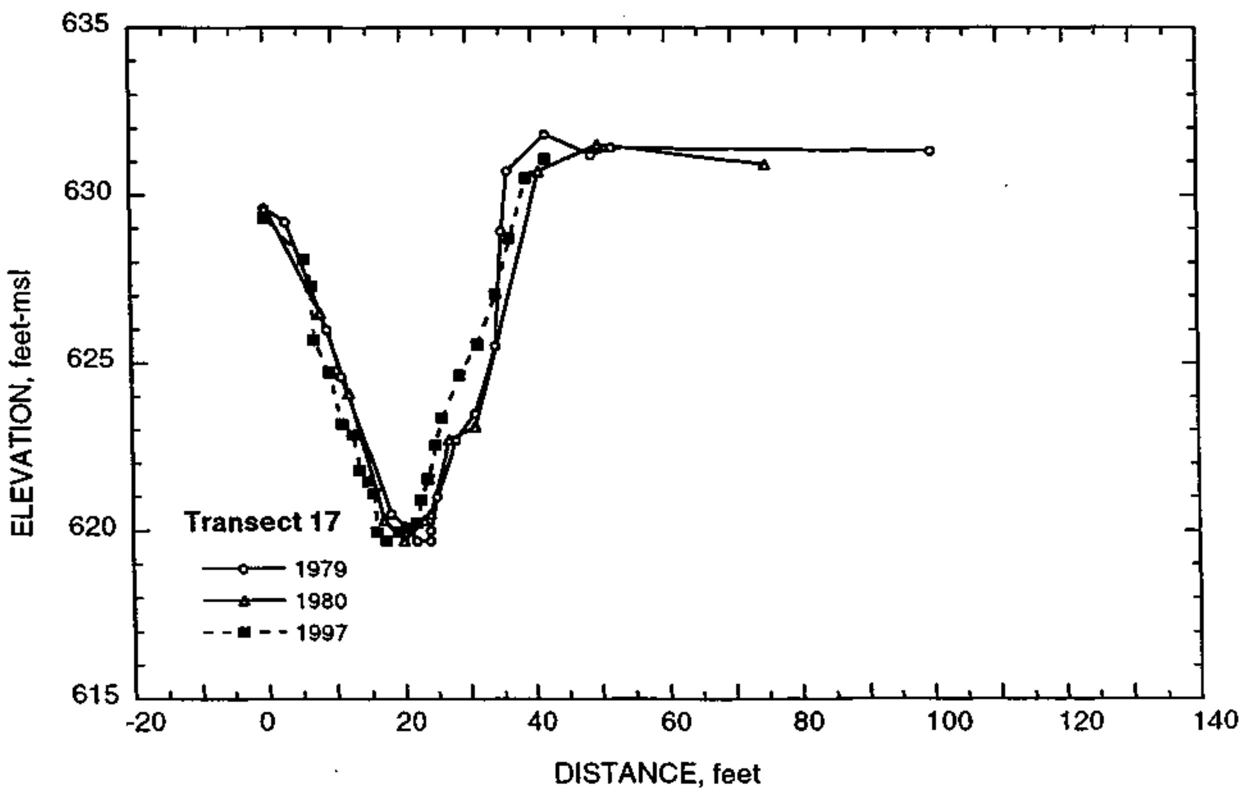
DISTANCE, feet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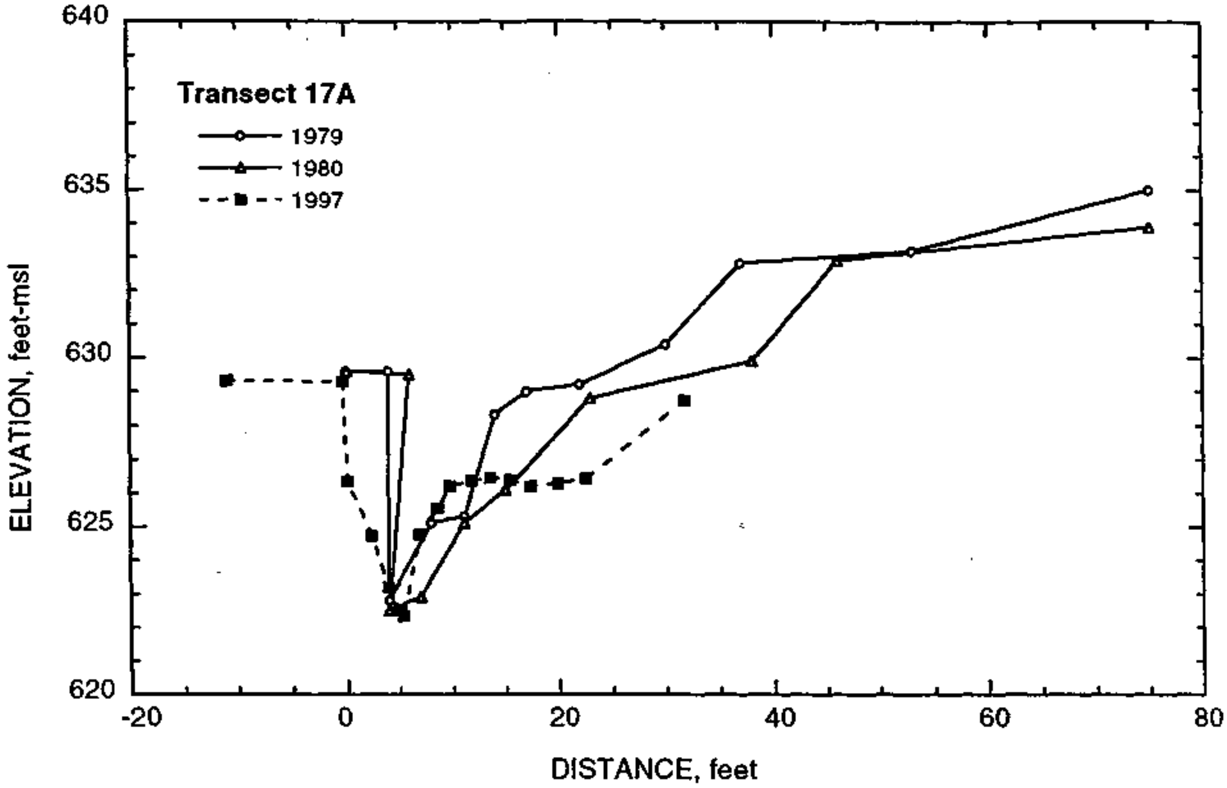
DISTANCE, feet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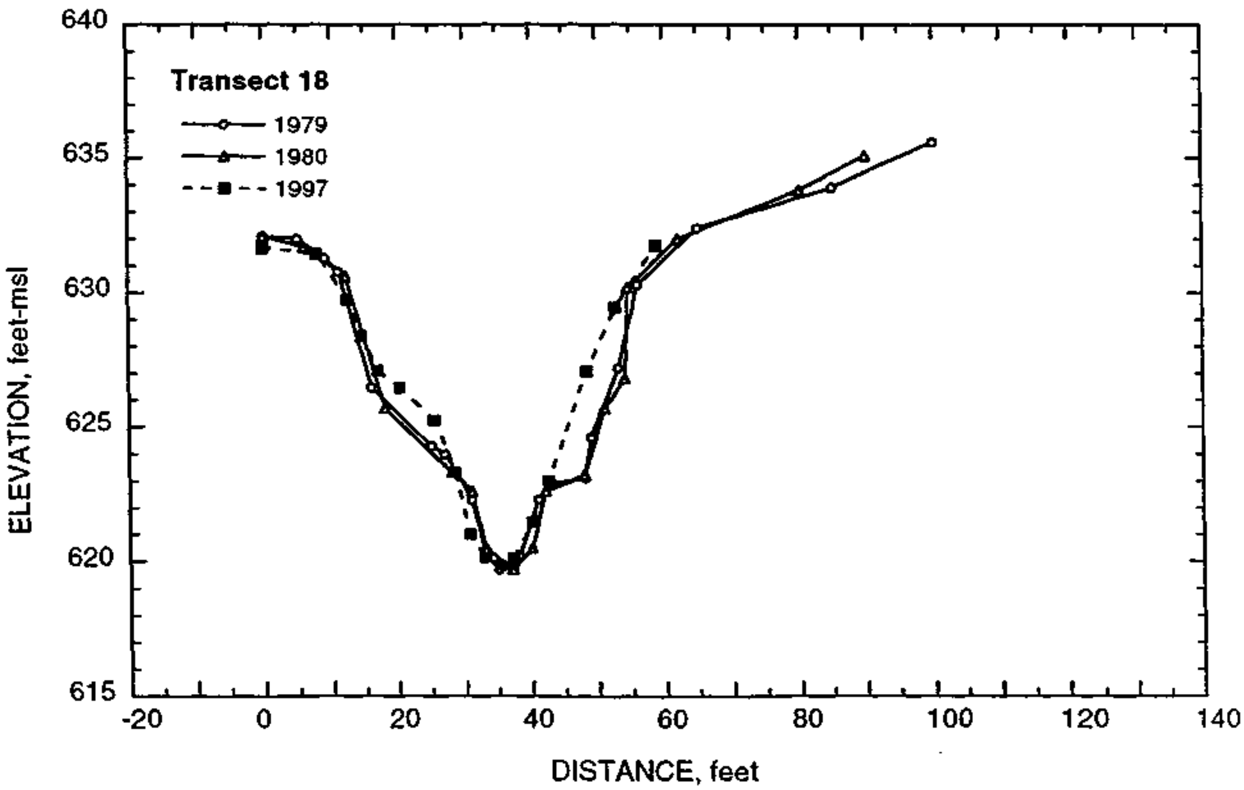
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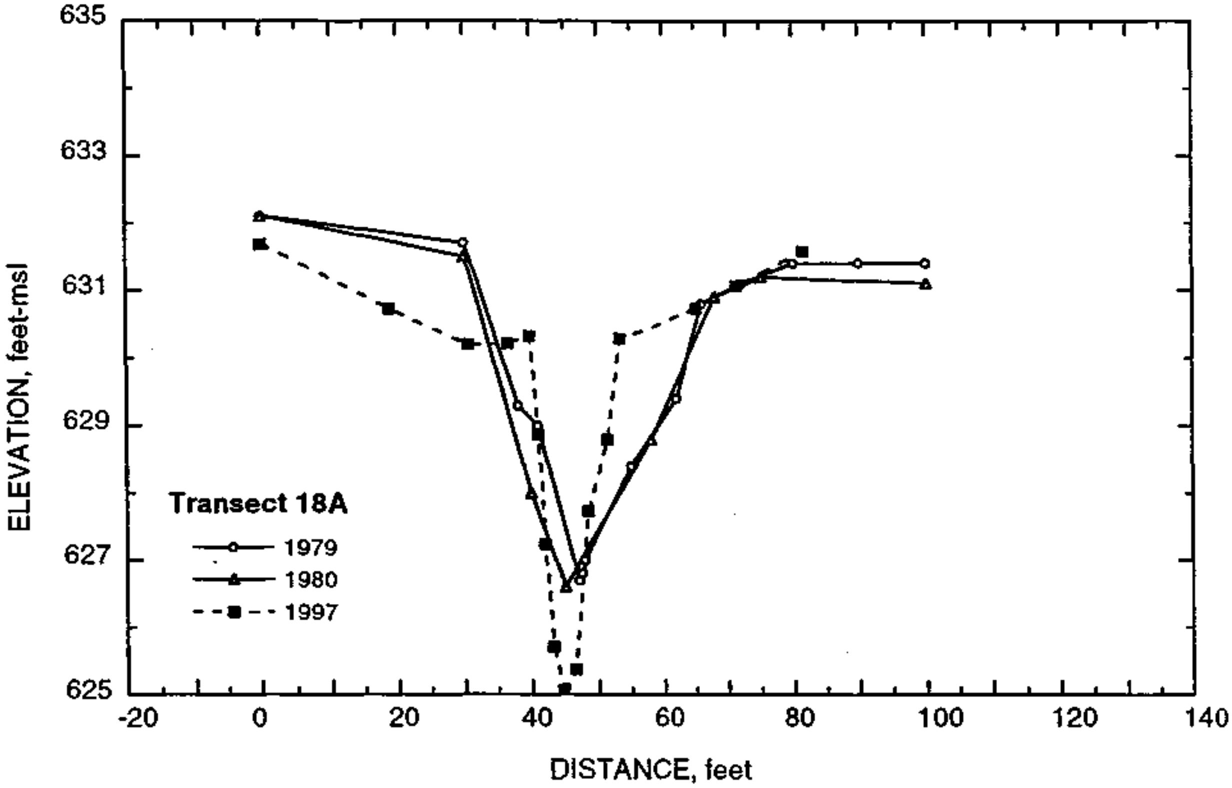
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633
631
629
627
625
ELEVATION, feet-msl
Transect 18A
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1980
1997
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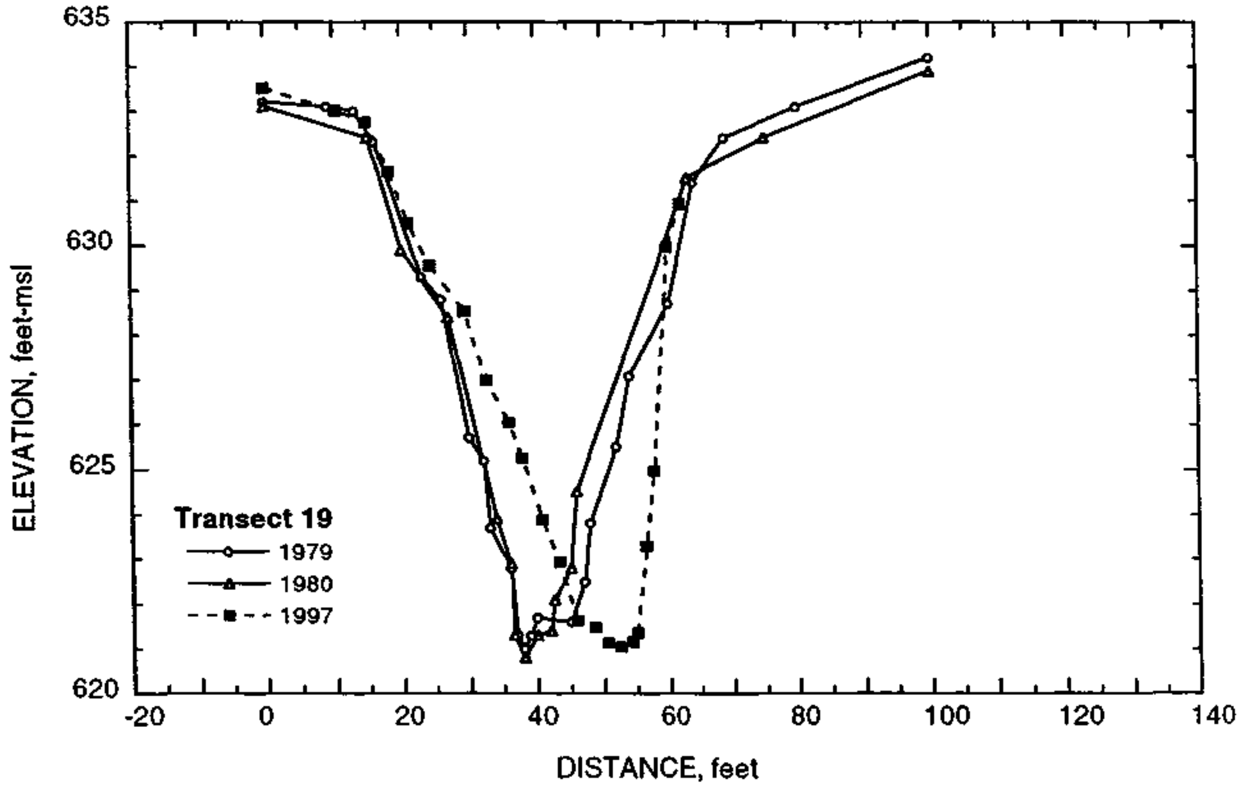
0
20
40
60
80
100
120
140
DISTANCE, feet


635
630
625
620
ELEVATION, feet-msl
Transect 19
1979
1980
1997
-20
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40
60
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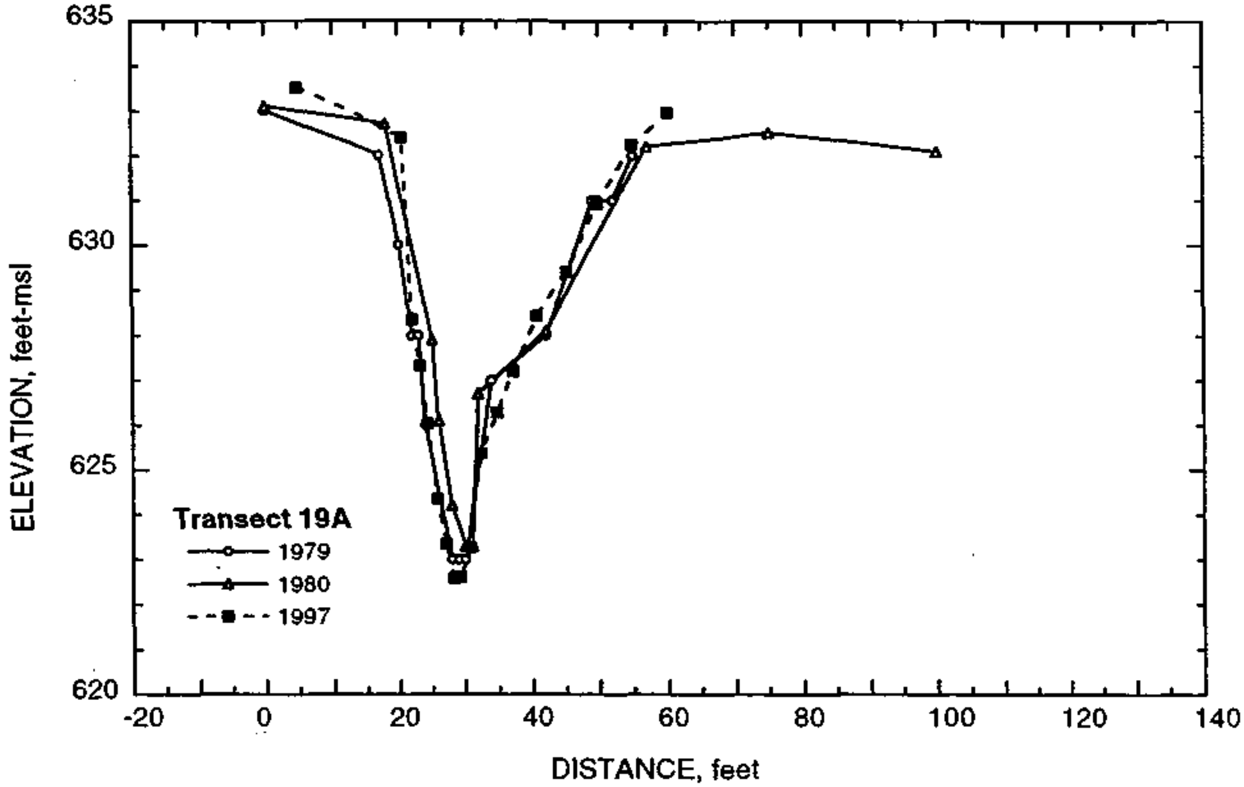
100
120
140
DISTANCE, feet



Transect 19A
1979
1980
1997
ELEVATION, feet-msl
DISTANCE, feet
635
630
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620
-20
0
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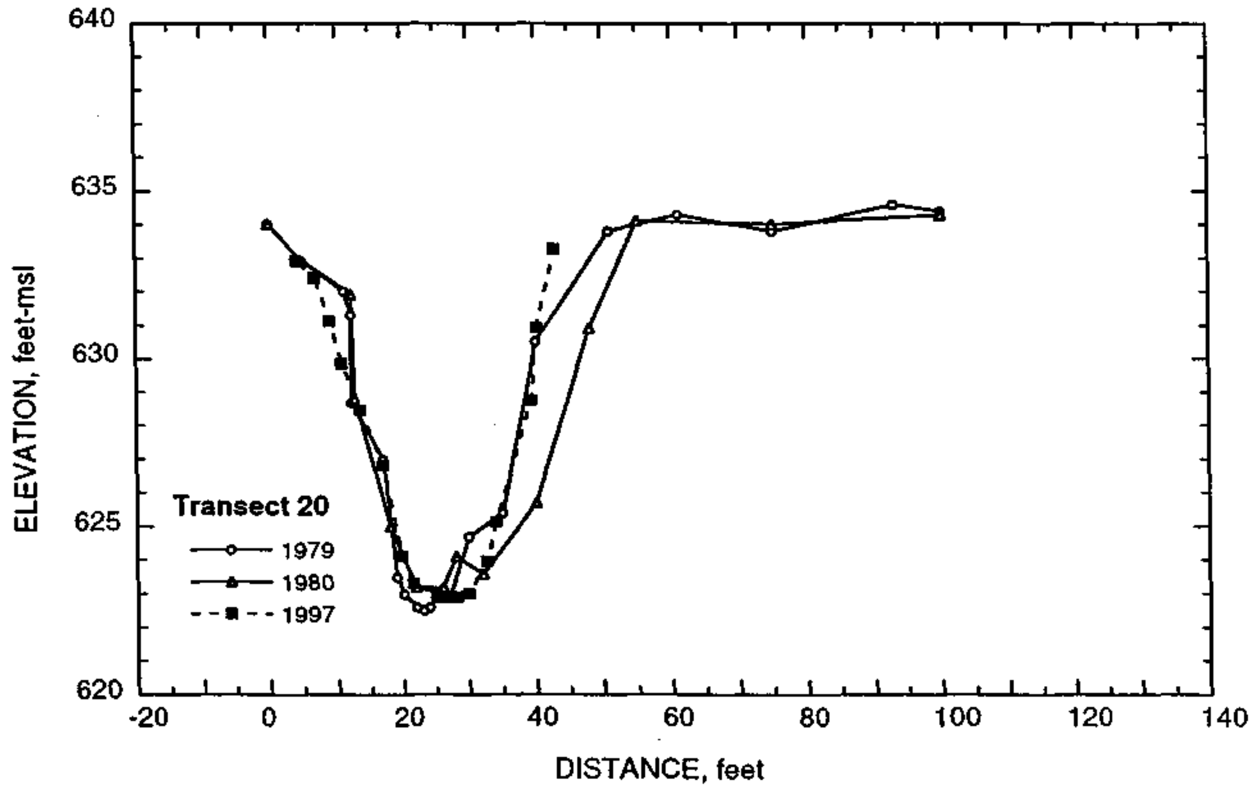
40
60
80
100
120
140



Transect 20
1979
1980
1997
ELEVATION, feet-msl
DISTANCE, feet
640
635
630
625
620
-20
0
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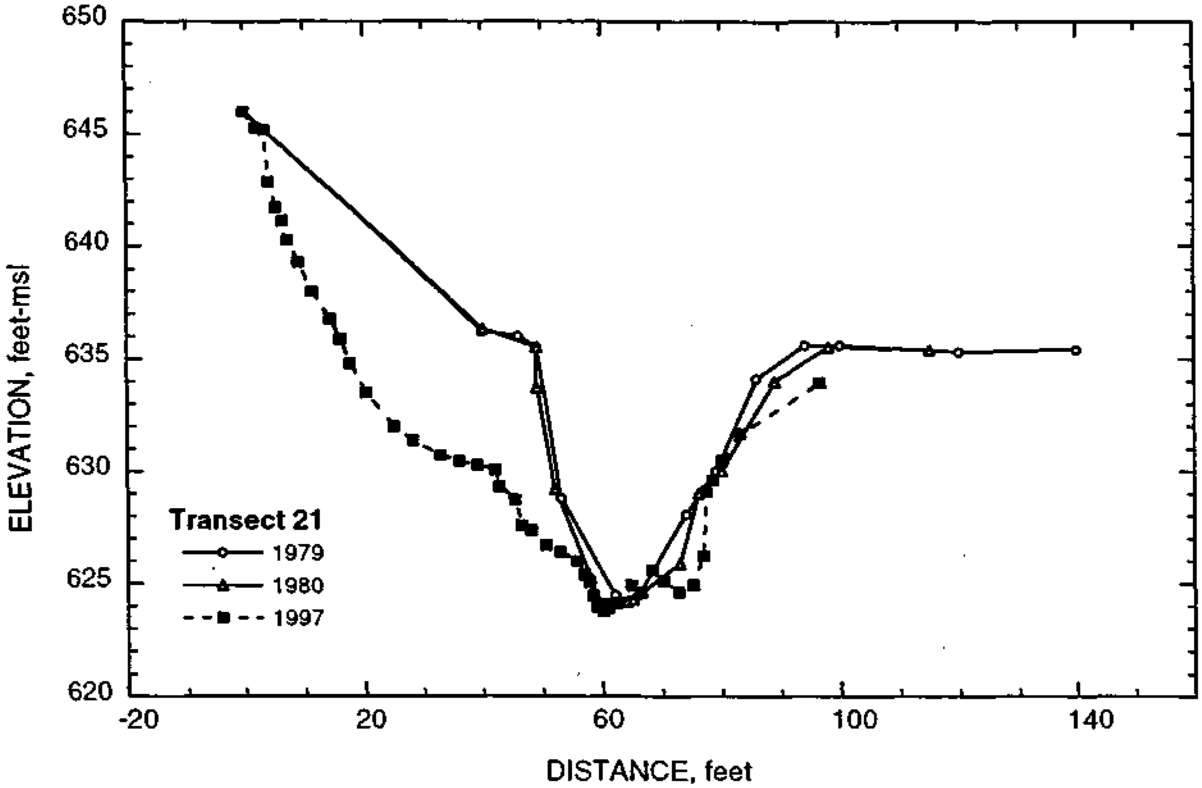
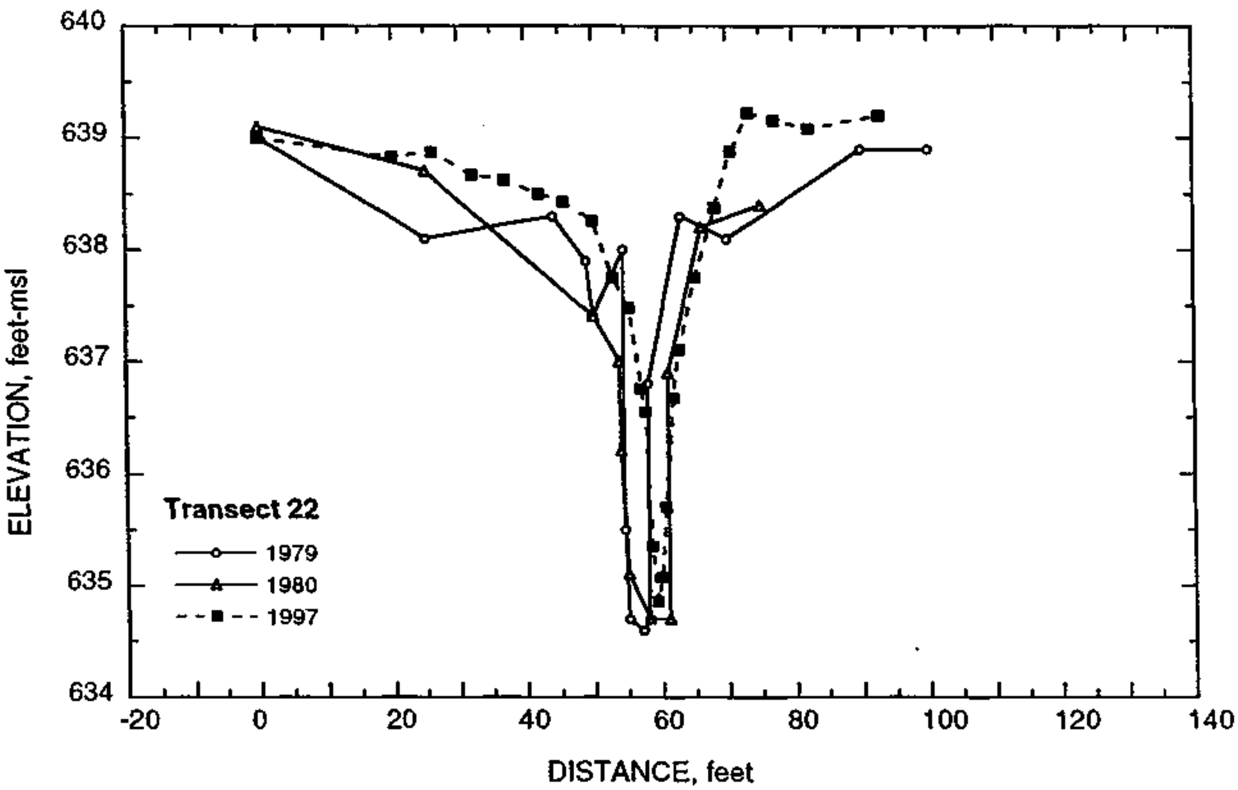
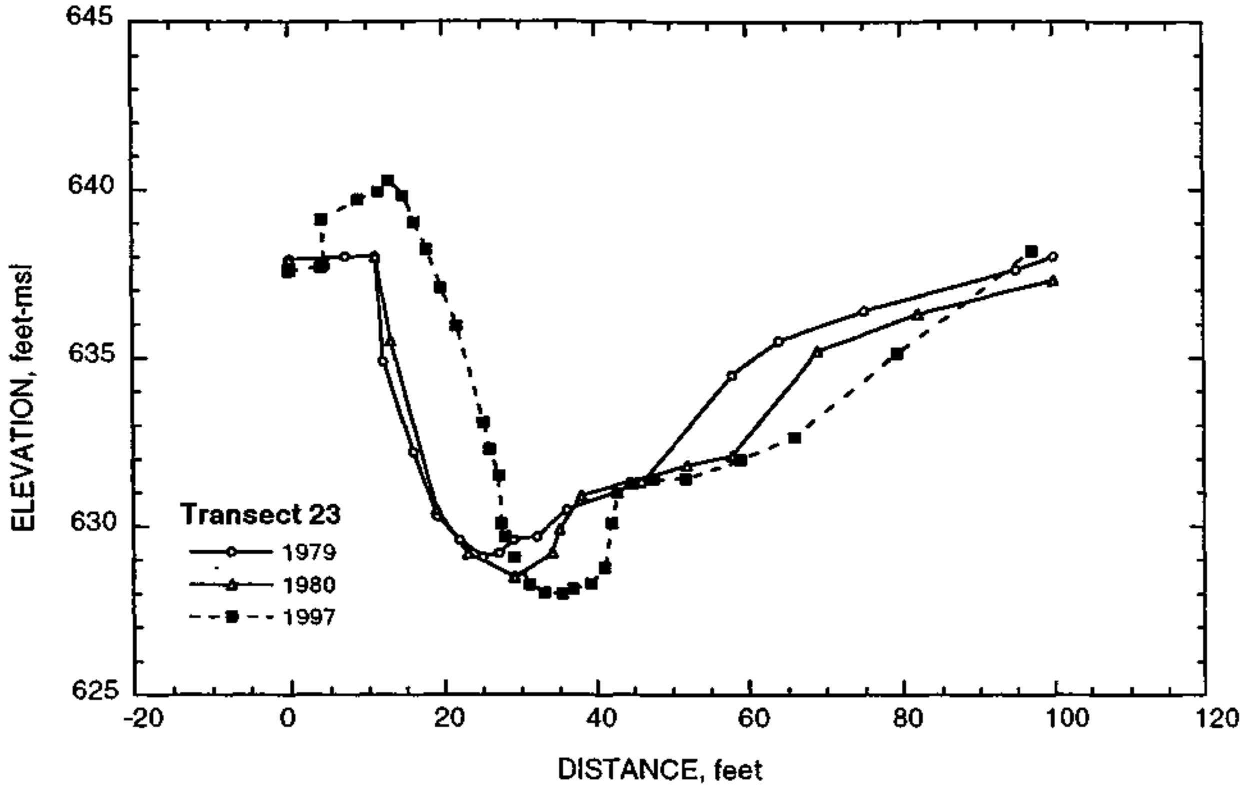
40
60
80
100
120
140

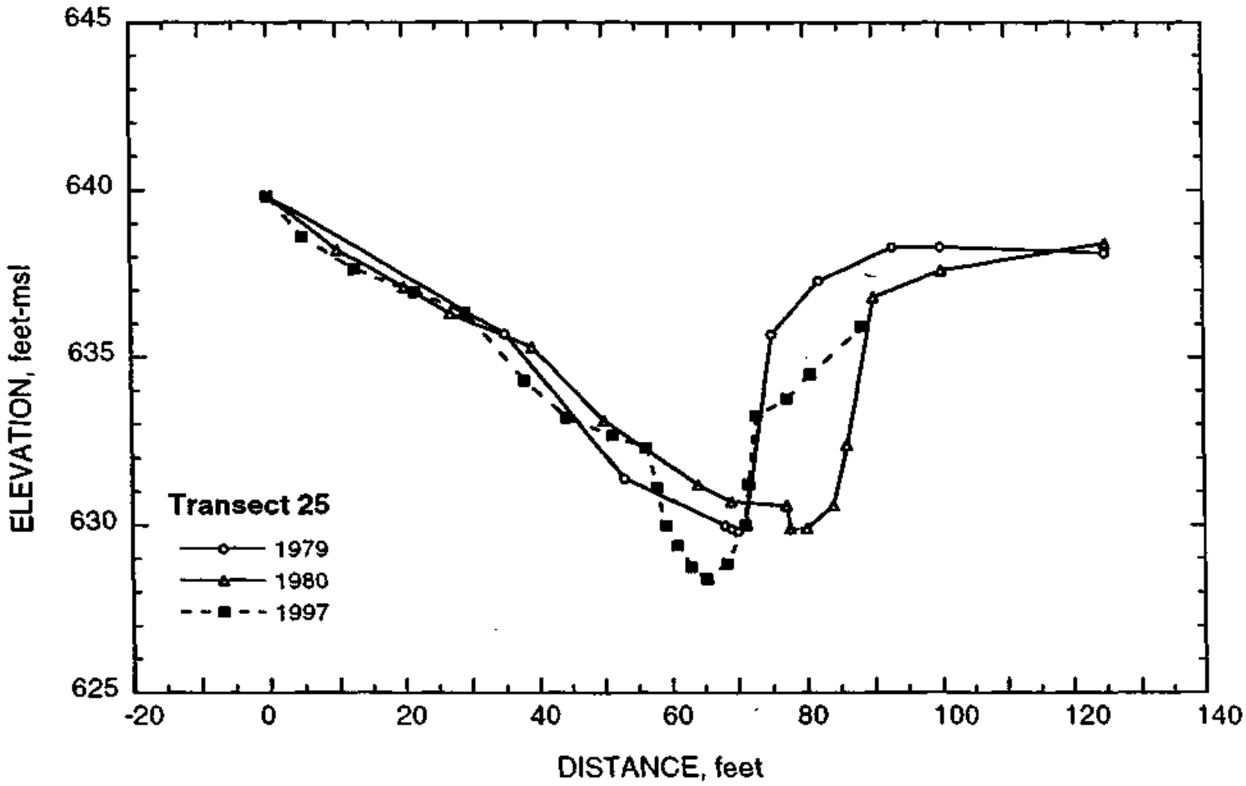


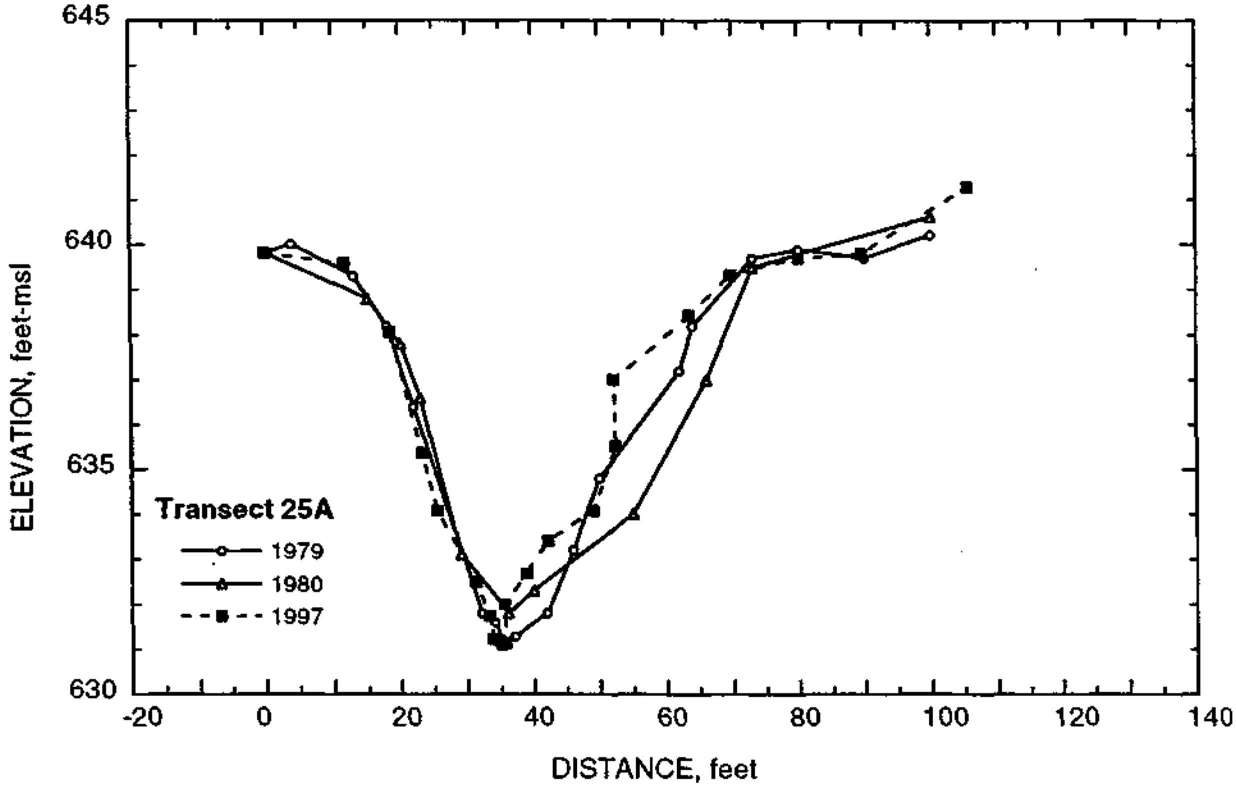
650
645
640
635
630
625
620
ELEVATION, feet-msl
-20
20
60
100
140
DISTANCE, feet
Transect 21
1979
1980
1997

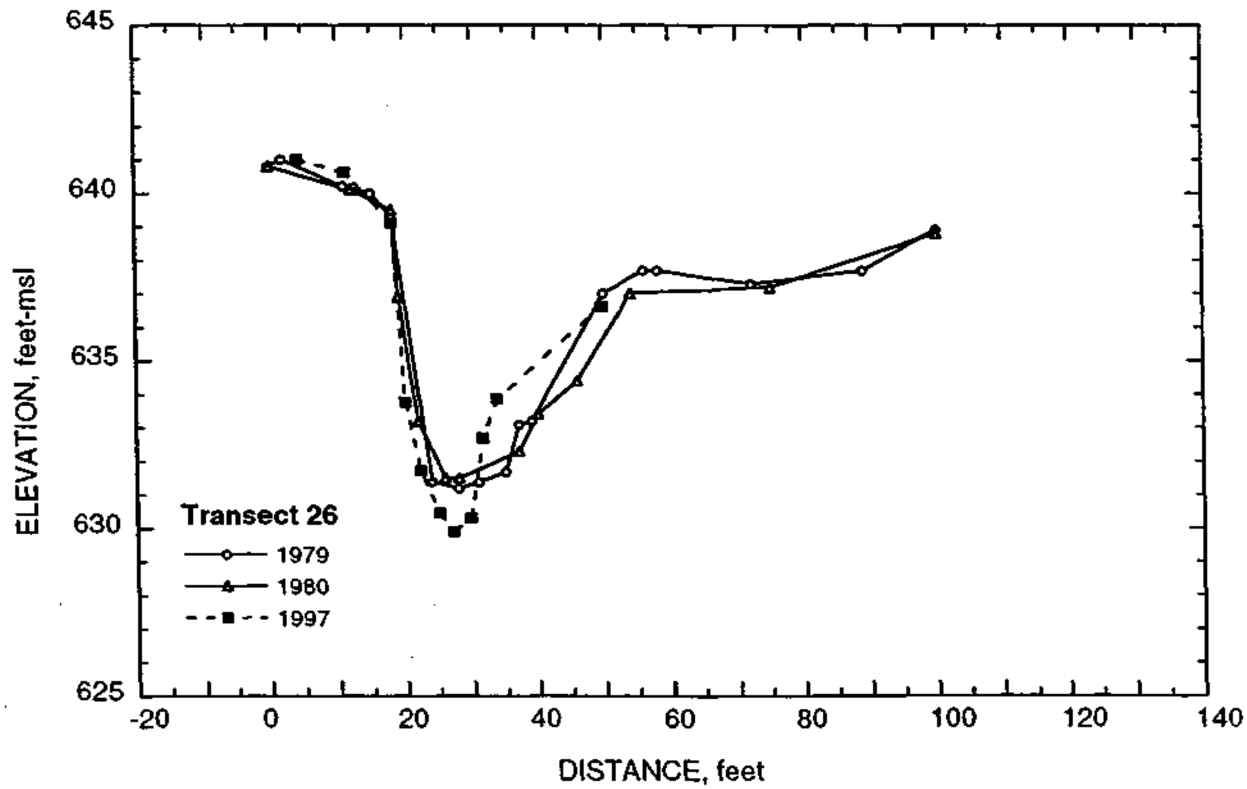


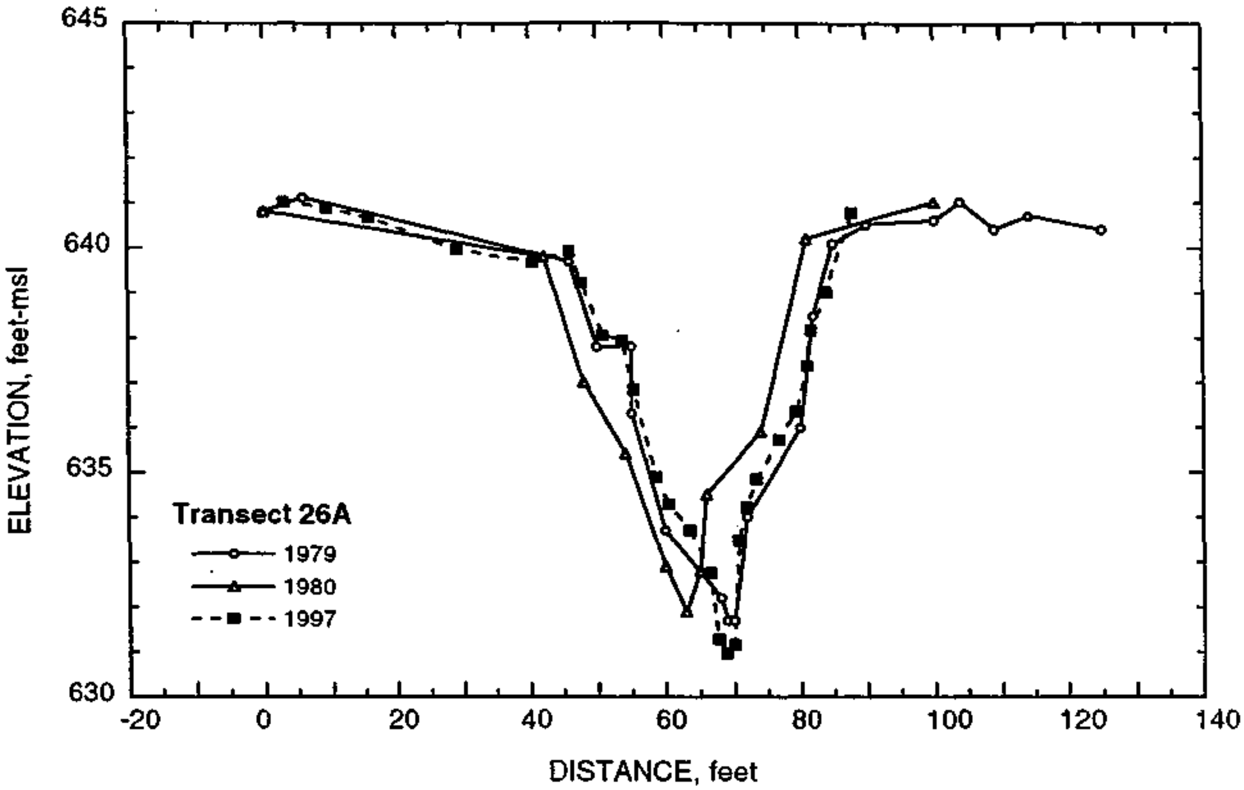
640
639
638
637
636
635
634
ELEVATION, feet-msl
-20
0
20
40
60
80
100
120
140
DISTANCE, feet
Transect 22
1979
1980
1997

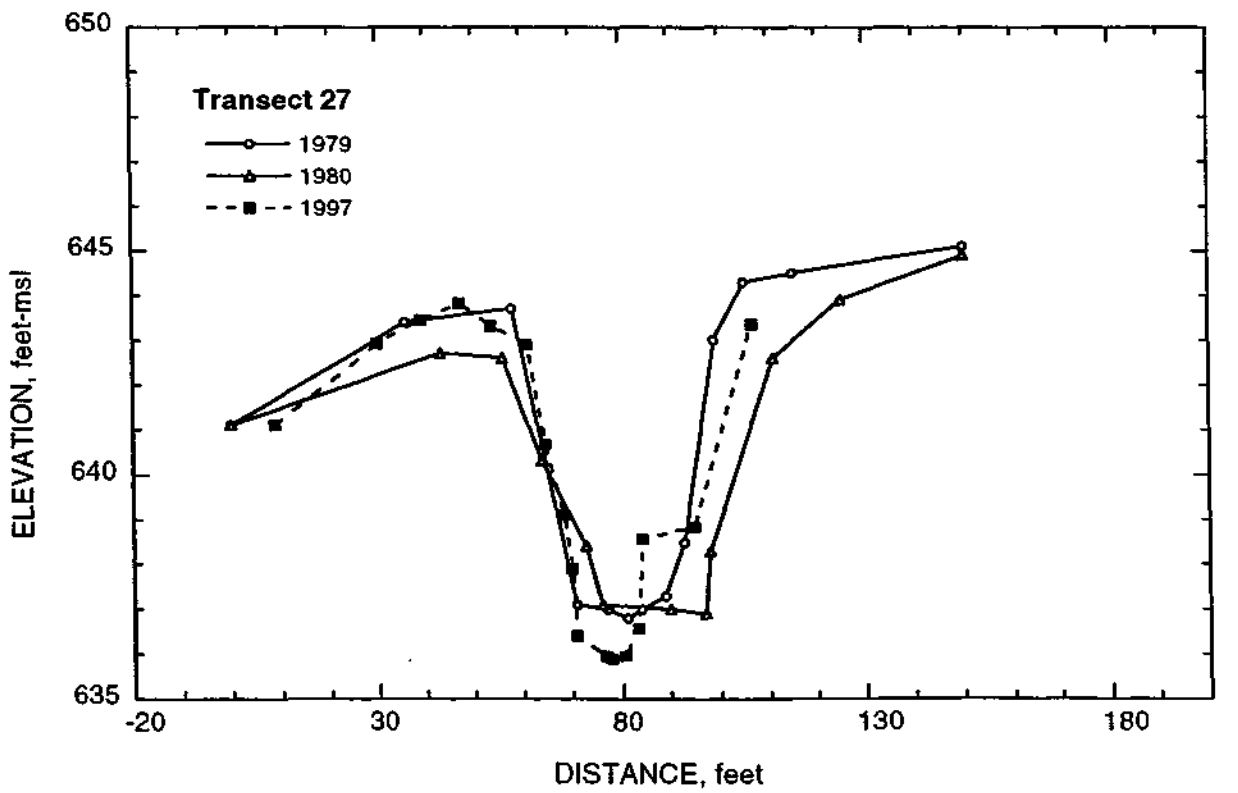

645
640
635
630
625
ELEVATION, feet-msl
-20
0
20
40
60
80
100
120
DISTANCE, feet
Transect 23
1979
1980
1997

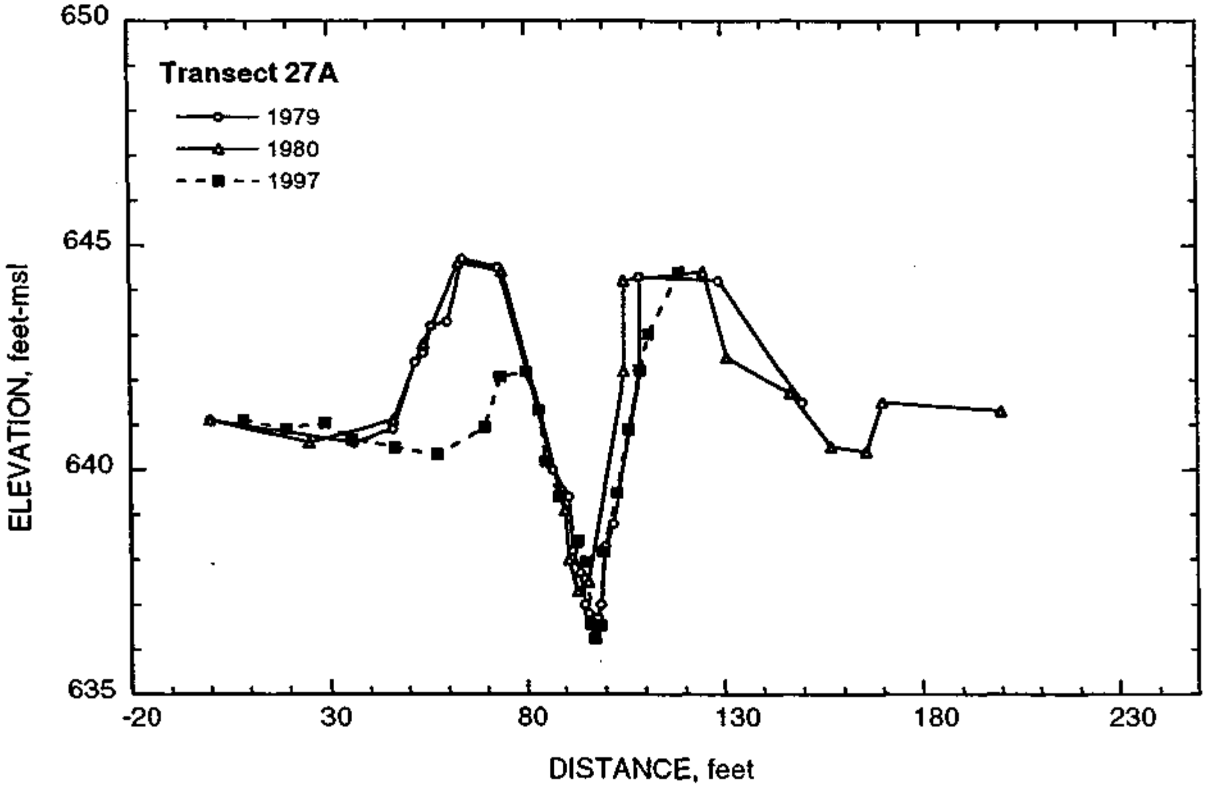

645
640
635
630
625
ELEVATION, feet-msl
-20
0
20
40
60
80
100
120
140
DISTANCE, feet
Transect 25
1979
1980
1997

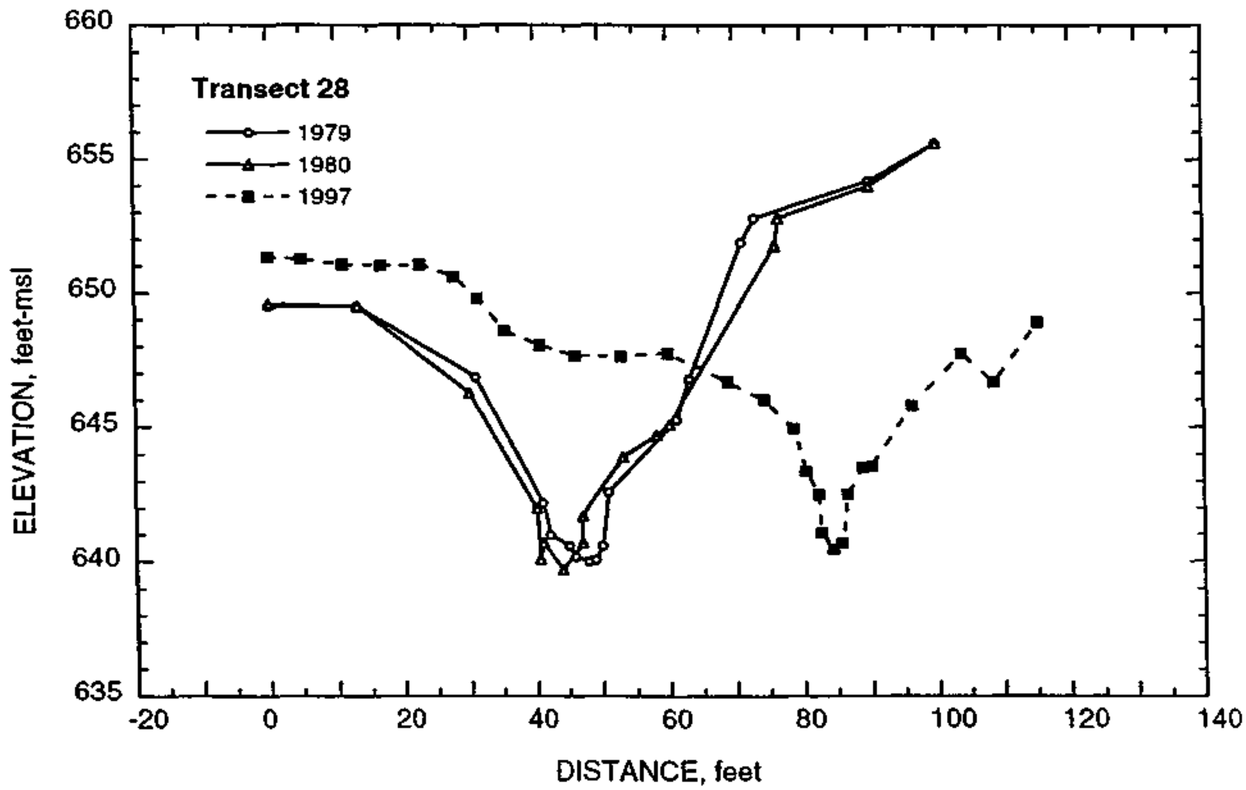

Transect 25A
1979
1980
1997
ELEVATION, feet-msl
DISTANCE, feet
645
640
635
630
-20
0
20
40
60
80
100
120
140

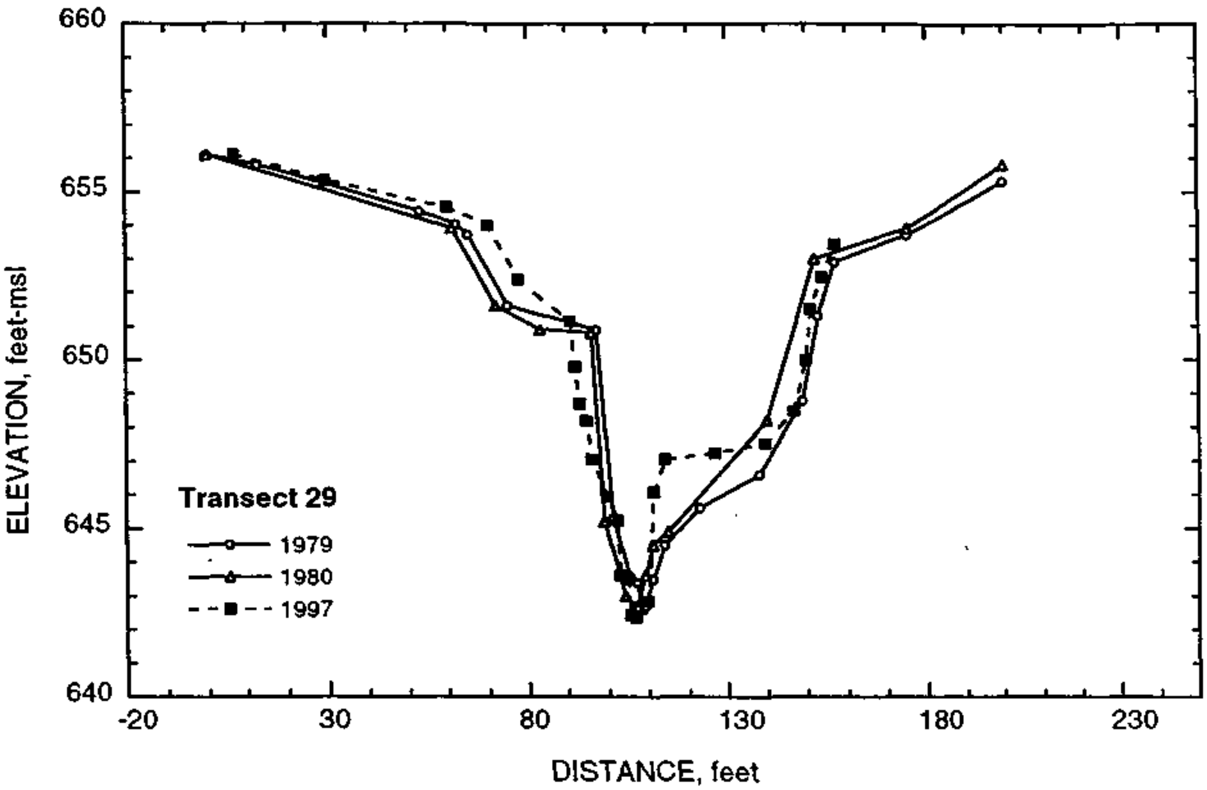

Transect 26
1979
1980
1997
ELEVATION, feet-msl
DISTANCE, feet
645
640
635
630
625
-20
0
20
40
60
80
100
120
140

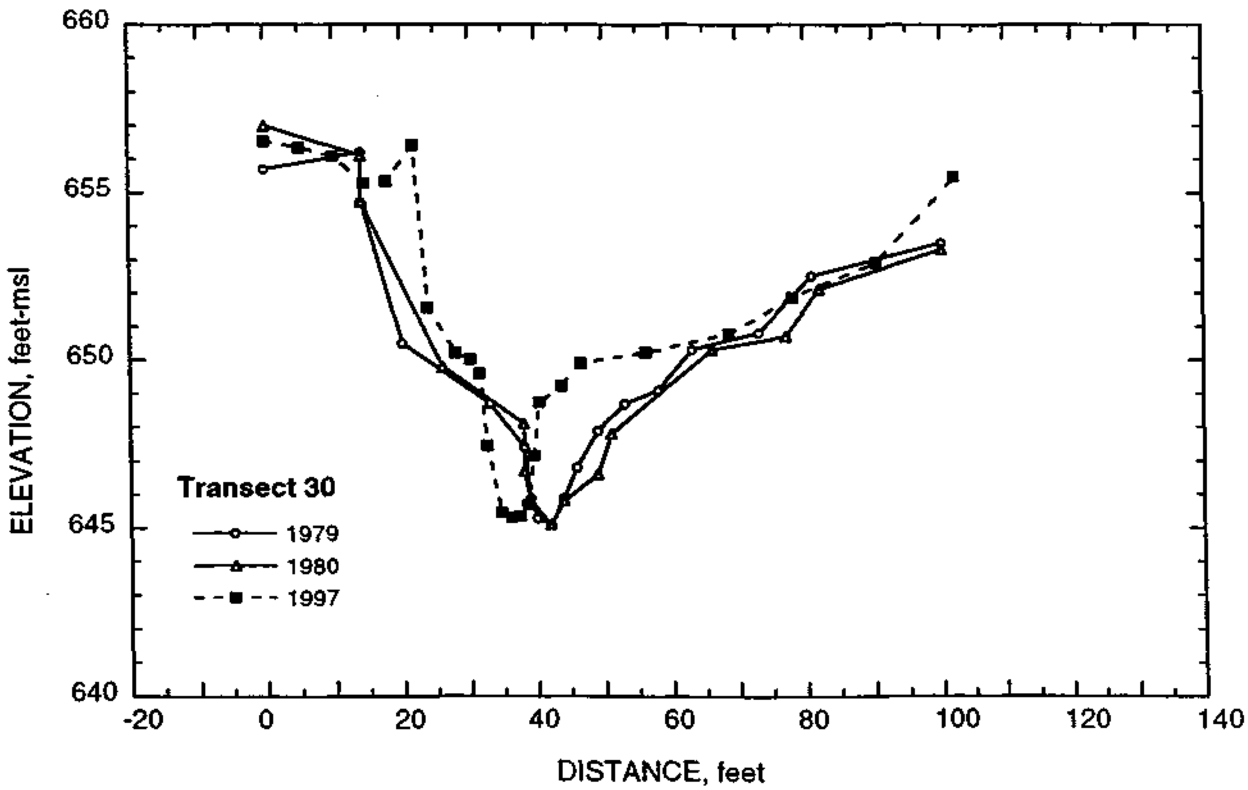

645
640
635
630
-20
0
20
40
60
80
100
120
140
ELEVATION, feet-msl
DISTANCE, feet
Transect 26A
1979
1980
1997

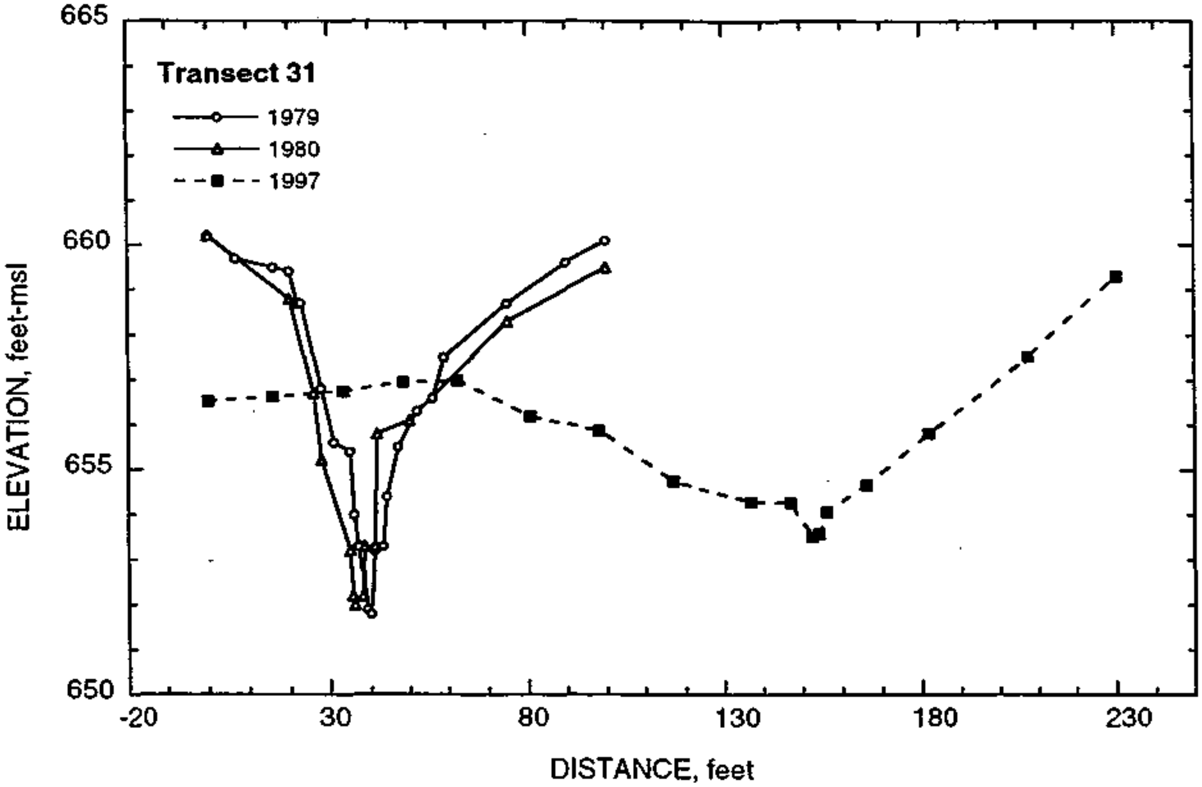

650
645
640
635
-20
30
80
130
180
ELEVATION, feet-msl
DISTANCE, feet
Transect 27
1979
1980
1997

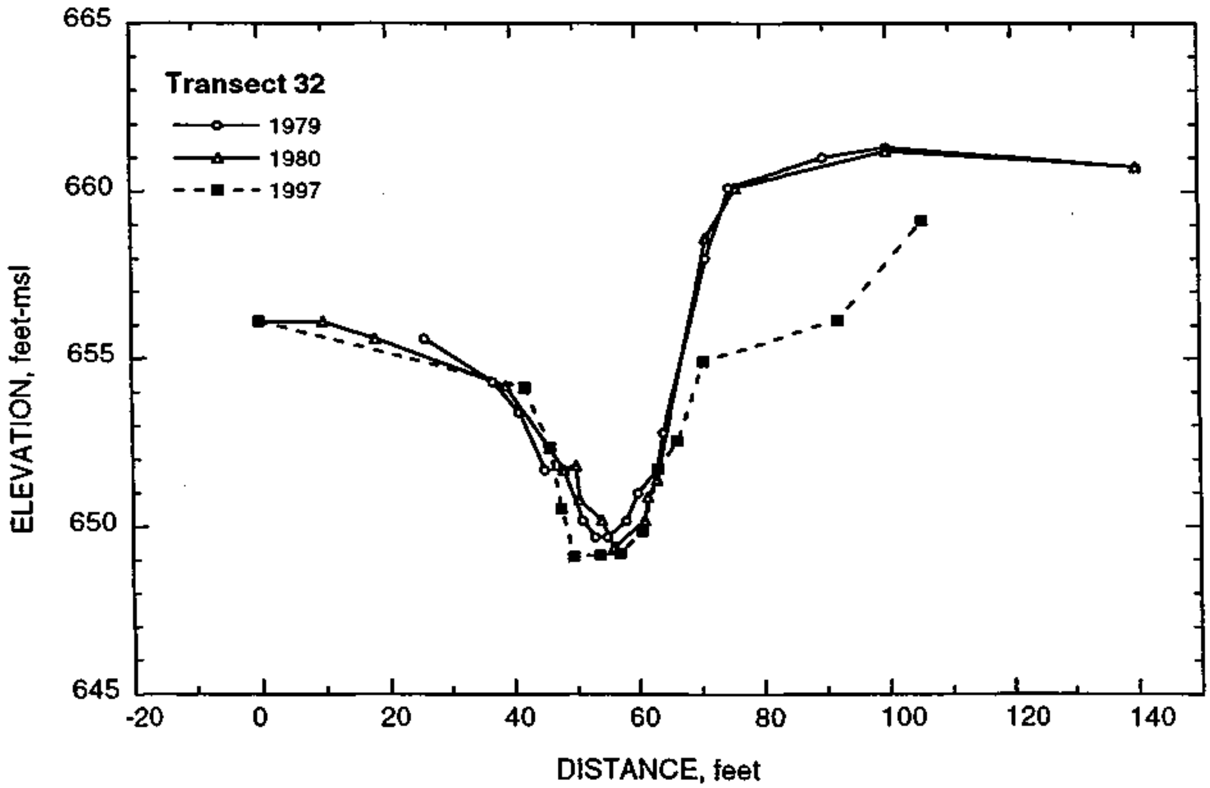

Transect 27A
1979
1980
1997
ELEVATION, feet-msl
DISTANCE, feet
650
645
640
635
-20
30
80
130
180
230

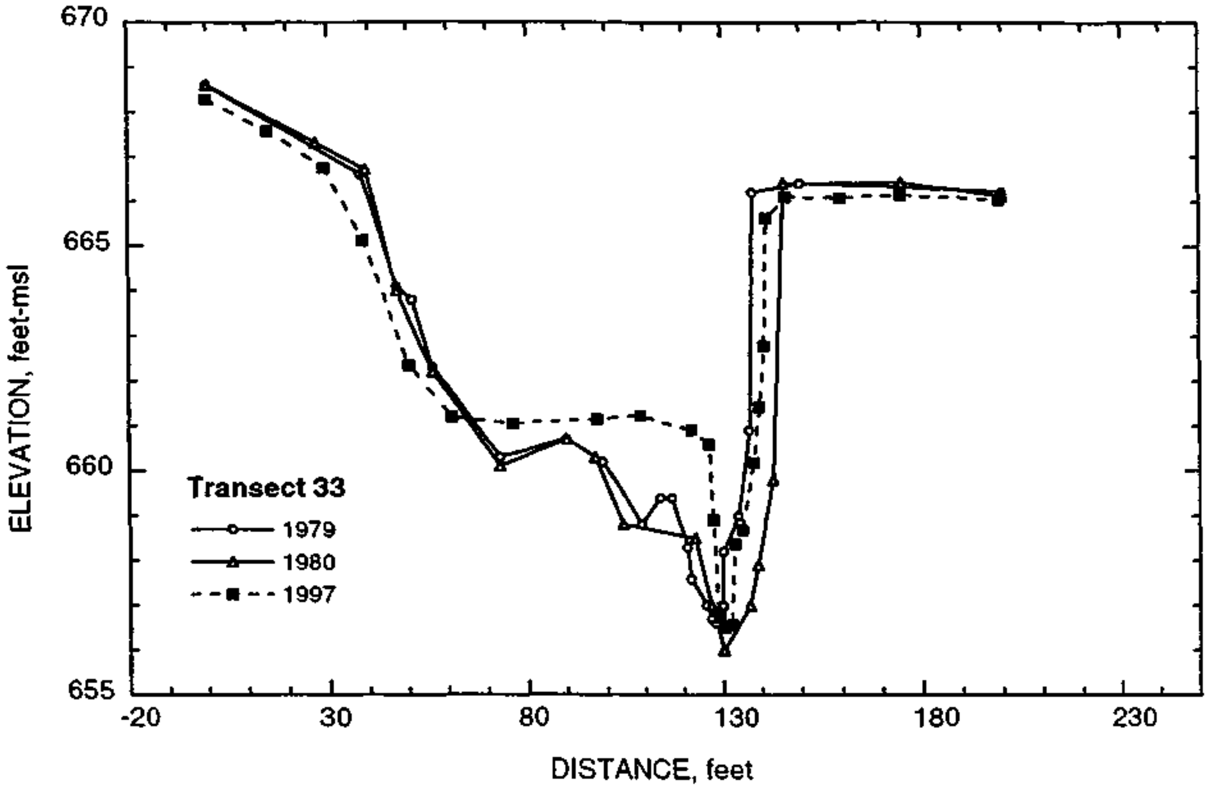

Transect 28
1979
1980
1997
ELEVATION, feet-msl
DISTANCE, feet
660
655
650
645
640
635
-20
0
20
40
60
80
100
120
140

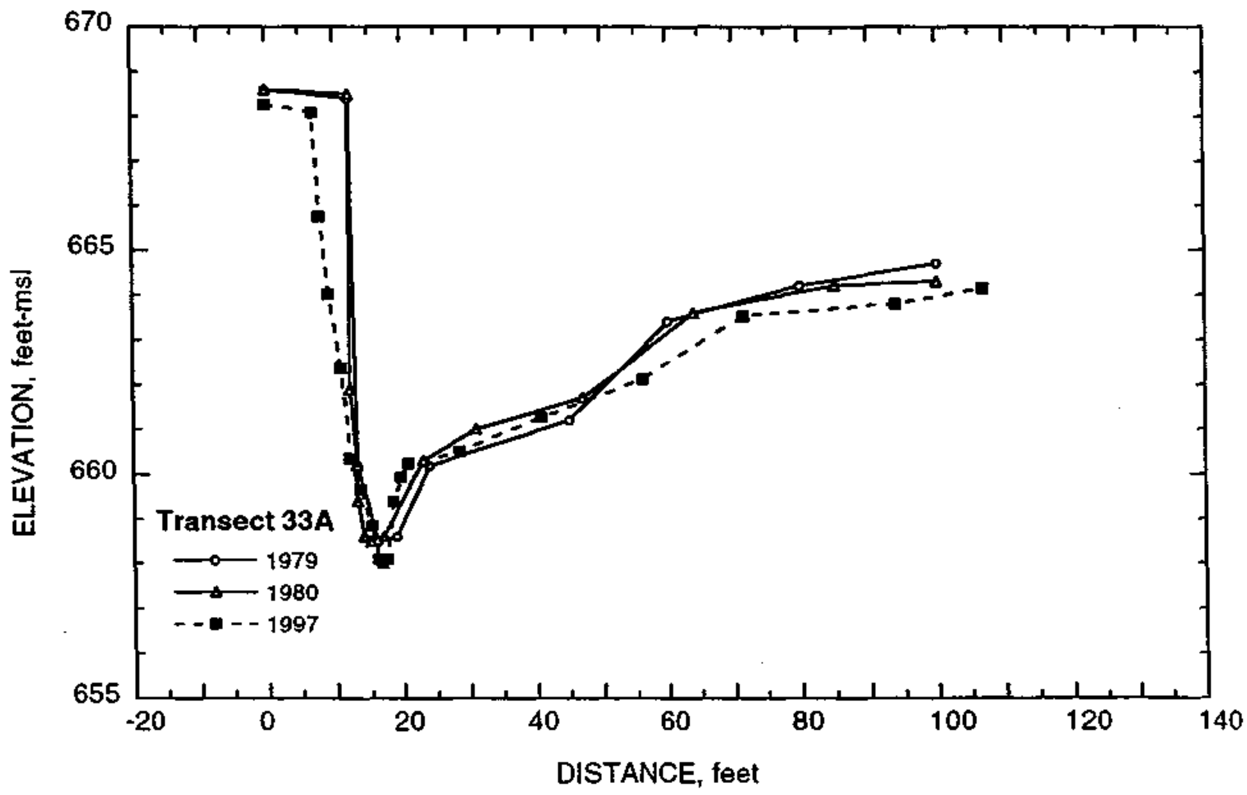

660
655
650
645
640
ELEVATION, feet-msl
-20
30
80
130
180
230
DISTANCE, feet
Transect 29
1979
1980
1997

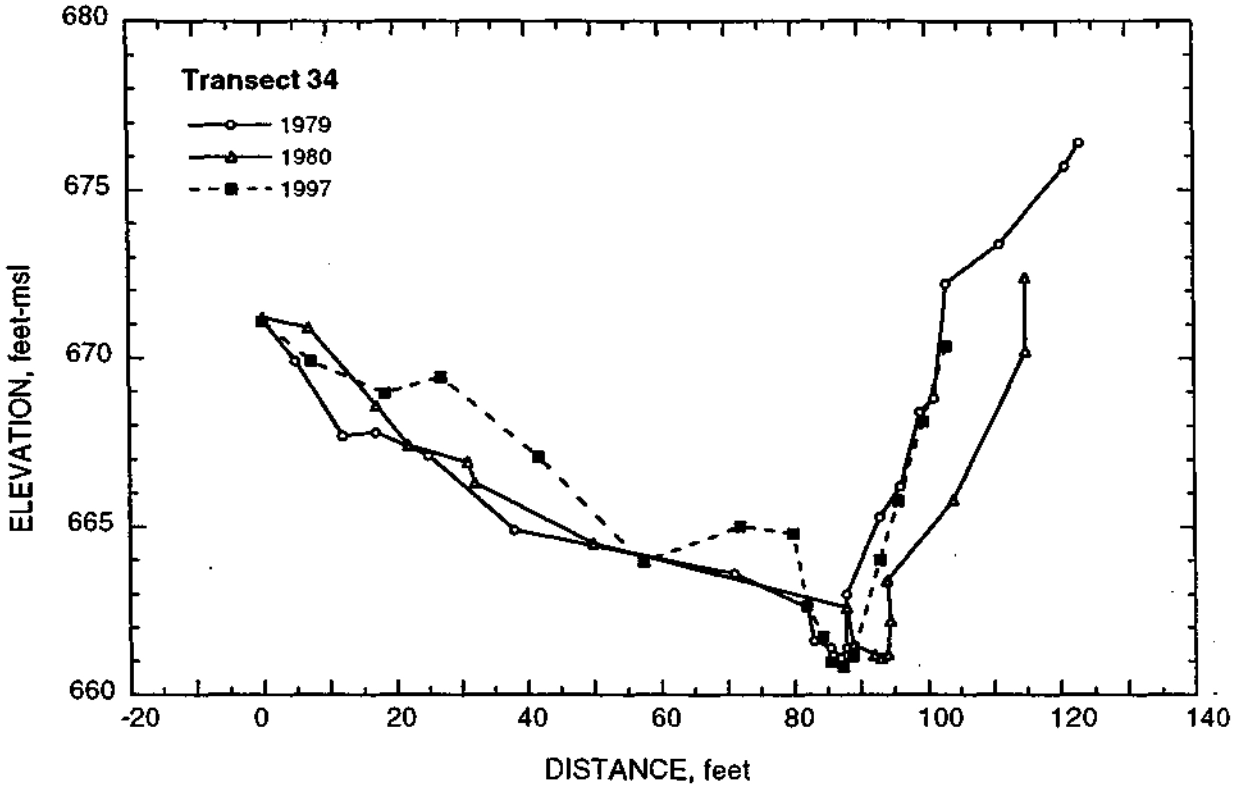

660
655
650
645
640
ELEVATION, feet-msl
-20
0
20
40
60
80
100
120
140
DISTANCE, feet
Transect 30
1979
1980
1997

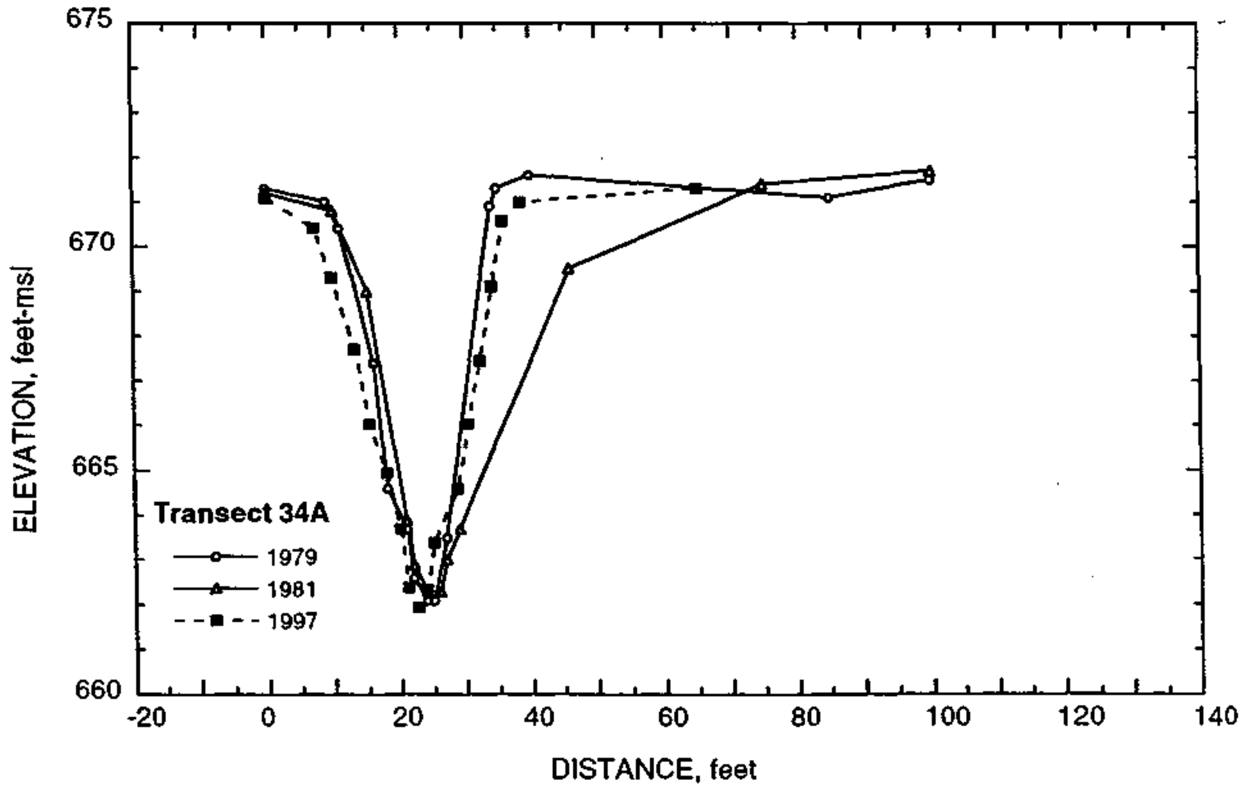

665
660
655
650
-20
30
80
130
180
230
ELEVATION, feet-msl
DISTANCE, feet
Transect 31
1979
1980
1997

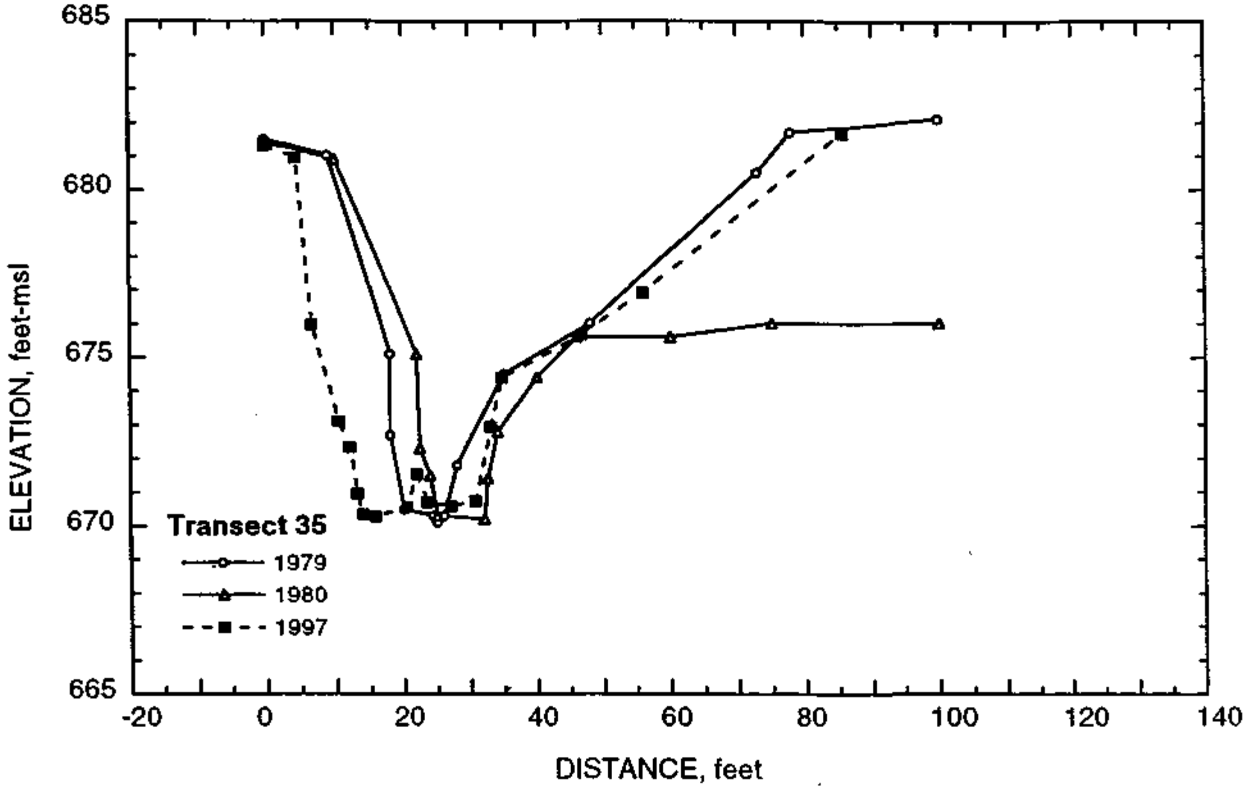

665
660
655
650
645
-20
0
20
40
60
80
100
120
140
ELEVATION, feet-msl
DISTANCE, feet
Transect 32
1979
1980
1997

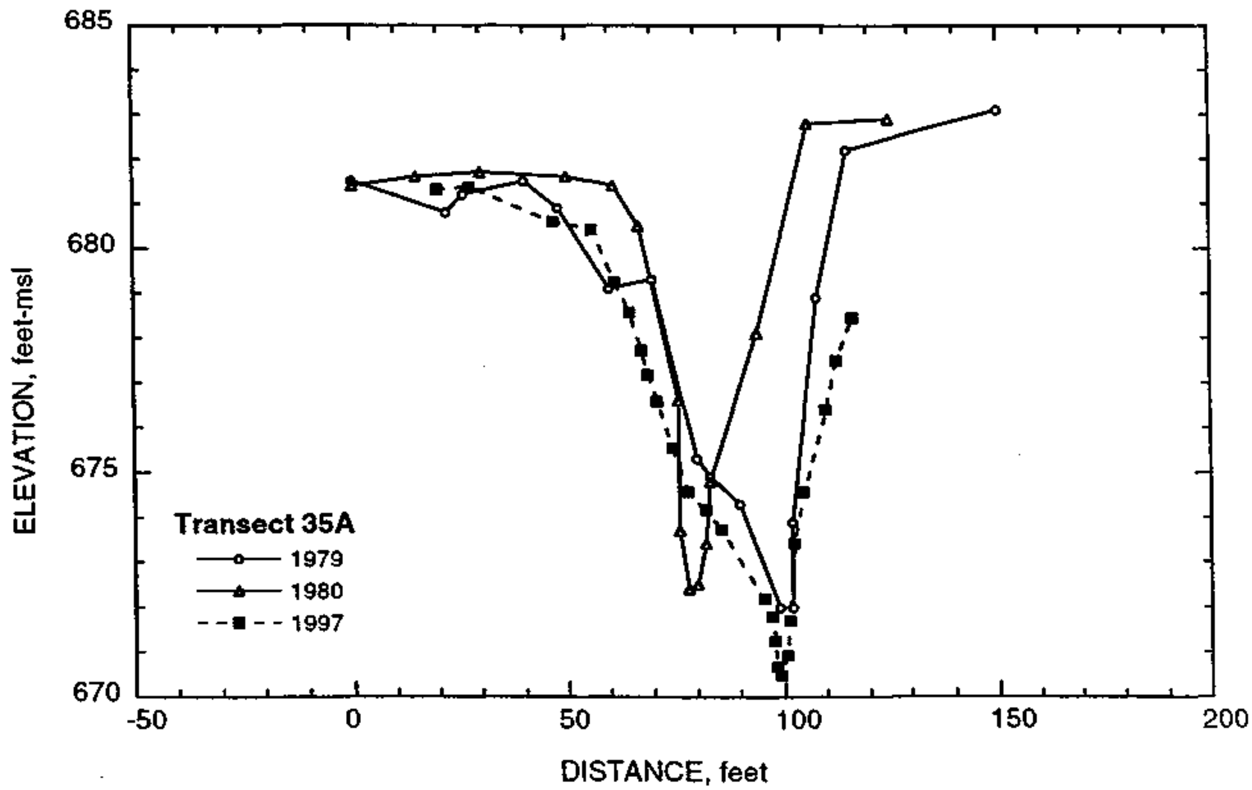

670
665
660
655
-20
30
80
130
180
230
ELEVATION, feet-msl
DISTANCE, feet
Transect 33
1979
1980
1997

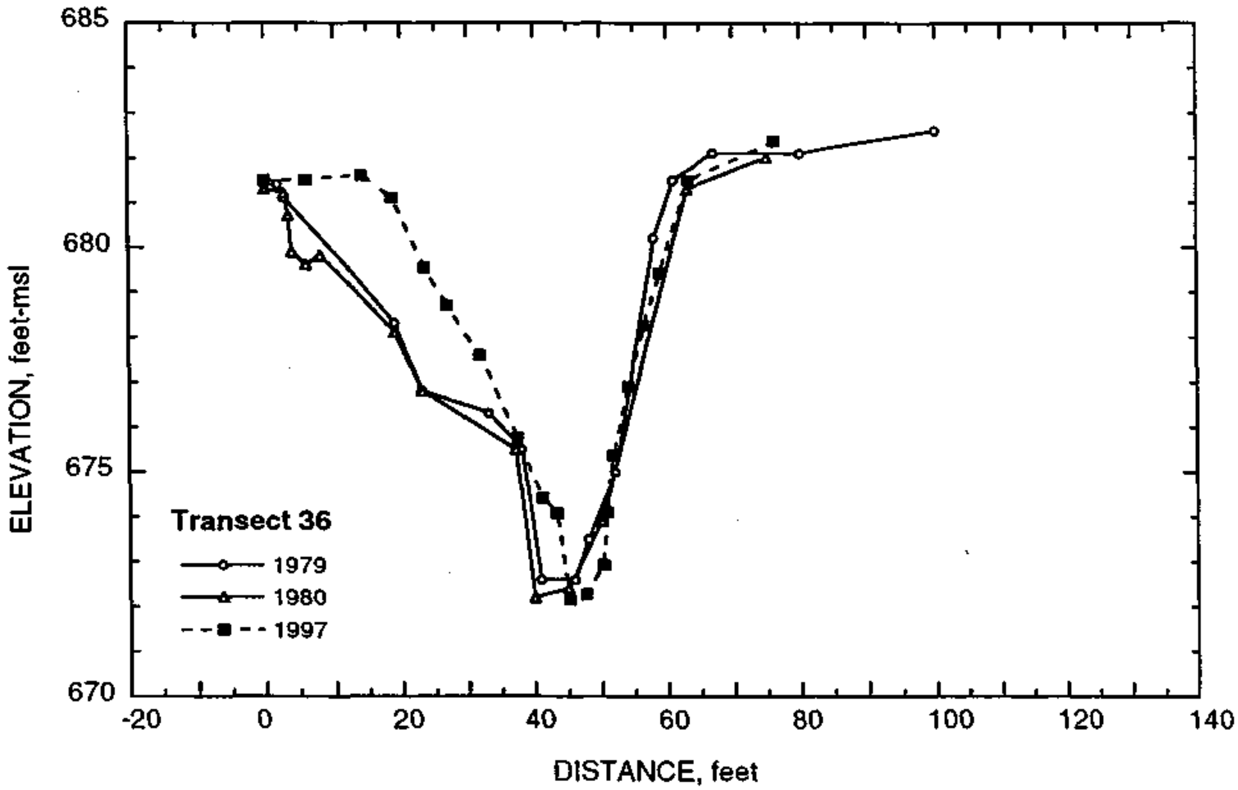

670
665
660
655
-20
0
20
40
60
80
100
120
140
ELEVATION, feet-msl
DISTANCE, feet
Transect 33A
1979
1980
1997

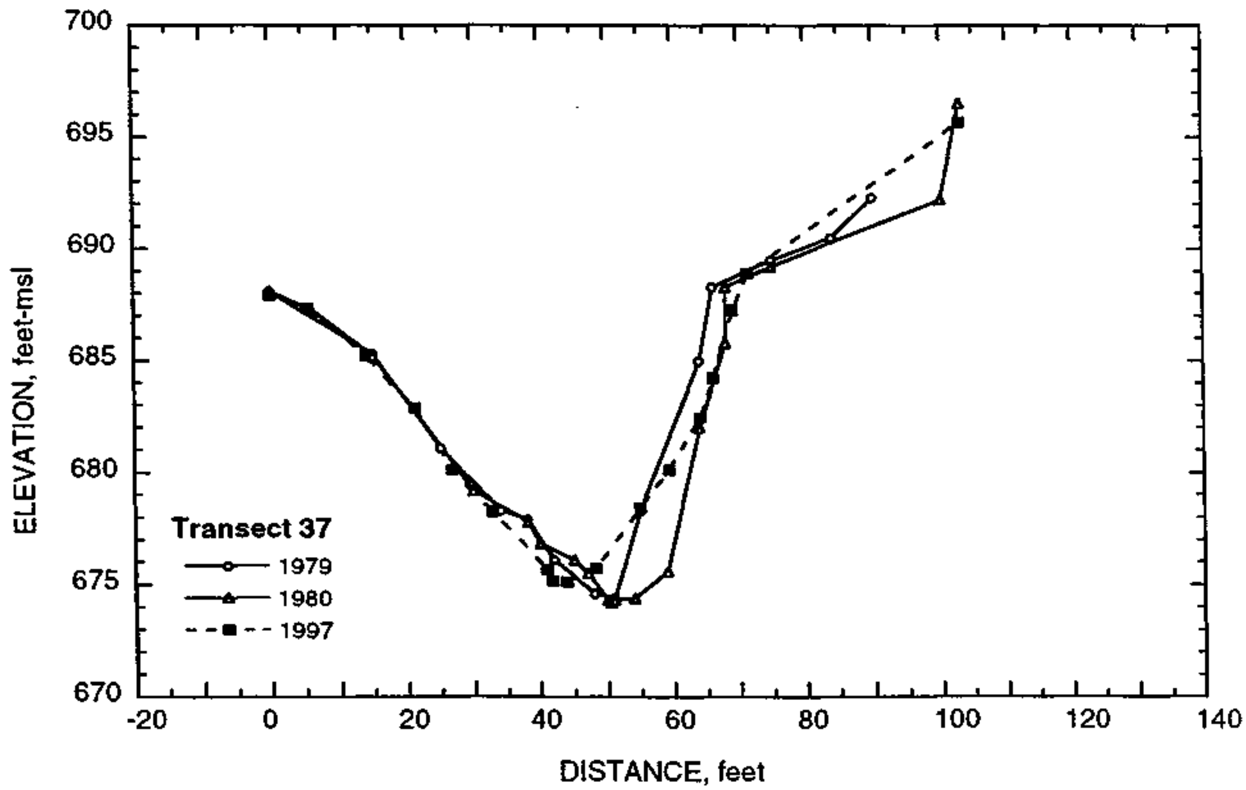

Transect 34
1979
1980
1997
ELEVATION, feet-msl
680
675
670
665
660
DISTANCE, feet
-20
0
20
40
60
80
100
120
140

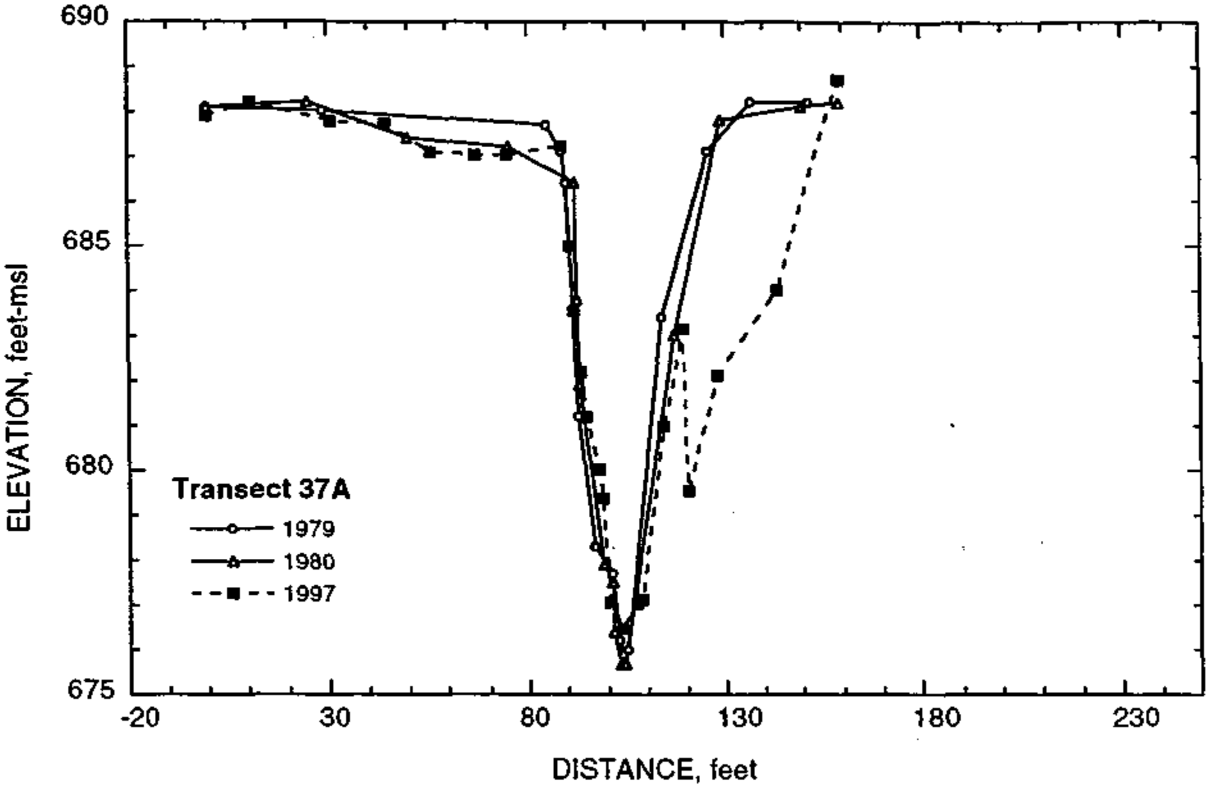

Transect 34A
1979
1981
1997
ELEVATION, feet-msl
675
670
665
660
DISTANCE, feet
-20
0
20
40
60
80
100
120
140


685
680
675
670
665
-20
0
20
40
60
80
100
120
140
ELEVATION, feet-msl
DISTANCE, feet
Transect 35
1979
1980
1997

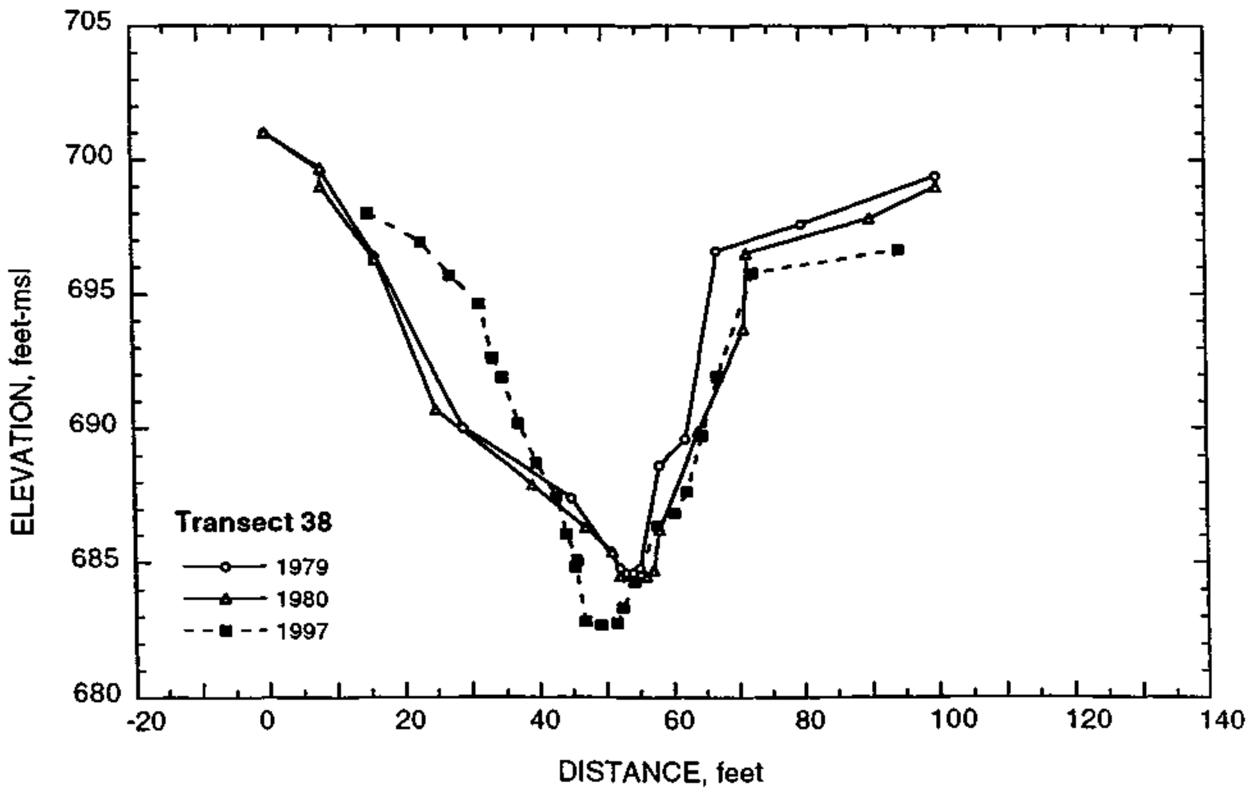

685
680
675
670
-50
0
50
100
150
200
ELEVATION, feet-msl
DISTANCE, feet
Transect 35A
1979
1980
1997


Transect 36
1979
1980
1997
ELEVATION, feet-msl
DISTANCE, feet
685
680
675
670
-20
0
20
40
60
80
100
120
140

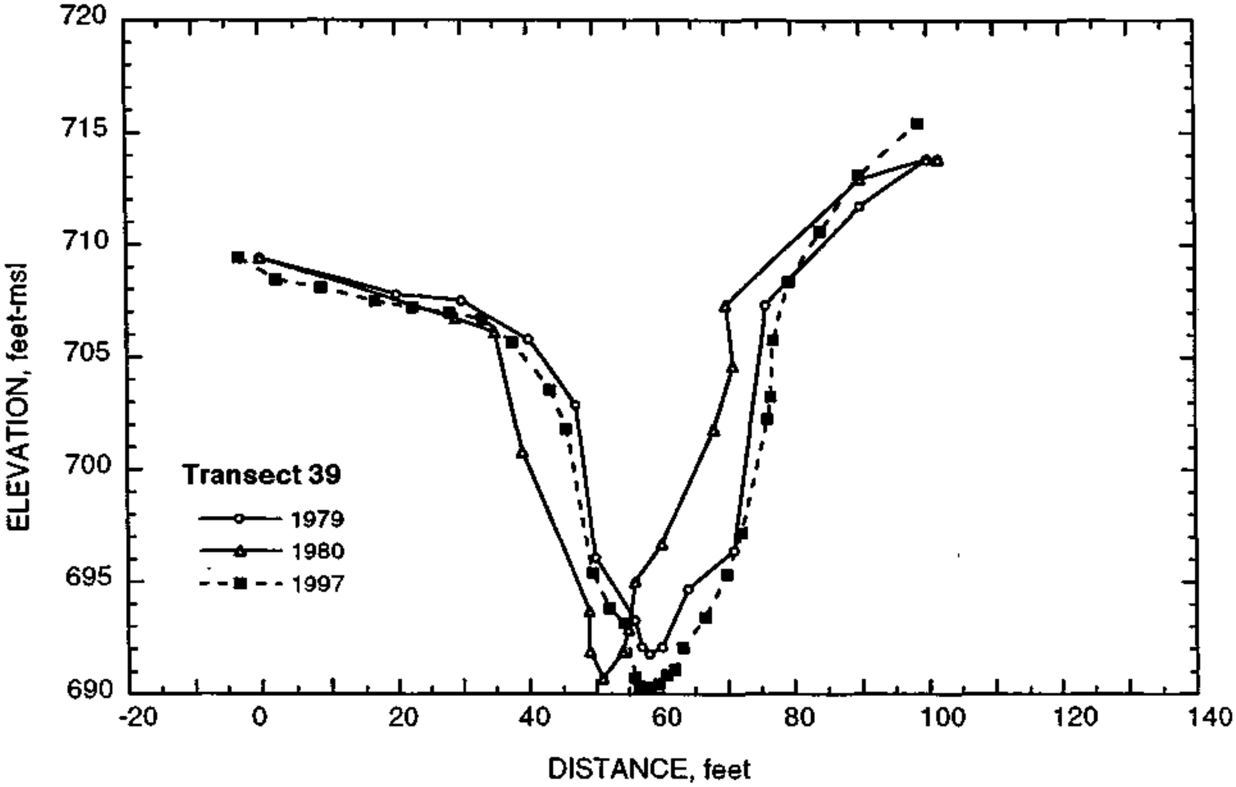

Transect 37
1979
1980
1997
ELEVATION, feet-msl
DISTANCE, feet
700
695
690
685
680
675
670
-20
0
20
40
60
80
100
120
140

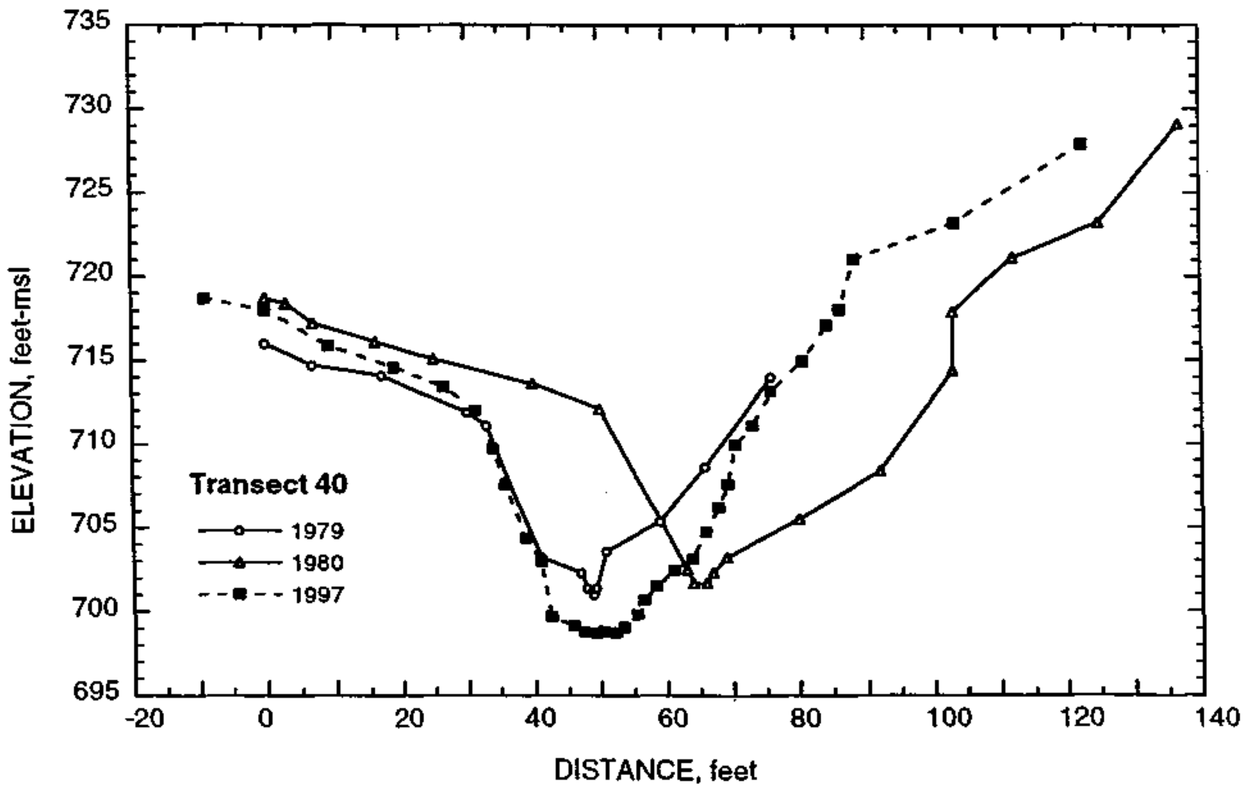


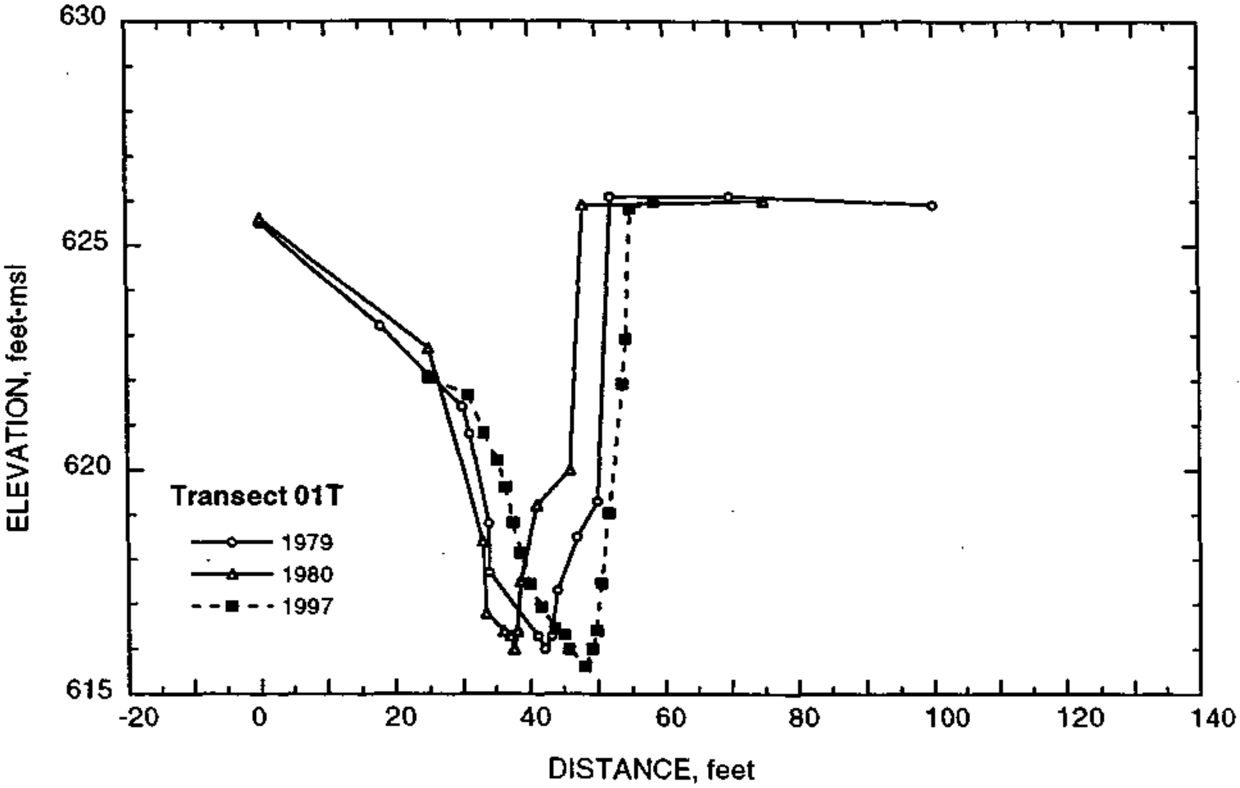
690
685
680
675
ELEVATION, feet-msl
-20
30
80
130
180
230
DISTANCE, feet
Transect 37A
1979
1980
1997



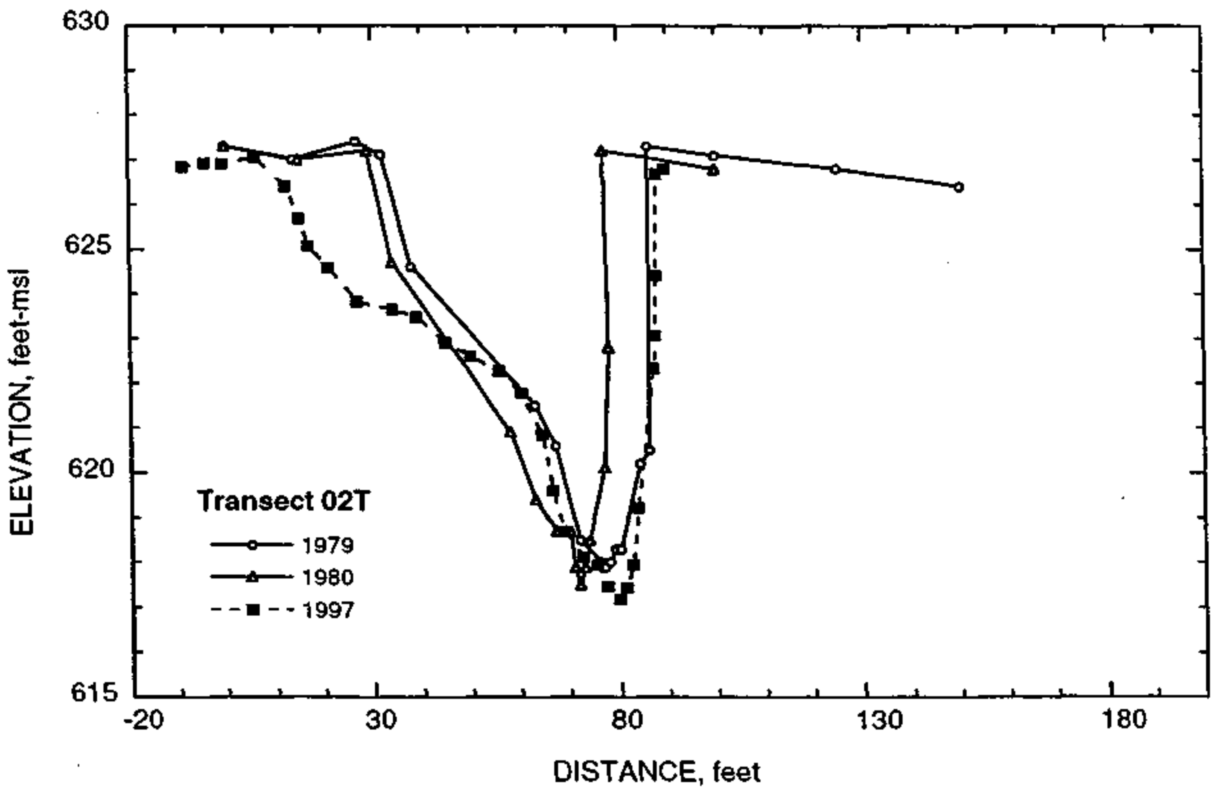
705
700
695
690
685
680
ELEVATION, feet-msl
-20
0
20
40
60
80
100
120
140
DISTANCE, feet
Transect 38
1979
1980
1997


720
715
710
705
700
695
690
-20
0
20
40
60
80
100
120
140
ELEVATION, feet-msl
DISTANCE, feet
Transect 39
1979
1980
1997

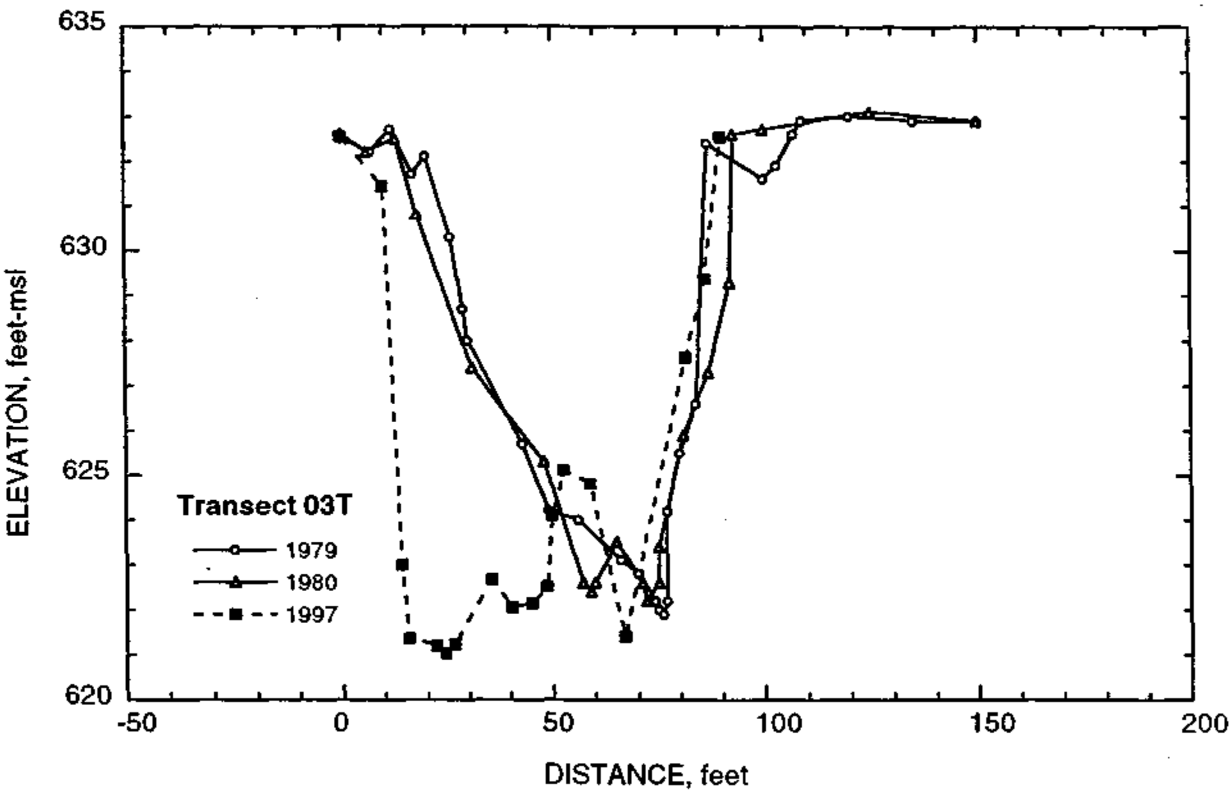

735
730
725
720
715
710
705
700
695
-20
0
20
40
60
80
100
120
140
ELEVATION, feet-msl
DISTANCE, feet
Transect 40
1979
1980
1997



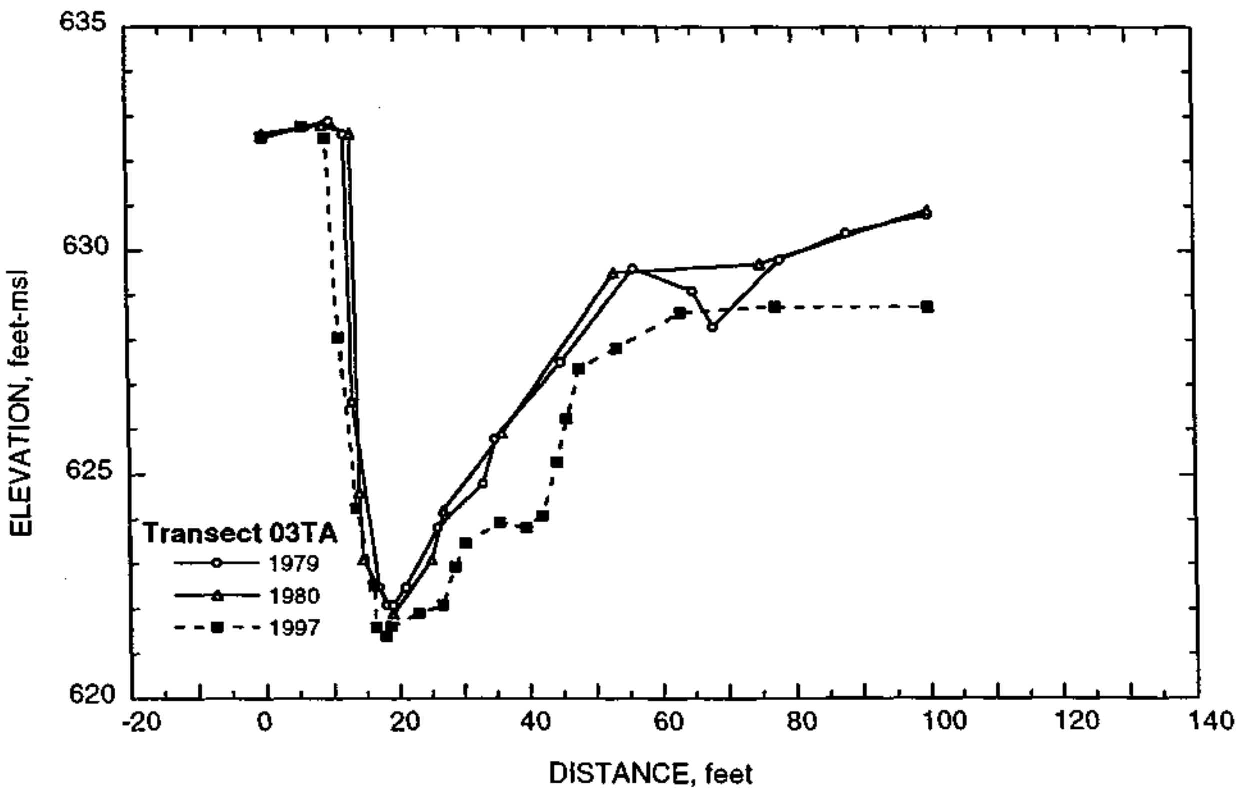
630
625
620
615
ELEVATION, feet-msl
Transect 01T
1979
1980
1997
-20
0
20
40
60
80
100
120
140
DISTANCE, feet



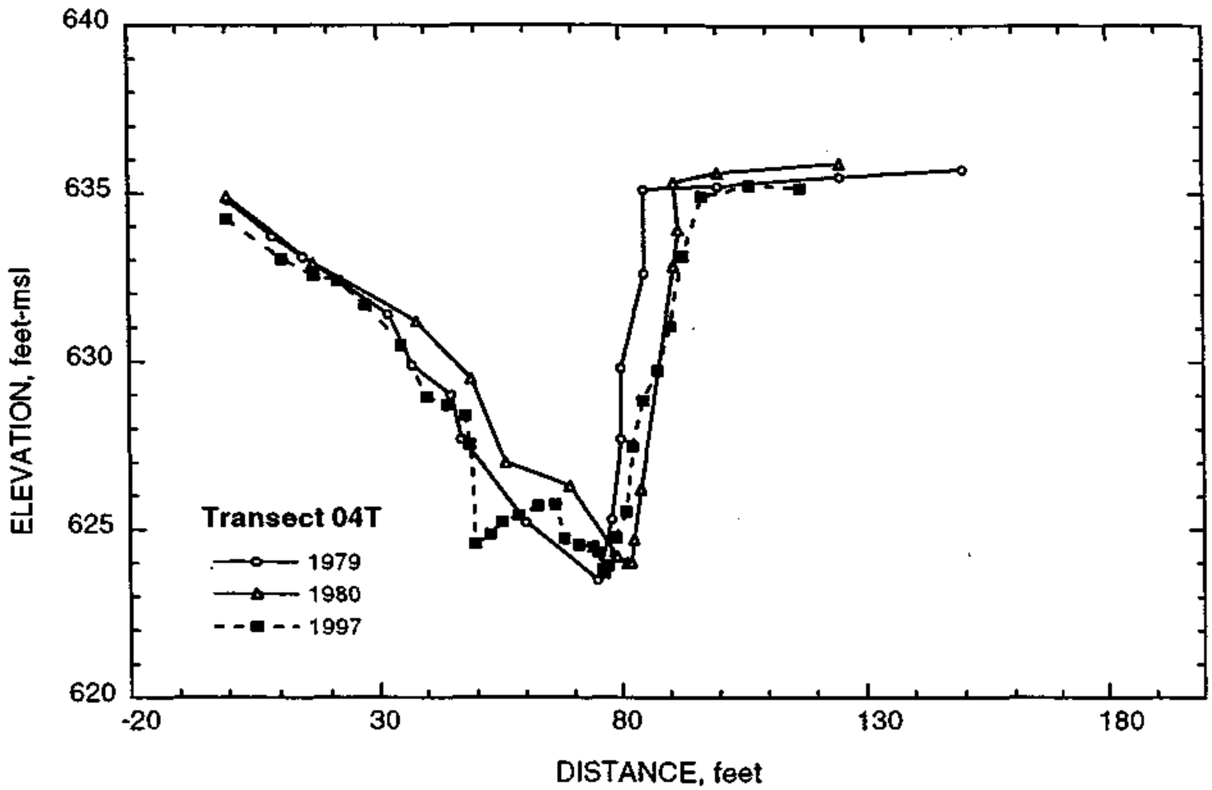
630
625
620
615
ELEVATION, feet-msl
Transect 02T
1979
1980
1997
-20
30
80
130
180
DISTANCE, feet



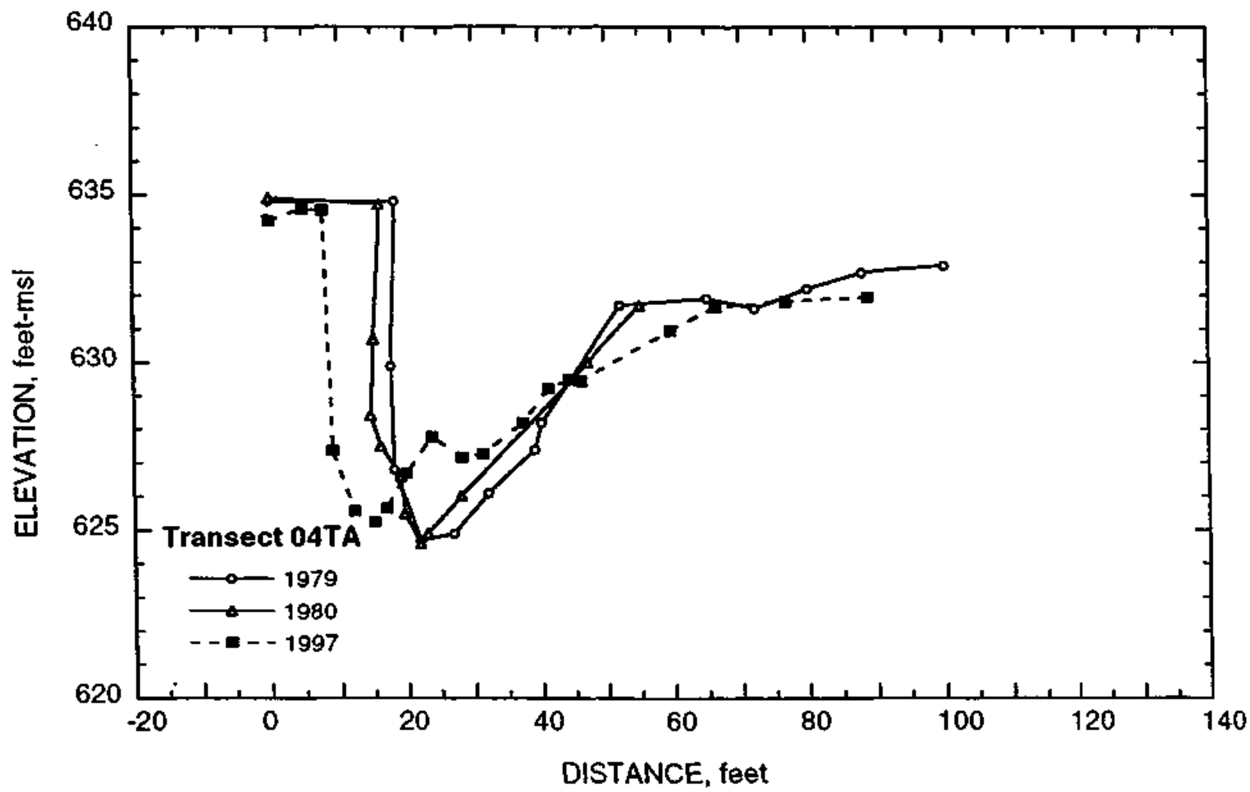
Transect 03T
1979
1980
1997
ELEVATION, feet-msl
DISTANCE, feet
635
630
625
620
-50
0
50
100
150
200



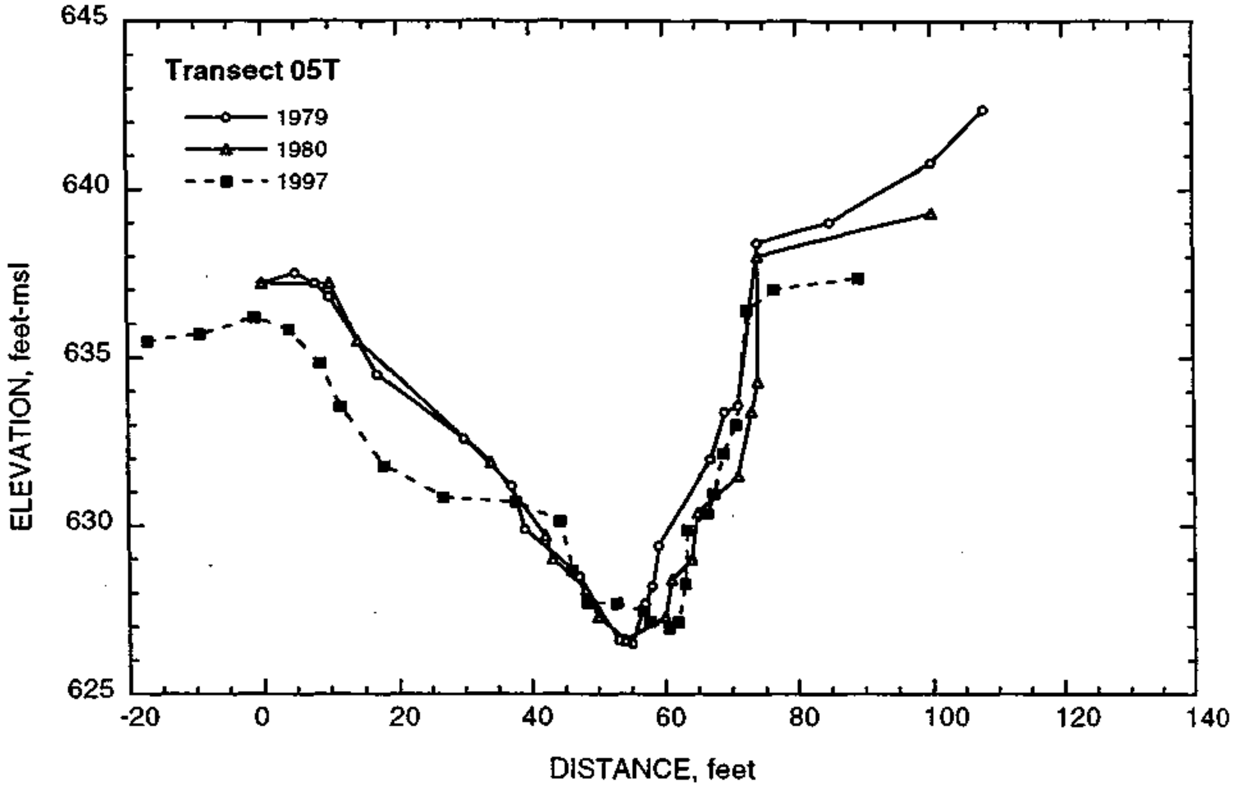
Transect 03TA
1979
1980
1997
ELEVATION, feet-msl
DISTANCE, feet
635
630
625
620
-20
0
20
40
60
80
100
120
140

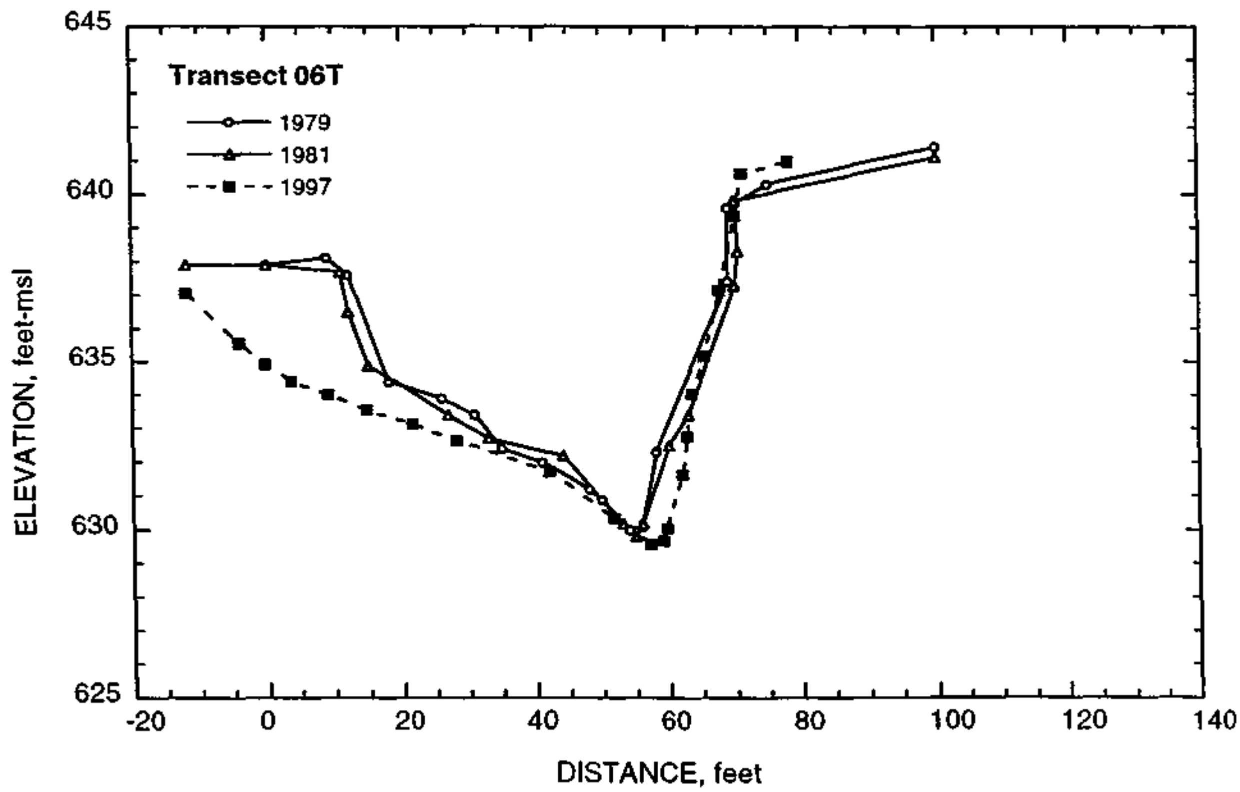


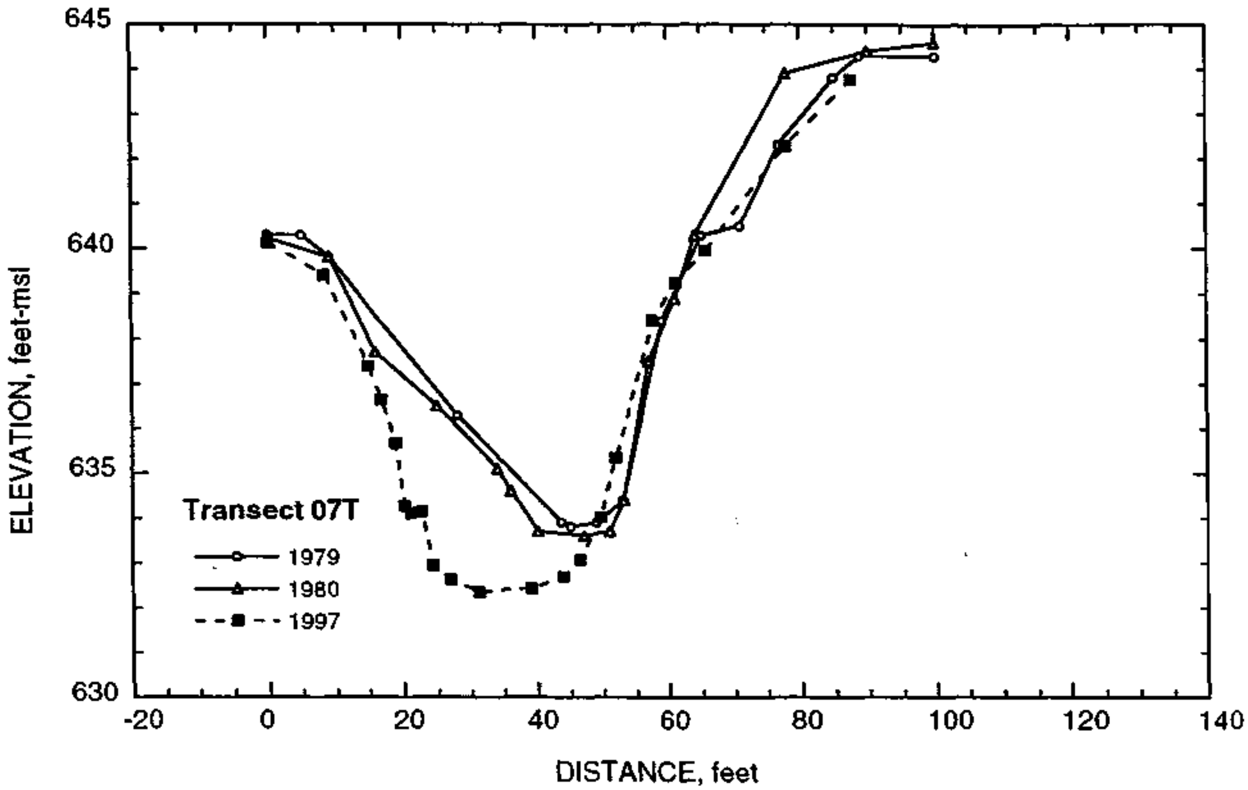
640
635
630
625
620
ELEVATION, feet-msl
-20
30
80
130
180
DISTANCE, feet
Transcect 04T
1979
1980
1997



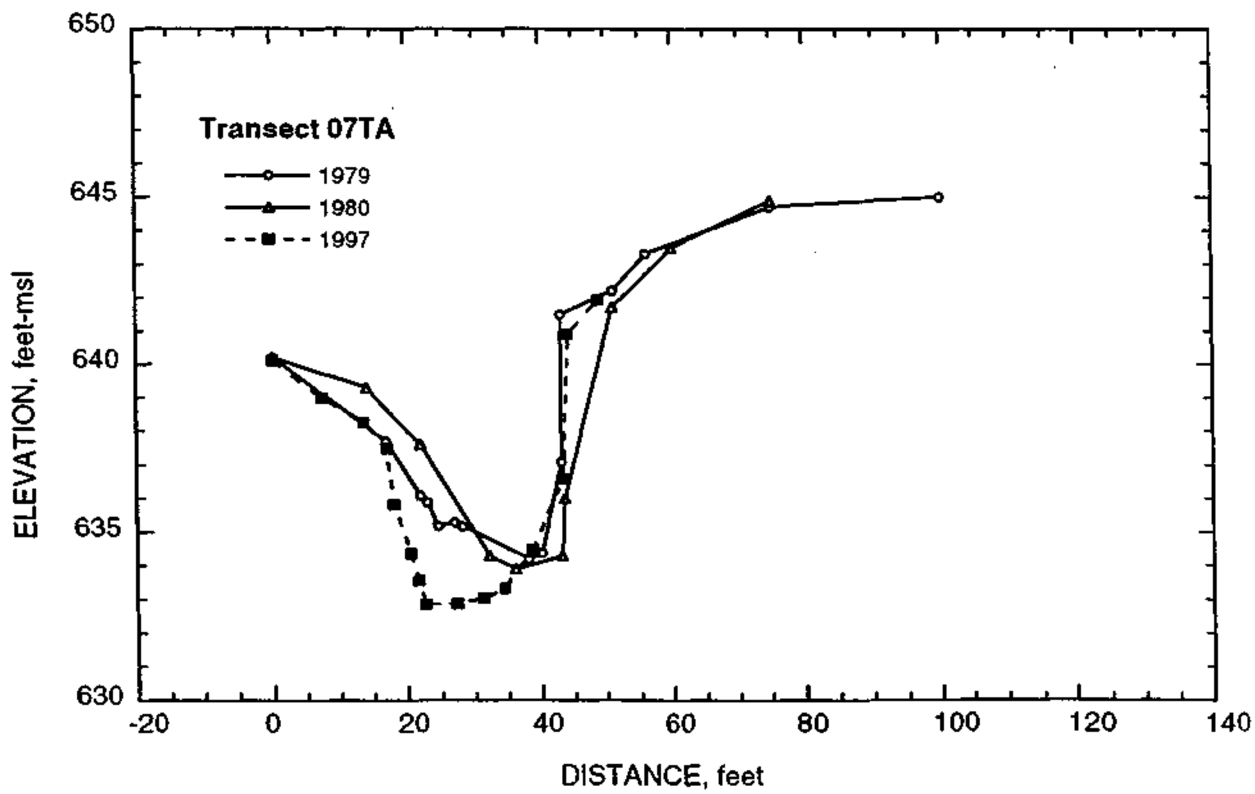
640
635
630
625
620
ELEVATION, feet-msl
-20
0
20
40
60
80
100
120
140
DISTANCE, feet
Transect 04TA
1979
1980
1997


Transect 05T
1979
1980
1997
ELEVATION, feet-msl
645
640
635
630
625
-20
0
20
40
60
80
100
120
140
DISTANCE, feet

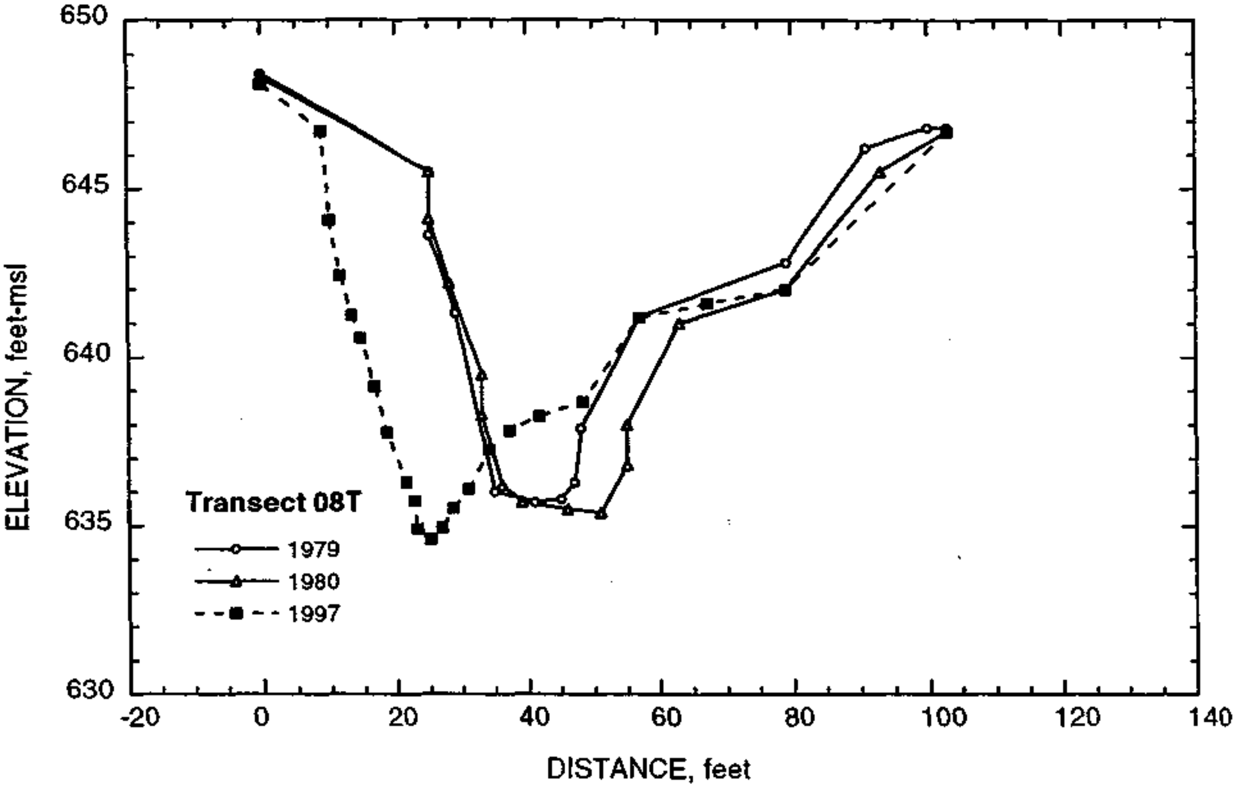

Transect 06T
1979
1981
1997
ELEVATION, feet-msl
645
640
635
630
625
-20
0
20
40
60
80
100
120
140
DISTANCE, feet



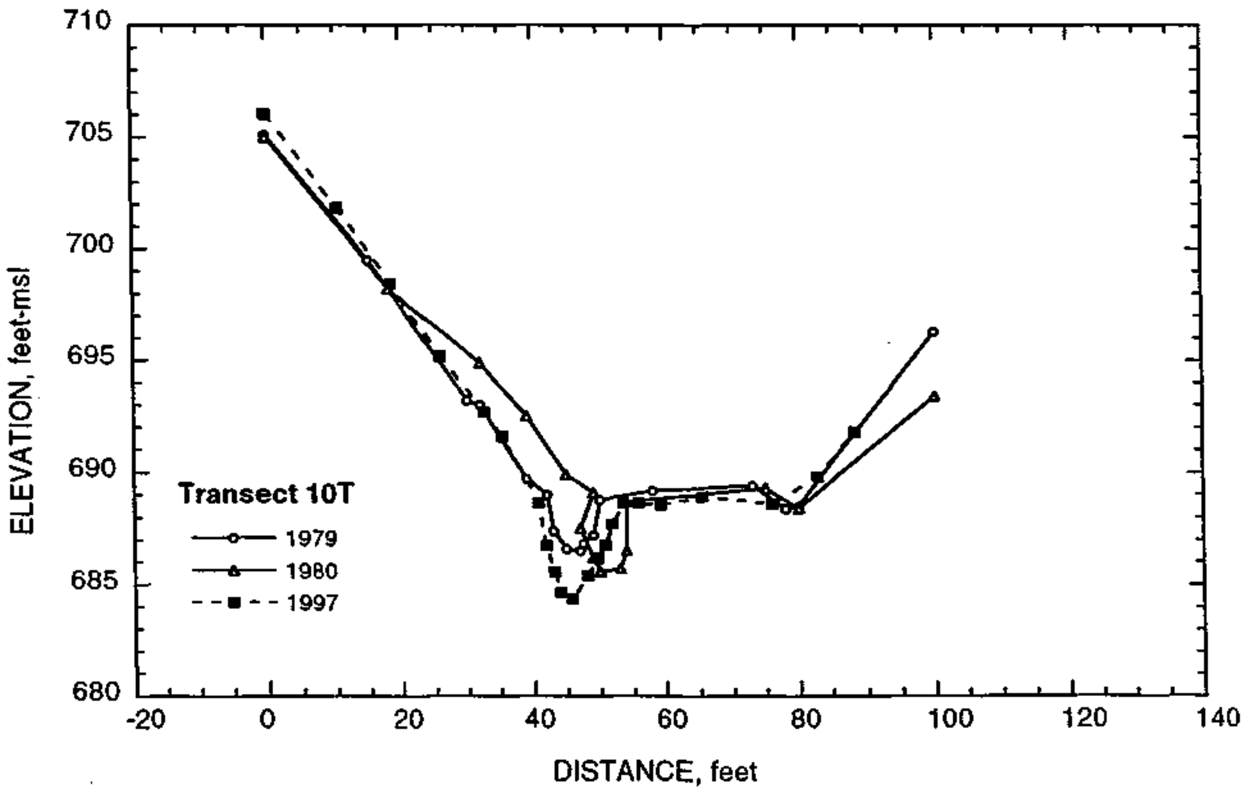
645
640
635
630
-20
0
20
40
60
80
100
120
140
DISTANCE, feet
ELEVATION, feet-msl
Transect 07T
1979
1980
1997



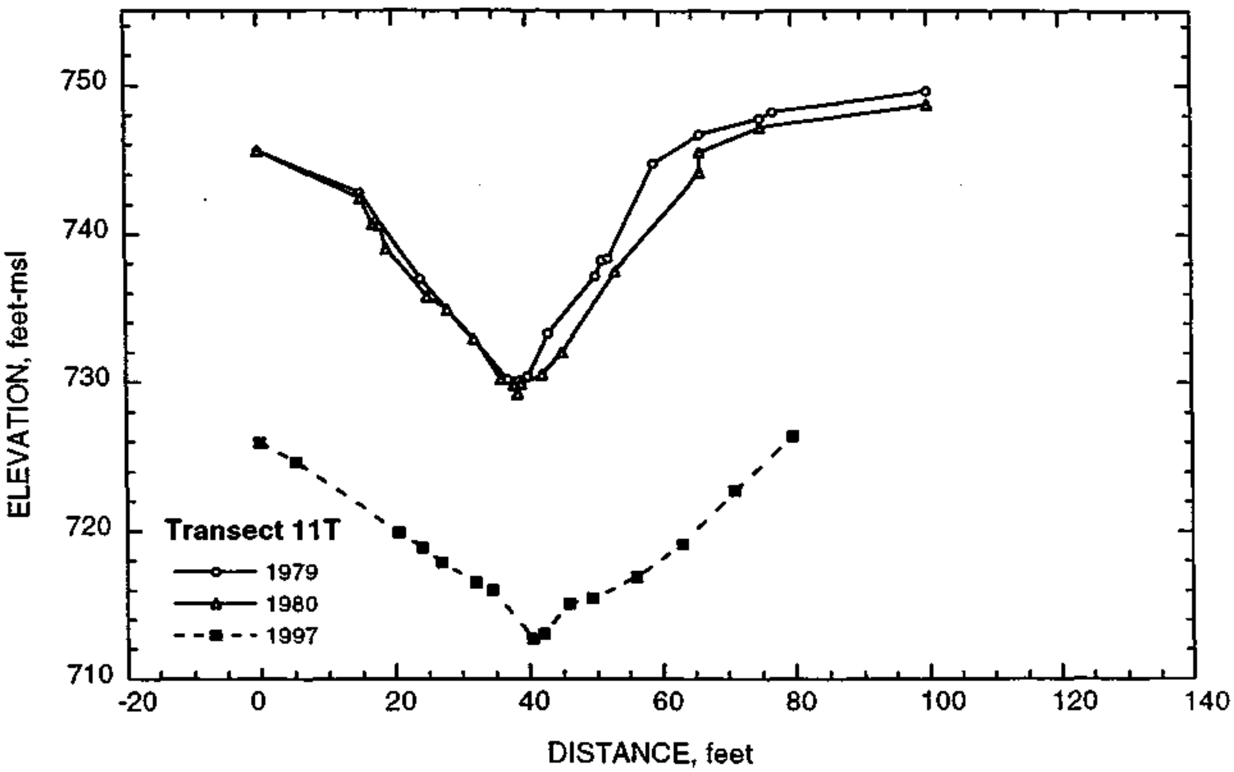
650
645
640
635
630
-20
0
20
40
60
80
100
120
140
DISTANCE, feet
ELEVATION, feet-msl
Transect 07TA
1979
1980
1997



Transect 08T
1979
1980
1997
ELEVATION, feet-msl
DISTANCE, feet
650
645
640
635
630
-20
0
20
40
60
80
100
120
140

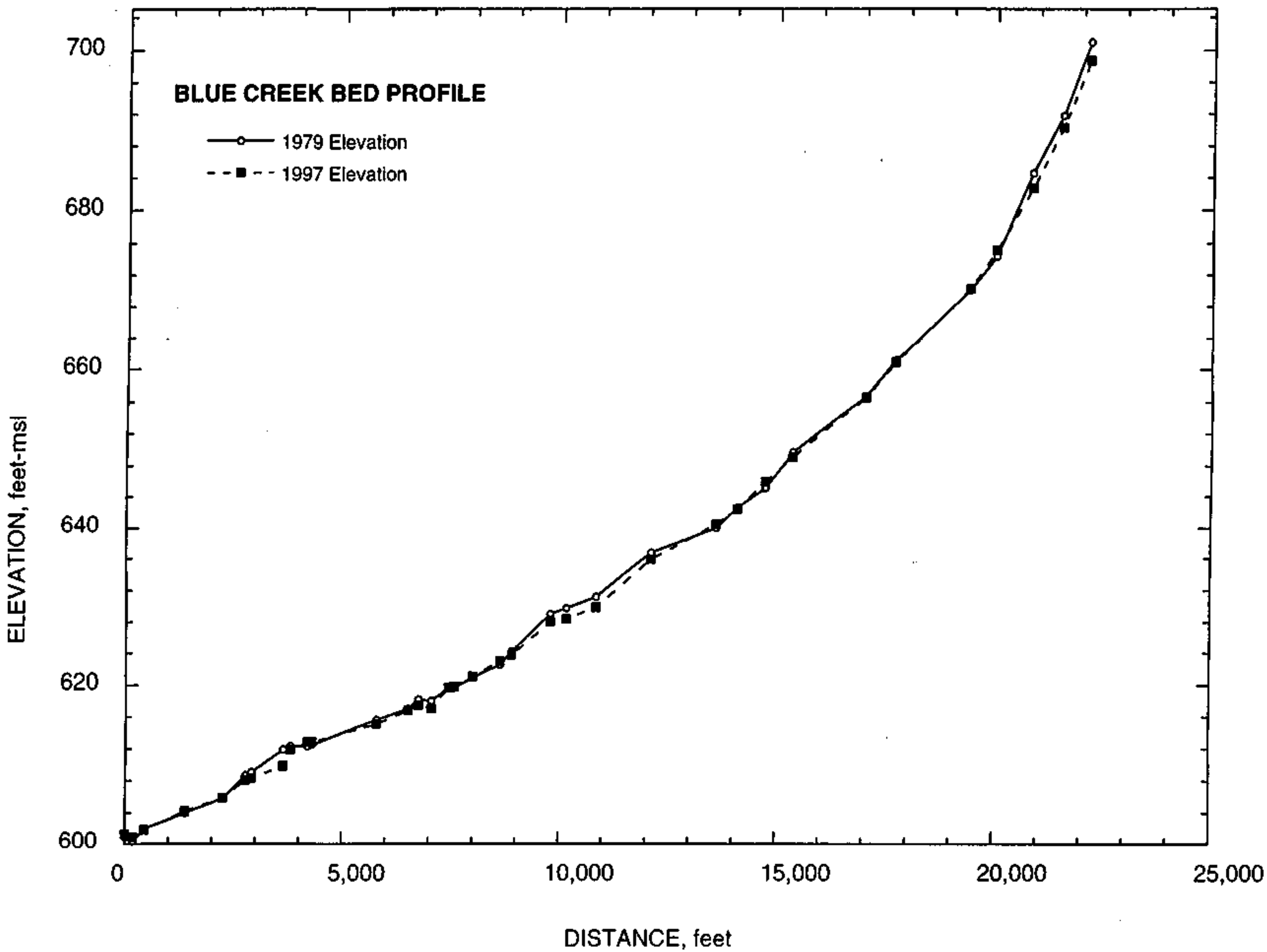


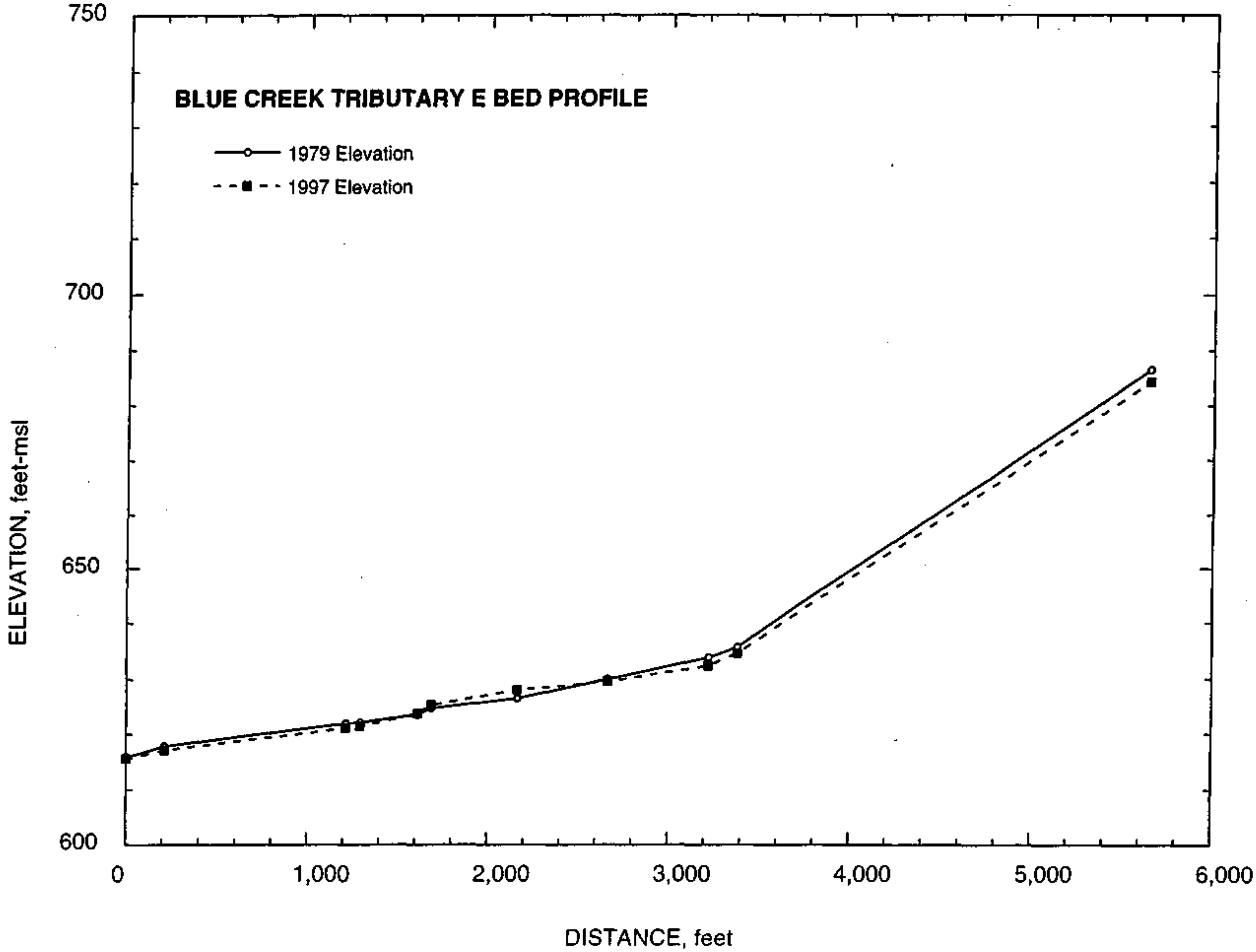
Transect 10T
1979
1980
1997
ELEVATION, feet-msl
DISTANCE, feet
710
705
700
695
690
685
680
-20
0
20
40
60
80
100
120
140



ELEVATION, feet-msl
750
740
730
720
710
-20
0
20
40
60
80
100
120
140
DISTANCE, feet
Transect 11T
1979
1980
1997

The following graphs show streambed profiles of Blue Creek and Tributary E in Lake Pittsfield watershed along locations of transect surveys.


BLUE CREEK BED PROFILE
1979 Elevation
1997 Elevation
ELEVATION, feet-msl
DISTANCE, feet
700
680
660
640
620
600
0
5,000
10,000
15,000
20,000
25,000


BLUE CREEK TRIBUTARY E BED PROFILE
1979 Elevation
1997 Elevation
750
700
650
600
0
1,000
2,000
3,000
4,000
5,000
6,000
ELEVATION, feet-msl
DISTANCE, feet

APPENDIX B

AGNPS-ARC/INFO Model Input Data for Lake Pittsfield Watershed

Following is a list of AGNPS parameters and their definitions.

ASPECT-Flow direction of each cell with values from 1 (north) to 8 (northwest).

C-Universal Soil Loss Equation cropping management constant (0 to 0.99).

CHANNEL-Channel indicator, indicating whether or not a cell is a water cell, where Water=0.

CN-Curve number, based on land-use type and soils hydrologic group (HYG).

COD-Chemical oxygen demand (0 to 170).

COMPAS-A field defined in the fishnet for labeling the legend with the corresponding compass direction based on an aspect of 1-8.

CROP-Defines the crop type in agricultural land-use areas.

DIVISION-Receiving cell division, the number if the divided cell that receives the most significant portion of the runoff from the above cell. Each division cell is one quarter of the area of its base cell.

FL-Fertilizer level (0 to 4).

HYG-Soil hydrologic group, related to texture (1-A to 4-D).

K-Soil erodibility factor, from Universal Soil Loss Equation, obtained from SCS soil data [0.15(sandy) to 0.43(highly erosive) in Illinois].

LANDUSE-Defines the land-use type.

LENSLP-Length of overland portion of flow from the top of the slope to the point where the flow becomes concentrated.

LS-Universal Soil Loss Equation slope-length factor.

N-Manning roughness coefficient (0 to 0.99).

P-Conservation practice factor, defined as the ratio of soil loss with a specific support practice to the corresponding loss with up-and-down slope culture (0 to 1.0).

PERIMETER-Perimeter of the polygon in question.

PESTCODE-Pesticide type and rate of application, defined as:
18-0 to 6
0-nonex
1 -herbicide
2-insecticide
3-fungicide
4-nematide
5-plant growth regulator
6-dessicant of defoliant

RECEIVE-The cell from which the current cell receives flow.

SLOPE-Derived from the elevation grid, which was generated from contours expressed as percent.

SLPSHAPE-Slope shape factor, where l=uniform slope, 2=convex slope, 3=concave slope.

TEXTURE-Relates to soil texture and is a single integer with values ranging from 1 (sand) to 4 (clay) with 0=water.

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
1	25600	750	0.1	225	5	4	78	0.300	0.150	1.000	0.035	0.050	170	2
2	40000	800	2.0	225	3	3	72	0.265	0.102	0.600	0.194	0.252	42	2
3	40000	800	1.0	225	4	3	78	0.335	0.104	0.600	0.035	0.310	70	2
4	40000	800	4.0	200	10	5	78	0.338	0.116	0.500	0.035	0.305	58	2
5	40000	800	4.0	200	11	5	78	0.335	0.104	0.500	0.035	0.230	120	2
6	40000	800	4.0	200	7	3	72	0.370	0.082	0.500	0.035	0.440	20	2
7	40000	800	4.0	200	8	3	72	0.370	0.082	0.500	0.035	0.440	20	2
8	40000	800	5.0	200	2	1	72	0.370	0.104	0.500	0.035	0.390	20	2
9	40000	800	5.0	200	20	4	72	0.370	0.082	0.500	0.035	0.440	20	2
10	40000	800	8.0	150	11	3	72	0.370	0.104	0.500	0.035	0.390	20	2
11	40000	800	7.0	200	21	5	58	0.347	0.102	0.000	0.032	0.213	80	2
12	40000	800	9.0	150	13	3	78	0.357	0.075	0.600	0.025	0.030	125	2
13	40000	800	7.0	200	14	3	78	0.360	0.078	0.500	0.034	0.235	84	2
14	40000	800	4.0	200	15	3	78	0.370	0.078	0.500	0.032	0.205	97	2
15	40000	800	10.0	150	16	3	78	0.353	0.065	0.600	0.034	0.282	82	2
16	40000	800	8.0	150	17	3	78	0.357	0.061	0.500	0.034	0.273	78	2
17	40000	800	5.0	200	18	3	78	0.370	0.054	0.500	0.034	0.257	72	2
18	40000	800	0.0	0	30	5	100	0.000	0.000	0.000	0.990	0.000	0	0
19	40000	800	5.0	200	31	5	72	0.247	0.039	0.500	0.140	0.329	36	1
20	40000	800	6.0	200	21	3	58	0.370	0.032	0.000	0.031	0.347	40	2
21	40000	800	5.0	200	33	5	58	0.370	0.044	0.000	0.031	0.285	59	2
22	40000	800	3.0	200	33	6	78	0.325	0.041	0.500	0.029	0.165	88	2
23	40000	800	3.0	200	35	5	74	0.352	0.088	1.000	0.033	0.116	123	2
24	40000	800	9.0	150	25	3	78	0.357	0.150	0.600	0.035	0.050	170	2
25	40000	800	8.0	150	26	3	78	0.345	0.150	0.500	0.035	0.050	170	2
26	40000	800	5.0	200	14	1	78	0.357	0.113	0.500	0.030	0.040	148	2
27	40000	800	9.0	150	28	3	78	0.353	0.077	0.600	0.034	0.127	122	2
28	40000	800	10.0	150	29	3	78	0.353	0.104	0.600	0.035	0.230	120	2
29	40000	800	6.0	200	30	3	78	0.353	0.104	0.500	0.035	0.230	120	2
30	40000	800	6.0	200	31	3	78	0.286	0.078	0.500	0.278	0.233	64	2
31	40000	800	2.0	225	32	3	72	0.300	0.079	0.600	0.197	0.302	49	2
32	40000	800	5.0	200	33	3	55	0.363	0.068	0.000	0.038	0.470	29	2
33	40000	800	7.0	200	34	3	58	0.370	0.068	0.000	0.034	0.334	58	2
34	40000	800	1.0	225	48	5	58	0.370	0.082	0.000	0.035	0.320	95	2
35	40000	800	2.0	225	49	5	78	0.370	0.080	0.600	0.033	0.247	102	2
36	40000	800	1.0	225	50	5	78	0.334	0.095	0.600	0.035	0.266	110	2
37	40000	800	1.0	225	51	5	78	0.370	0.116	0.600	0.035	0.185	132	2
38	40000	800	5.0	200	39	3	78	0.357	0.104	0.500	0.040	0.230	135	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
39	40000	800	8.0	150	40	3	55	0.360	0.104	0.000	0.040	0.230	135	2
40	40000	800	10.0	150	41	3	55	0.310	0.063	0.000	0.225	0.140	97	2
41	40000	800	7.0	200	42	3	55	0.370	0.078	0.000	0.040	0.175	116	2
42	40000	800	7.0	200	43	3	78	0.370	0.081	0.500	0.051	0.320	106	2
43	40000	800	9.0	150	30	2	78	0.278	0.089	0.600	0.181	0.231	88	2
44	40000	800	8.0	150	45	3	55	0.370	0.095	0.000	0.048	0.314	89	2
45	40000	800	4.0	200	46	3	55	0.357	0.081	0.000	0.068	0.440	42	2
46	40000	800	4.0	200	32	1	72	0.362	0.126	0.500	0.049	0.296	37	2
47	40000	800	9.0	150	34	2	91	0.370	0.154	1.000	0.035	0.205	54	2
48	40000	800	9.0	150	49	3	58	0.317	0.044	0.000	0.273	0.350	39	2
49	40000	800	4.0	200	50	3	58	0.300	0.031	0.000	0.034	0.430	56	2
50	40000	800	3.0	200	51	3	78	0.347	0.104	0.500	0.035	0.230	120	2
51	40000	800	2.0	225	66	5	78	0.370	0.082	0.600	0.035	0.320	95	2
52	40000	800	1.0	225	68	4	78	0.347	0.104	0.600	0.035	0.230	120	2
53	40000	800	2.0	225	54	3	55	0.370	0.095	0.000	0.051	0.266	128	2
54	40000	800	8.0	150	55	3	72	0.370	0.104	0.500	0.040	0.230	135	2
55	40000	800	12.0	150	56	3	72	0.296	0.063	0.600	0.225	0.140	97	2
56	40000	800	5.0	200	57	3	78	0.370	0.035	0.500	0.043	0.250	83	2
57	40000	800	5.0	200	43	2	78	0.370	0.058	0.500	0.057	0.410	85	2
58	40000	800	6.0	200	59	3	78	0.370	0.058	0.500	0.057	0.410	85	2
59	40000	800	8.0	150	45	2	55	0.370	0.012	0.000	0.100	0.590	65	2
60	40000	800	6.0	200	45	1	78	0.357	0.047	0.500	0.051	0.455	69	2
61	40000	800	4.0	200	47	2	91	0.362	0.175	1.000	0.044	0.184	72	2
62	40000	800	5.0	200	48	2	72	0.370	0.151	0.500	0.031	0.106	59	2
63	40000	800	9.0	150	49	2	72	0.370	0.057	0.600	0.034	0.382	53	2
64	40000	800	6.0	200	50	2	78	0.360	0.050	0.500	0.037	0.387	63	2
65	40000	800	2.0	225	87	4	78	0.337	0.082	0.600	0.035	0.320	95	2
66	40000	800	4.0	200	67	3	78	0.332	0.059	0.500	0.033	0.263	83	2
67	40000	800	5.0	200	88	5	61	0.332	0.095	0.500	0.034	0.226	88	2
68	40000	800	4.0	200	89	5	72	0.325	0.113	0.500	0.036	0.160	72	2
69	40000	800	2.0	225	90	5	81	0.325	0.055	0.600	0.035	0.150	53	2
70	40000	800	1.0	225	90	6	78	0.290	0.078	0.600	0.029	0.125	82	2
71	40000	800	3.0	200	91	6	78	0.323	0.093	0.500	0.031	0.150	122	2
72	40000	800	4.0	200	71	7	78	0.325	0.120	0.500	0.031	0.042	152	2
73	40000	800	3.0	200	72	7	78	0.293	0.150	0.500	0.035	0.050	170	2
74	40000	800	0.1	225	54	2	72	0.370	0.116	1.000	0.035	0.245	95	2
75	40000	800	9.0	150	76	3	72	0.370	0.082	0.600	0.035	0.380	58	2
76	40000	800	11.0	150	77	3	72	0.370	0.048	0.600	0.032	0.304	59	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
77	40000	800	3.0	200	78	3	86	0.370	0.054	0.500	0.041	0.245	88	2
78	40000	800	6.0	200	79	3	58	0.370	0.068	0.000	0.048	0.374	89	2
79	40000	800	7.0	200	80	3	58	0.370	0.081	0.000	0.051	0.320	106	2
80	40000	800	5.0	200	81	3	78	0.357	0.058	0.500	0.057	0.410	85	2
81	40000	800	2.0	225	60	1	72	0.357	0.104	0.600	0.046	0.230	128	2
82	40000	800	2.0	225	83	3	72	0.357	0.183	0.600	0.035	0.148	106	2
83	40000	800	1.0	225	84	3	72	0.370	0.191	0.600	0.038	0.233	64	2
84	40000	800	6.0	200	64	2	72	0.347	0.104	0.500	0.040	0.310	85	2
85	40000	800	8.0	150	86	3	78	0.332	0.102	0.500	0.032	0.173	105	2
86	40000	800	4.0	200	87	3	78	0.322	0.093	0.500	0.036	0.150	122	2
87	40000	800	5.0	200	111	5	78	0.310	0.109	0.500	0.036	0.121	136	2
88	40000	800	5.0	200	89	3	61	0.332	0.104	0.500	0.034	0.197	102	2
89	40000	800	5.0	200	113	5	78	0.352	0.080	0.500	0.035	0.230	62	2
90	40000	800	4.0	200	113	6	78	0.325	0.078	0.500	0.032	0.053	122	2
91	40000	800	2.0	225	114	6	78	0.290	0.093	0.600	0.030	0.062	130	2
92	40000	800	2.0	225	91	7	78	0.324	0.078	0.600	0.030	0.175	110	2
93	40000	800	4.0	200	117	5	78	0.325	0.078	0.500	0.030	0.175	110	2
94	40000	800	4.0	200	93	7	78	0.324	0.082	0.500	0.035	0.320	95	2
95	40000	800	1.0	225	94	7	78	0.332	0.150	0.600	0.035	0.050	170	2
96	40000	800	3.0	200	120	5	78	0.353	0.150	0.500	0.035	0.050	170	2
97	40000	800	1.0	225	96	7	78	0.342	0.150	0.600	0.035	0.130	120	2
98	40000	800	0.1	225	121	6	72	0.302	0.150	1.000	0.035	0.170	95	2
99	40000	800	10.0	150	100	3	72	0.370	0.082	0.600	0.035	0.440	20	2
100	40000	800	11.0	150	101	3	72	0.370	0.044	0.600	0.032	0.370	35	2
101	40000	800	4.0	200	102	3	78	0.362	0.056	0.500	0.058	0.313	102	2
102	40000	800	8.0	150	103	3	78	0.360	0.081	0.500	0.048	0.320	110	2
103	40000	800	9.0	150	79	1	78	0.360	0.082	0.600	0.035	0.320	95	2
104	40000	800	4.0	200	129	4	78	0.357	0.150	0.500	0.035	0.050	170	2
105	40000	800	8.0	150	130	4	72	0.350	0.150	0.500	0.035	0.050	170	2
106	40000	800	10.0	150	130	5	72	0.350	0.150	0.600	0.035	0.050	170	2
107	40000	800	6.0	200	130	6	72	0.357	0.150	0.500	0.035	0.050	170	2
108	40000	800	2.0	225	133	4	72	0.355	0.150	0.600	0.035	0.050	170	2
109	40000	800	8.0	150	110	3	78	0.357	0.078	0.500	0.030	0.175	110	2
110	40000	800	5.0	200	111	3	78	0.330	0.055	0.500	0.037	0.217	90	2
111	40000	800	7.0	200	112	3	78	0.307	0.104	0.500	0.035	0.230	120	2
112	40000	800	6.0	200	113	3	78	0.332	0.095	0.500	0.034	0.178	118	2
113	40000	800	2.0	225	137	5	55	0.350	0.082	0.000	0.039	0.320	106	2
114	40000	800	5.0	200	137	6	78	0.291	0.113	0.500	0.274	0.037	128	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
115	40000	800	5.0	200	114	7	78	0.331	0.150	0.500	0.035	0.050	170	2
116	40000	800	4.0	200	140	5	78	0.344	0.116	0.500	0.035	0.185	132	2
117	40000	800	3.0	200	116	7	78	0.355	0.097	0.500	0.033	0.180	121	2
118	40000	800	4.0	200	117	7	78	0.347	0.116	0.500	0.034	0.228	119	2
119	40000	800	2.0	225	95	1	78	0.370	0.123	0.600	0.034	0.192	129	2
120	40000	800	2.0	225	119	7	78	0.347	0.150	0.600	0.035	0.050	170	2
121	40000	800	1.0	225	120	7	78	0.355	0.150	0.600	0.035	0.210	70	2
122	40000	800	1.0	225	121	7	72	0.334	0.150	0.600	0.035	0.290	20	2
123	40000	800	7.0	200	124	3	72	0.370	0.150	0.500	0.035	0.210	70	2
124	40000	800	13.0	150	125	3	72	0.370	0.127	0.700	0.031	0.158	62	2
125	40000	800	8.0	150	101	1	78	0.353	0.078	0.500	0.050	0.175	121	2
126	40000	800	5.0	200	103	2	78	0.360	0.095	0.500	0.048	0.266	119	2
127	40000	800	11.0	150	104	2	78	0.370	0.116	0.600	0.051	0.185	144	2
128	40000	800	11.0	150	129	3	78	0.300	0.092	0.600	0.239	0.148	115	2
129	40000	800	8.0	150	130	3	55	0.265	0.077	0.000	0.282	0.100	103	2
130	40000	800	7.0	200	152	5	78	0.357	0.104	0.500	0.057	0.230	135	2
131	40000	800	7.0	200	152	6	78	0.350	0.116	0.500	0.035	0.185	132	2
132	40000	800	3.0	200	153	6	78	0.370	0.150	0.500	0.035	0.050	170	2
133	40000	800	8.0	150	134	3	58	0.350	0.102	0.000	0.032	0.133	130	2
134	40000	800	4.0	200	135	3	58	0.330	0.104	0.000	0.035	0.230	120	2
135	40000	800	7.0	200	136	3	58	0.337	0.123	0.000	0.035	0.158	140	2
136	40000	800	8.0	150	137	3	78	0.350	0.116	0.500	0.035	0.185	132	2
137	40000	800	3.0	200	159	5	86	0.347	0.104	0.500	0.036	0.268	113	2
138	40000	800	3.0	200	137	7	86	0.340	0.123	0.500	0.037	0.192	138	2
139	40000	800	7.0	200	161	5	86	0.331	0.170	0.500	0.034	0.133	123	2
140	40000	800	5.0	200	139	7	78	0.359	0.130	0.500	0.035	0.127	149	2
141	40000	800	1.0	225	140	7	78	0.352	0.097	0.600	0.033	0.180	121	2
142	40000	800	4.0	200	141	7	58	0.370	0.082	0.000	0.035	0.320	95	2
143	40000	800	4.0	200	142	7	78	0.340	0.082	0.500	0.035	0.320	95	2
144	40000	800	2.0	225	165	6	78	0.347	0.150	0.600	0.035	0.050	170	2
145	40000	800	1.0	225	120	8	78	0.347	0.150	0.600	0.035	0.170	95	2
146	40000	800	13.0	150	147	3	72	0.370	0.150	0.700	0.029	0.018	82	2
147	40000	800	0.0	0	126	2	100	0.000	0.000	0.000	0.990	0.000	0	0
148	40000	800	4.0	200	149	3	78	0.308	0.123	0.500	0.227	0.130	54	2
149	40000	800	8.0	150	150	3	58	0.370	0.081	0.000	0.051	0.320	106	2
150	40000	800	15.0	150	171	5	58	0.308	0.044	0.000	0.290	0.307	64	2
151	40000	800	11.0	150	152	3	86	0.278	0.070	0.600	0.254	0.173	88	2
152	40000	800	0.1	225	153	3	78	0.362	0.104	1.000	0.057	0.230	135	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
153	40000	800	6.0	200	174	5	78	0.363	0.081	0.500	0.051	0.320	106	2
154	40000	800	5.0	200	174	6	78	0.278	0.150	0.500	0.035	0.050	170	2
155	40000	800	6.0	200	156	3	78	0.350	0.078	0.500	0.030	0.175	110	2
156	40000	800	5.0	200	157	3	78	0.350	0.082	0.500	0.035	0.320	95	2
157	40000	800	8.0	150	158	3	78	0.360	0.116	0.500	0.035	0.185	132	2
158	40000	800	8.0	150	159	3	78	0.355	0.116	0.500	0.035	0.185	132	2
159	40000	800	1.0	225	180	5	86	0.340	0.123	0.600	0.033	0.226	118	2
160	40000	800	8.0	150	159	7	86	0.344	0.079	0.500	0.035	0.278	59	2
161	40000	800	8.0	150	160	7	91	0.325	0.153	1.000	0.035	0.174	77	2
162	40000	800	3.0	200	182	6	78	0.370	0.150	0.500	0.035	0.050	170	2
163	40000	800	0.1	225	141	1	86	0.352	0.079	1.000	0.033	0.196	103	2
164	40000	800	5.0	200	163	7	86	0.352	0.104	0.500	0.033	0.287	102	2
165	40000	800	5.0	200	164	7	86	0.340	0.093	0.500	0.035	0.184	111	2
166	40000	800	0.1	225	165	7	78	0.325	0.063	1.000	0.031	0.054	112	2
167	40000	800	6.0	200	168	3	61	0.370	0.054	0.500	0.027	0.070	103	2
168	40000	800	6.0	200	169	3	55	0.296	0.078	0.000	0.168	0.158	68	2
169	40000	800	4.0	200	170	3	78	0.296	0.091	0.500	0.190	0.261	57	2
170	40000	800	7.0	200	171	3	58	0.370	0.081	0.000	0.051	0.320	106	2
171	40000	800	15.0	150	172	3	78	0.308	0.054	0.700	0.375	0.213	78	2
172	40000	800	13.0	150	173	3	78	0.308	0.065	0.700	0.239	0.256	85	2
173	40000	800	0.1	225	174	3	55	0.370	0.104	0.000	0.057	0.230	135	2
174	40000	800	4.0	200	194	5	61	0.370	0.068	0.500	0.047	0.334	67	2
175	40000	800	6.0	200	195	5	74	0.370	0.104	0.500	0.033	0.163	103	2
176	40000	800	5.0	200	177	3	72	0.370	0.120	0.500	0.031	0.138	104	2
177	40000	800	6.0	200	197	5	72	0.296	0.065	0.500	0.226	0.304	46	2
178	40000	800	8.0	150	179	3	70	0.293	0.063	0.000	0.156	0.314	79	2
179	40000	800	7.0	200	199	5	78	0.355	0.095	0.500	0.038	0.266	119	2
180	40000	800	3.0	200	200	5	78	0.352	0.111	0.500	0.037	0.239	121	2
181	40000	800	11.0	150	180	7	74	0.340	0.079	0.600	0.036	0.295	50	2
182	40000	800	6.0	200	160	8	74	0.278	0.055	0.500	0.139	0.220	59	2
183	40000	800	1.0	225	161	8	61	0.278	0.068	0.600	0.168	0.197	53	2
184	40000	800	2.0	225	162	8	74	0.353	0.068	0.600	0.032	0.251	72	2
185	40000	800	5.0	200	164	1	86	0.370	0.055	0.500	0.032	0.245	81	2
186	40000	800	4.0	200	185	7	78	0.340	0.088	0.500	0.032	0.140	115	2
187	40000	800	4.0	200	186	7	72	0.325	0.078	0.500	0.029	0.065	120	2
188	40000	800	4.0	200	189	3	86	0.370	0.054	0.500	0.043	0.245	96	2
189	40000	800	6.0	200	190	3	86	0.370	0.081	0.500	0.052	0.405	90	2
190	40000	800	7.0	200	191	3	78	0.370	0.104	0.500	0.055	0.287	117	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
191	40000	800	11.0	150	192	3	78	0.370	0.081	0.600	0.068	0.320	118	2
192	40000	800	14.0	150	193	3	78	0.296	0.078	0.700	0.290	0.233	64	2
193	40000	800	4.0	200	173	1	72	0.370	0.104	0.500	0.057	0.310	85	2
194	40000	800	1.0	225	195	3	72	0.370	0.058	0.600	0.055	0.343	48	2
195	40000	800	2.0	225	214	5	86	0.370	0.081	0.600	0.049	0.312	80	2
196	40000	800	3.0	200	216	4	72	0.370	0.102	0.500	0.030	0.208	62	2
197	40000	800	5.0	200	198	3	72	0.286	0.078	0.500	0.274	0.292	15	2
198	40000	800	9.0	150	178	1	72	0.278	0.065	0.600	0.229	0.352	25	2
199	40000	800	6.0	200	200	3	72	0.370	0.082	0.500	0.037	0.270	79	2
200	40000	800	8.0	150	219	5	78	0.352	0.091	0.500	0.036	0.224	89	2
201	40000	800	12.0	150	200	7	74	0.355	0.059	0.600	0.038	0.343	68	2
202	40000	800	5.0	200	220	6	72	0.370	0.082	0.500	0.037	0.330	56	2
203	40000	800	3.0	200	182	8	58	0.370	0.078	0.000	0.274	0.292	15	2
204	40000	800	3.0	200	183	8	74	0.345	0.078	0.500	0.032	0.235	56	2
205	40000	800	3.0	200	204	7	72	0.323	0.078	0.500	0.032	0.195	81	2
206	40000	800	3.0	200	224	6	78	0.325	0.076	0.500	0.032	0.030	125	2
207	40000	800	4.0	200	227	4	72	0.370	0.081	0.500	0.054	0.422	66	2
208	40000	800	9.0	150	209	3	55	0.370	0.095	0.000	0.050	0.396	57	2
209	40000	800	6.0	200	210	3	55	0.370	0.081	0.000	0.068	0.440	42	2
210	40000	800	5.0	200	191	1	72	0.370	0.047	0.500	0.059	0.515	54	2
211	40000	800	13.0	150	212	3	72	0.296	0.056	0.700	0.210	0.392	39	2
212	40000	800	10.0	150	213	3	55	0.278	0.065	0.000	0.242	0.352	34	2
213	40000	800	5.0	200	232	5	72	0.370	0.058	0.500	0.055	0.343	48	2
214	40000	800	7.0	200	233	5	61	0.347	0.068	0.500	0.045	0.280	64	2
215	40000	800	8.0	150	234	5	72	0.370	0.065	0.500	0.029	0.192	59	2
216	40000	800	7.0	200	236	4	72	0.357	0.104	0.500	0.035	0.290	20	2
217	40000	800	8.0	150	218	3	72	0.370	0.104	0.500	0.037	0.390	38	2
218	40000	800	4.0	200	200	2	74	0.370	0.104	0.500	0.033	0.243	53	2
219	40000	800	13.0	150	238	5	74	0.352	0.059	0.700	0.035	0.230	82	2
220	40000	800	11.0	150	219	7	78	0.370	0.059	0.600	0.032	0.117	97	2
221	40000	800	3.0	200	239	6	91	0.370	0.130	1.000	0.037	0.182	66	2
222	40000	800	2.0	225	240	6	74	0.335	0.115	1.000	0.041	0.212	38	2
223	40000	800	1.0	225	203	8	72	0.323	0.063	0.600	0.044	0.280	40	2
224	40000	800	1.0	225	242	6	72	0.300	0.150	0.600	0.035	0.170	95	2
225	40000	800	2.0	225	244	5	78	0.300	0.100	0.600	0.029	0.037	140	2
226	40000	800	2.0	225	245	5	72	0.280	0.150	0.600	0.035	0.050	170	2
227	40000	800	8.0	150	247	4	72	0.370	0.104	0.500	0.057	0.390	35	2
228	40000	800	2.0	225	229	3	55	0.370	0.081	0.000	0.068	0.440	42	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
229	40000	800	4.0	200	230	3	55	0.370	0.047	0.000	0.059	0.515	54	2
230	40000	800	9.0	150	249	5	78	0.296	0.056	0.600	0.210	0.352	64	2
231	40000	800	14.0	150	232	3	72	0.370	0.081	0.700	0.055	0.380	80	2
232	40000	800	9.0	150	233	3	72	0.370	0.104	0.600	0.040	0.310	85	2
233	40000	800	7.0	200	234	3	74	0.347	0.068	0.500	0.046	0.246	75	2
234	40000	800	8.0	150	253	5	58	0.352	0.009	0.000	0.043	0.273	54	2
235	40000	800	0.0	0	254	5	100	0.000	0.000	0.000	0.990	0.000	0	0
236	40000	800	5.0	200	256	4	72	0.370	0.066	0.500	0.039	0.354	53	2
237	40000	800	2.0	225	256	5	58	0.347	0.059	0.000	0.040	0.490	55	2
238	40000	800	13.0	150	237	7	61	0.352	0.033	0.700	0.035	0.359	52	2
239	40000	800	7.0	200	238	7	61	0.370	0.040	0.500	0.032	0.218	74	2
240	40000	800	0.1	225	260	4	61	0.370	0.111	1.000	0.032	0.157	61	2
241	40000	800	1.0	225	260	5	72	0.332	0.042	0.600	0.032	0.225	50	2
242	40000	800	2.0	225	261	5	72	0.332	0.150	0.600	0.035	0.290	20	2
243	40000	800	2.0	225	262	5	72	0.323	0.150	0.600	0.035	0.170	95	2
244	40000	800	1.0	225	243	7	78	0.293	0.100	0.600	0.029	0.037	140	2
245	40000	800	1.0	225	244	7	72	0.300	0.150	0.600	0.035	0.050	170	2
246	40000	800	3.0	200	247	3	78	0.370	0.079	0.500	0.045	0.303	70	2
247	40000	800	6.0	200	228	1	72	0.370	0.078	0.500	0.046	0.235	84	2
248	40000	800	6.0	200	230	2	72	0.370	0.104	0.500	0.057	0.390	35	2
249	40000	800	8.0	150	250	3	72	0.370	0.104	0.500	0.057	0.390	35	2
250	40000	800	15.0	150	251	3	55	0.370	0.104	0.000	0.057	0.310	85	2
251	40000	800	10.0	150	252	3	61	0.370	0.065	0.600	0.043	0.218	79	2
252	40000	800	11.0	150	233	1	61	0.370	0.031	0.600	0.039	0.179	79	2
253	40000	800	9.0	150	254	3	61	0.355	0.024	0.600	0.037	0.190	75	2
254	40000	800	1.0	225	272	5	61	0.293	0.023	0.600	0.141	0.173	68	2
255	40000	800	3.0	200	274	4	61	0.347	0.008	0.500	0.033	0.216	70	2
256	40000	800	6.0	200	274	5	61	0.352	0.031	0.500	0.035	0.339	61	2
257	40000	800	13.0	150	256	7	58	0.347	0.011	0.000	0.032	0.273	58	2
258	40000	800	4.0	200	257	7	72	0.370	0.031	0.500	0.030	0.276	46	2
259	40000	800	3.0	200	278	4	72	0.370	0.079	0.500	0.031	0.270	37	2
260	40000	800	5.0	200	279	4	72	0.370	0.150	0.500	0.035	0.290	20	2
261	40000	800	5.0	200	279	5	72	0.362	0.150	0.500	0.035	0.290	20	2
262	40000	800	5.0	200	261	7	74	0.357	0.121	0.500	0.036	0.186	62	2
263	40000	800	4.0	200	262	7	74	0.314	0.113	0.500	0.030	0.100	110	2
264	40000	800	3.0	200	263	7	72	0.307	0.150	0.500	0.035	0.050	170	2
265	40000	800	4.0	200	266	3	55	0.370	0.092	0.000	0.044	0.198	101	2
266	40000	800	4.0	200	267	3	78	0.278	0.070	0.500	0.146	0.228	63	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
267	40000	800	9.0	150	268	3	74	0.370	0.061	1.000	0.040	0.239	76	2
268	40000	800	14.0	150	269	3	61	0.370	0.044	0.700	0.029	0.260	45	2
269	40000	800	10.0	150	251	1	58	0.370	0.034	0.000	0.029	0.223	50	2
270	40000	800	0.0	0	253	2	100	0.000	0.000	0.000	0.990	0.000	0	0
271	40000	800	11.0	150	272	3	61	0.370	0.047	0.600	0.031	0.125	88	2
272	40000	800	4.0	200	273	3	78	0.352	0.047	0.500	0.036	0.235	89	2
273	40000	800	1.0	225	274	3	78	0.352	0.040	0.600	0.036	0.306	75	2
274	40000	800	9.0	150	292	5	55	0.347	0.068	0.000	0.037	0.334	67	2
275	40000	800	12.0	150	274	7	58	0.370	0.044	0.000	0.029	0.260	45	2
276	40000	800	2.0	225	295	4	72	0.370	0.029	0.600	0.025	0.177	57	2
277	40000	800	7.0	200	296	4	84	0.370	0.044	1.000	0.034	0.370	46	2
278	40000	800	7.0	200	297	4	72	0.370	0.044	0.500	0.038	0.370	58	2
279	40000	800	4.0	200	297	5	72	0.370	0.116	0.500	0.039	0.365	31	2
280	40000	800	5.0	200	297	6	72	0.360	0.150	0.500	0.033	0.267	52	2
281	40000	800	7.0	200	280	7	74	0.332	0.120	0.500	0.030	0.172	81	2
282	40000	800	4.0	200	299	6	72	0.293	0.150	0.500	0.035	0.050	170	2
283	40000	800	4.0	200	301	4	74	0.370	0.068	1.000	0.032	0.130	107	2
284	40000	800	0.0	0	285	3	100	0.000	0.000	0.000	0.990	0.000	0	0
285	40000	800	6.0	200	267	1	61	0.308	0.044	0.500	0.273	0.198	62	2
286	40000	800	12.0	150	269	2	61	0.296	0.009	0.600	0.352	0.247	27	2
287	40000	800	12.0	150	288	3	61	0.370	0.011	0.600	0.032	0.256	58	2
288	40000	800	14.0	150	306	4	61	0.370	0.011	0.700	0.034	0.273	65	2
289	40000	800	11.0	150	307	4	55	0.370	0.011	0.000	0.047	0.381	66	2
290	40000	800	5.0	200	308	4	61	0.370	0.025	0.500	0.045	0.254	78	2
291	40000	800	3.0	200	272	8	84	0.370	0.048	1.000	0.032	0.304	65	2
292	40000	800	10.0	150	309	5	84	0.352	0.054	1.000	0.030	0.270	62	2
293	40000	800	9.0	150	292	7	84	0.370	0.007	1.000	0.028	0.279	58	2
294	40000	800	1.0	225	295	3	84	0.370	0.000	1.000	0.016	0.010	80	2
295	40000	800	8.0	150	296	3	84	0.370	0.037	1.000	0.021	0.080	65	2
296	40000	800	1.0	225	297	3	84	0.370	0.046	1.000	0.038	0.256	59	2
297	40000	800	2.0	225	314	5	84	0.370	0.070	1.000	0.035	0.221	64	2
298	40000	800	4.0	200	314	6	72	0.370	0.086	0.500	0.026	0.126	81	2
299	40000	800	7.0	200	315	6	72	0.323	0.100	0.500	0.031	0.109	101	2
300	40000	800	5.0	200	316	6	78	0.323	0.100	0.500	0.029	0.037	140	2
301	40000	800	0.1	225	302	3	61	0.370	0.042	1.000	0.031	0.210	78	2
302	40000	800	3.0	200	319	5	61	0.370	0.025	0.500	0.030	0.275	56	2
303	40000	800	12.0	150	321	4	86	0.370	0.031	0.600	0.029	0.203	65	2
304	40000	800	20.0	125	305	3	61	0.370	0.029	0.800	0.029	0.251	59	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
305	40000	800	11.0	150	306	3	58	0.370	0.013	0.000	0.037	0.480	41	2
306	40000	800	2.0	225	307	3	61	0.370	0.013	0.600	0.037	0.370	55	2
307	40000	800	5.0	200	291	2	58	0.370	0.011	0.000	0.043	0.352	59	2
308	40000	800	4.0	200	325	5	58	0.347	0.042	0.000	0.041	0.334	62	2
309	40000	800	10.0	150	308	7	78	0.304	0.054	0.600	0.191	0.255	52	2
310	40000	800	8.0	150	326	6	72	0.370	0.078	0.500	0.030	0.295	35	2
311	40000	800	2.0	225	328	5	61	0.370	0.066	0.600	0.026	0.150	51	2
312	40000	800	6.0	200	313	3	72	0.370	0.075	0.500	0.025	0.150	50	2
313	40000	800	3.0	200	314	3	72	0.370	0.081	0.500	0.068	0.440	42	2
314	40000	800	1.0	225	315	3	72	0.370	0.104	0.600	0.057	0.310	85	2
315	40000	800	3.0	200	332	5	55	0.370	0.081	0.000	0.068	0.320	118	2
316	40000	800	6.0	200	332	6	86	0.360	0.077	0.500	0.043	0.155	113	2
317	40000	800	5.0	200	333	6	78	0.346	0.150	0.500	0.035	0.050	170	2
318	40000	800	0.1	225	319	3	78	0.370	0.095	1.000	0.033	0.212	107	2
319	40000	800	4.0	200	320	3	58	0.370	0.013	0.000	0.032	0.297	47	2
320	40000	800	10.0	150	321	3	58	0.370	0.040	0.000	0.031	0.252	63	2
321	40000	800	18.0	125	322	3	58	0.370	0.059	0.000	0.032	0.320	65	2
322	40000	800	13.0	150	323	3	86	0.370	0.040	0.700	0.036	0.428	56	2
323	40000	800	10.0	150	324	3	58	0.352	0.032	0.000	0.045	0.474	52	2
324	40000	800	12.0	150	342	5	61	0.334	0.013	0.600	0.047	0.502	37	2
325	40000	800	4.0	200	343	5	61	0.347	0.036	0.500	0.034	0.427	52	2
326	40000	800	13.0	150	343	6	72	0.278	0.057	0.700	0.193	0.278	48	2
327	40000	800	10.0	150	344	6	72	0.370	0.047	0.600	0.034	0.405	30	2
328	40000	800	6.0	200	345	6	74	0.370	0.061	1.000	0.032	0.223	45	2
329	40000	800	5.0	200	330	3	72	0.370	0.104	0.500	0.035	0.390	20	2
330	40000	800	6.0	200	349	4	72	0.296	0.093	0.500	0.225	0.278	35	2
331	40000	800	5.0	200	349	5	86	0.278	0.065	0.500	0.238	0.338	44	2
332	40000	800	4.0	200	350	5	55	0.370	0.104	0.000	0.055	0.287	117	2
333	40000	800	5.0	200	350	6	58	0.370	0.081	0.000	0.050	0.362	92	2
334	40000	800	5.0	200	352	5	78	0.360	0.095	0.500	0.047	0.300	108	2
335	25613	750	6.0	200	352	6	72	0.357	0.150	0.500	0.035	0.050	170	2
336	40000	800	1.0	225	337	3	78	0.370	0.047	0.600	0.050	0.345	79	2
337	40000	800	4.0	200	338	3	55	0.370	0.047	0.000	0.049	0.388	65	2
338	40000	800	6.0	200	339	3	55	0.370	0.040	0.000	0.049	0.428	65	2
339	40000	800	12.0	150	340	3	55	0.370	0.068	0.000	0.048	0.354	84	2
340	40000	800	12.0	150	341	3	55	0.347	0.081	0.000	0.045	0.332	89	2
341	40000	800	8.0	150	323	1	86	0.347	0.068	0.500	0.037	0.456	48	2
342	40000	800	16.0	125	343	3	72	0.334	0.040	0.700	0.048	0.530	29	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
343	40000	800	11.0	150	344	3	58	0.325	0.047	0.000	0.035	0.515	20	2
344	40000	800	11.0	150	360	5	72	0.352	0.068	0.600	0.034	0.382	28	2
345	40000	800	12.0	150	360	6	72	0.370	0.079	0.600	0.030	0.258	52	2
346	40000	800	8.0	150	361	6	72	0.370	0.068	0.500	0.032	0.223	56	2
347	40000	800	5.0	200	364	4	72	0.370	0.082	0.500	0.035	0.440	20	2
348	40000	800	8.0	150	349	3	72	0.370	0.104	0.500	0.035	0.390	20	2
349	40000	800	5.0	200	365	5	58	0.370	0.095	0.000	0.046	0.382	67	2
350	40000	800	5.0	200	366	5	70	0.370	0.012	0.000	0.100	0.590	65	2
351	40000	800	4.0	200	350	7	91	0.370	0.058	0.500	0.055	0.467	67	2
352	40000	800	7.0	200	351	7	86	0.360	0.104	0.500	0.055	0.287	117	2
353	40000	800	3.0	200	354	3	86	0.370	0.116	0.500	0.050	0.228	130	2
354	40000	800	4.0	200	355	3	78	0.347	0.081	0.500	0.054	0.362	104	2
355	40000	800	10.0	150	356	3	55	0.255	0.070	0.000	0.181	0.323	79	2
356	40000	800	8.0	150	357	3	86	0.255	0.070	0.500	0.181	0.347	71	2
357	40000	800	2.0	225	358	3	86	0.347	0.116	0.600	0.033	0.330	68	2
358	40000	800	14.0	150	359	3	72	0.340	0.058	0.700	0.057	0.490	35	2
359	40000	800	18.0	125	360	3	61	0.334	0.040	0.800	0.060	0.442	46	2
360	40000	800	2.0	225	376	5	81	0.347	0.104	0.600	0.035	0.390	20	2
361	40000	800	11.0	150	376	6	72	0.347	0.102	0.600	0.031	0.242	71	2
362	40000	800	10.0	150	378	5	78	0.370	0.123	0.600	0.035	0.244	46	2
363	40000	800	9.0	150	379	5	74	0.308	0.093	0.600	0.226	0.186	42	2
364	40000	800	7.0	200	381	4	74	0.370	0.116	0.500	0.035	0.292	15	2
365	40000	800	2.0	225	382	4	74	0.370	0.081	0.600	0.050	0.350	50	2
366	40000	800	4.0	200	382	5	55	0.370	0.058	0.000	0.055	0.467	67	2
367	40000	800	4.0	200	366	7	86	0.370	0.058	0.500	0.055	0.467	67	2
368	40000	800	8.0	150	367	7	86	0.360	0.081	0.500	0.050	0.362	92	2
369	40000	800	2.0	225	370	3	72	0.347	0.116	0.600	0.039	0.245	106	2
370	40000	800	3.0	200	386	5	55	0.352	0.082	0.000	0.037	0.270	79	2
371	40000	800	9.0	150	372	3	55	0.347	0.081	0.000	0.047	0.377	92	2
372	40000	800	10.0	150	373	3	86	0.352	0.059	0.600	0.047	0.467	67	2
373	40000	800	6.0	200	389	5	86	0.347	0.104	0.500	0.036	0.367	59	2
374	40000	800	8.0	150	375	3	72	0.340	0.082	0.500	0.035	0.440	20	2
375	40000	800	13.0	150	376	3	72	0.347	0.052	0.700	0.054	0.504	33	2
376	40000	800	10.0	150	377	3	71	0.310	0.104	0.000	0.035	0.390	20	2
377	40000	800	4.0	200	393	5	86	0.347	0.079	0.500	0.042	0.292	78	2
378	40000	800	10.0	150	394	5	78	0.340	0.150	0.600	0.033	0.135	142	2
379	40000	800	10.0	150	395	5	58	0.317	0.093	0.000	0.225	0.172	61	2
380	40000	800	6.0	200	396	5	74	0.370	0.104	0.500	0.035	0.213	63	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
381	40000	800	2.0	225	396	6	74	0.370	0.104	0.600	0.057	0.213	78	2
382	40000	800	3.0	200	398	5	55	0.370	0.081	0.000	0.065	0.405	90	2
383	40000	800	3.0	200	398	6	86	0.362	0.081	0.500	0.065	0.405	90	2
384	40000	800	8.0	150	383	7	86	0.353	0.058	0.500	0.077	0.467	82	2
385	40000	800	6.0	200	384	7	86	0.337	0.081	0.500	0.065	0.405	90	2
386	40000	800	3.0	200	387	3	72	0.347	0.055	0.500	0.034	0.223	54	2
387	40000	800	5.0	200	388	3	72	0.296	0.068	0.500	0.173	0.260	60	2
388	40000	800	11.0	150	373	2	78	0.308	0.071	0.600	0.142	0.273	68	2
389	40000	800	15.0	150	390	3	55	0.370	0.063	0.000	0.036	0.345	76	2
390	40000	800	13.0	150	391	3	55	0.370	0.010	0.000	0.034	0.474	41	2
391	40000	800	7.0	200	392	3	55	0.347	0.027	0.000	0.049	0.492	42	2
392	40000	800	8.0	150	393	3	58	0.334	0.034	0.000	0.034	0.370	44	2
393	40000	800	12.0	150	394	3	74	0.355	0.034	0.600	0.043	0.358	68	2
394	40000	800	8.0	150	410	5	70	0.357	0.068	0.000	0.049	0.320	95	2
395	40000	800	2.0	225	410	6	74	0.355	0.091	0.600	0.044	0.299	80	2
396	40000	800	8.0	150	411	6	72	0.370	0.104	0.500	0.035	0.213	63	2
397	40000	800	6.0	200	412	6	72	0.370	0.104	0.500	0.057	0.213	78	2
398	40000	800	4.0	200	414	5	61	0.370	0.058	0.500	0.055	0.263	98	2
399	40000	800	3.0	200	398	7	61	0.363	0.013	0.500	0.065	0.370	62	2
400	40000	800	6.0	200	399	7	61	0.360	0.047	0.500	0.065	0.388	76	2
401	40000	800	4.0	200	400	7	61	0.350	0.081	0.500	0.048	0.295	89	2
402	40000	800	3.0	200	420	4	72	0.278	0.054	0.500	0.358	0.293	28	2
403	40000	800	4.0	200	421	4	72	0.370	0.082	0.500	0.043	0.440	42	2
404	40000	800	10.0	150	422	4	72	0.370	0.082	0.600	0.043	0.440	42	2
405	40000	800	15.0	150	406	3	72	0.370	0.059	0.700	0.040	0.490	35	2
406	40000	800	15.0	150	407	3	58	0.370	0.013	0.000	0.043	0.590	42	2
407	40000	800	13.0	150	391	1	55	0.370	0.038	0.000	0.039	0.366	71	2
408	40000	800	11.0	150	393	2	58	0.355	0.008	0.000	0.034	0.270	61	2
409	40000	800	13.0	150	394	2	70	0.360	0.013	0.000	0.040	0.370	62	2
410	40000	800	16.0	125	411	3	74	0.370	0.013	0.700	0.060	0.443	63	2
411	40000	800	10.0	150	428	5	74	0.370	0.081	0.600	0.049	0.253	102	2
412	40000	800	6.0	200	428	6	81	0.385	0.058	0.500	0.055	0.263	98	2
413	40000	800	8.0	150	429	6	72	0.385	0.150	0.500	0.035	0.050	170	2
414	40000	800	9.0	150	430	6	74	0.370	0.082	0.600	0.033	0.100	115	2
415	40000	800	7.0	200	432	5	74	0.370	0.013	0.500	0.030	0.150	60	2
416	40000	800	4.0	200	415	7	61	0.370	0.013	0.500	0.030	0.150	60	2
417	40000	800	4.0	200	433	6	61	0.360	0.068	0.500	0.031	0.144	93	2
418	40000	800	4.0	200	434	6	61	0.360	0.116	0.500	0.033	0.177	91	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
419	40000	800	1.0	225	420	3	55	0.370	0.104	0.000	0.040	0.390	35	2
420	40000	800	4.0	200	421	3	55	0.370	0.013	0.000	0.050	0.590	65	2
421	40000	800	8.0	150	422	3	72	0.370	0.082	0.500	0.043	0.440	42	2
422	40000	800	9.0	150	423	3	72	0.370	0.104	0.600	0.040	0.390	35	2
423	40000	800	12.0	150	406	1	58	0.370	0.082	0.000	0.037	0.362	92	2
424	40000	800	11.0	150	407	1	78	0.370	0.049	0.600	0.037	0.294	85	2
425	40000	800	6.0	200	408	1	86	0.317	0.042	0.500	0.154	0.130	81	2
426	40000	800	3.0	200	410	2	78	0.317	0.042	0.500	0.274	0.052	78	2
427	40000	800	12.0	150	411	2	78	0.370	0.104	0.600	0.033	0.083	133	2
428	40000	800	17.0	125	429	3	85	0.370	0.058	0.800	0.055	0.263	98	2
429	40000	800	5.0	200	445	5	74	0.380	0.081	0.500	0.050	0.210	116	2
430	40000	800	3.0	200	446	5	74	0.385	0.040	0.500	0.073	0.394	85	2
431	40000	800	8.0	150	447	5	74	0.370	0.082	0.500	0.033	0.100	115	2
432	40000	800	10.0	150	431	7	55	0.370	0.013	0.000	0.053	0.297	62	2
433	40000	800	6.0	200	448	6	61	0.370	0.010	0.500	0.026	0.115	65	2
434	40000	800	7.0	200	450	5	86	0.370	0.049	0.500	0.030	0.106	89	2
435	40000	800	6.0	200	434	7	86	0.370	0.102	0.500	0.029	0.157	93	2
436	40000	800	4.0	200	421	2	55	0.370	0.104	0.000	0.040	0.390	35	2
437	40000	800	9.0	150	438	3	81	0.370	0.104	0.600	0.040	0.390	35	2
438	40000	800	6.0	200	422	1	74	0.370	0.066	1.000	0.038	0.340	60	2
439	40000	800	3.0	200	440	3	78	0.370	0.072	0.500	0.036	0.331	81	2
440	40000	800	3.0	200	441	3	72	0.370	0.080	0.500	0.036	0.299	88	2
441	40000	800	5.0	200	457	5	55	0.370	0.082	0.000	0.041	0.362	104	2
442	40000	800	4.0	200	443	3	74	0.370	0.095	0.500	0.036	0.260	98	2
443	40000	800	5.0	200	428	2	72	0.370	0.116	0.500	0.034	0.195	82	2
444	40000	800	16.0	125	445	3	78	0.370	0.150	0.700	0.035	0.170	95	2
445	40000	800	12.0	150	461	5	85	0.370	0.082	0.600	0.033	0.100	115	2
446	40000	800	0.1	225	462	5	70	0.370	0.047	0.000	0.066	0.345	90	2
447	40000	800	6.0	200	446	7	61	0.370	0.047	0.500	0.049	0.235	89	2
448	40000	800	8.0	150	463	6	61	0.370	0.013	0.500	0.053	0.297	62	2
449	40000	800	8.0	150	465	5	61	0.370	0.013	0.500	0.030	0.150	60	2
450	40000	800	9.0	150	466	5	86	0.370	0.104	0.600	0.032	0.140	115	2
451	40000	800	7.0	200	466	6	86	0.370	0.127	0.500	0.033	0.197	127	2
452	40000	800	4.0	200	453	3	55	0.370	0.104	0.000	0.040	0.390	35	2
453	40000	800	9.0	150	454	3	72	0.362	0.079	0.600	0.040	0.295	46	2
454	40000	800	8.0	150	455	3	74	0.286	0.024	1.000	0.161	0.261	46	2
455	40000	800	2.0	225	471	5	74	0.360	0.026	1.000	0.044	0.335	54	2
456	40000	800	6.0	200	472	5	72	0.370	0.081	0.500	0.054	0.422	66	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
457	40000	800	13.0	150	458	3	72	0.370	0.082	0.700	0.041	0.422	66	2
458	40000	800	12.0	150	459	3	55	0.370	0.082	0.000	0.043	0.440	58	2
459	40000	800	10.0	150	475	5	72	0.370	0.082	0.600	0.037	0.330	56	2
460	40000	800	13.0	150	477	4	72	0.370	0.150	0.700	0.035	0.170	95	2
461	40000	800	13.0	150	462	3	72	0.370	0.150	0.700	0.035	0.170	95	2
462	40000	800	1.0	225	478	5	70	0.370	0.081	0.000	0.050	0.270	79	2
463	40000	800	5.0	200	479	5	55	0.296	0.045	0.000	0.161	0.323	52	2
464	40000	800	4.0	200	479	6	58	0.370	0.047	0.000	0.050	0.405	56	2
465	40000	800	4.0	200	480	6	72	0.370	0.104	0.500	0.033	0.243	53	2
466	40000	800	6.0	200	482	5	58	0.370	0.095	0.000	0.033	0.260	77	2
467	40000	800	7.0	200	482	6	78	0.370	0.091	0.500	0.044	0.316	91	2
468	40000	800	3.0	200	483	6	72	0.353	0.104	0.500	0.035	0.310	70	2
469	40000	800	8.0	150	470	3	74	0.370	0.047	1.000	0.036	0.256	52	2
470	40000	800	7.0	200	486	5	74	0.360	0.032	1.000	0.046	0.347	55	2
471	40000	800	2.0	225	456	2	78	0.315	0.055	0.600	0.058	0.217	105	2
472	40000	800	7.0	200	473	3	78	0.328	0.104	0.500	0.057	0.310	85	2
473	40000	800	10.0	150	489	5	72	0.336	0.104	0.600	0.057	0.310	85	2
474	40000	800	3.0	200	459	2	72	0.370	0.047	0.500	0.054	0.405	52	2
475	40000	800	4.0	200	476	3	61	0.370	0.068	0.500	0.050	0.382	46	2
476	40000	800	9.0	150	492	5	72	0.370	0.082	0.600	0.033	0.220	40	2
477	40000	800	8.0	150	478	3	81	0.370	0.150	0.500	0.035	0.290	20	2
478	40000	800	3.0	200	479	3	81	0.370	0.081	0.500	0.068	0.440	42	2
479	40000	800	3.0	200	495	5	86	0.370	0.095	0.500	0.046	0.382	79	2
480	40000	800	4.0	200	495	6	58	0.370	0.082	0.000	0.035	0.440	50	2
481	40000	800	4.0	200	497	5	72	0.370	0.116	0.500	0.035	0.305	72	2
482	40000	800	5.0	200	481	7	58	0.370	0.104	0.000	0.035	0.270	95	2
483	40000	800	8.0	150	482	7	55	0.308	0.080	0.000	0.163	0.276	79	2
484	40000	800	6.0	200	467	8	58	0.278	0.044	0.000	0.290	0.367	26	2
485	40000	800	4.0	200	486	3	58	0.247	0.032	0.000	0.210	0.195	56	1
486	40000	800	6.0	200	487	3	58	0.324	0.045	0.000	0.040	0.310	84	2
487	40000	800	5.0	200	488	3	55	0.317	0.036	0.000	0.230	0.248	67	2
488	40000	800	7.0	200	489	3	55	0.316	0.044	0.000	0.294	0.307	75	2
489	40000	800	14.0	150	490	3	55	0.317	0.065	0.000	0.242	0.256	94	2
490	40000	800	13.0	150	491	3	72	0.370	0.081	0.700	0.068	0.320	118	2
491	40000	800	12.0	150	492	3	58	0.370	0.047	0.000	0.050	0.345	79	2
492	40000	800	10.0	150	493	3	70	0.317	0.038	0.000	0.238	0.324	33	2
493	40000	800	5.0	200	494	3	70	0.308	0.044	0.000	0.290	0.367	26	2
494	40000	800	5.0	200	495	3	70	0.370	0.104	0.000	0.057	0.310	85	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
495	40000	800	2.0	225	511	5	70	0.370	0.095	0.000	0.048	0.410	65	2
496	40000	800	2.0	225	512	5	74	0.370	0.081	0.600	0.051	0.410	72	2
497	40000	800	3.0	200	496	7	78	0.370	0.089	0.500	0.049	0.370	77	2
498	40000	800	6.0	200	497	7	78	0.370	0.116	0.500	0.051	0.320	106	2
499	40000	800	9.0	150	498	7	55	0.308	0.045	0.000	0.172	0.479	34	2
500	40000	800	6.0	200	499	7	72	0.353	0.047	0.500	0.051	0.515	31	2
501	40000	800	3.0	200	502	3	78	0.308	0.047	0.500	0.169	0.220	56	2
502	40000	800	4.0	200	487	2	78	0.370	0.045	0.500	0.040	0.310	84	2
503	40000	800	5.0	200	488	2	58	0.333	0.044	0.000	0.278	0.307	64	2
504	40000	800	4.0	200	489	2	72	0.308	0.038	0.500	0.242	0.364	64	2
505	40000	800	5.0	200	506	3	72	0.370	0.058	0.500	0.062	0.410	100	2
506	40000	800	7.0	200	507	3	72	0.370	0.150	0.500	0.035	0.050	170	2
507	40000	800	11.0	150	508	3	74	0.370	0.081	0.600	0.051	0.380	84	2
508	40000	800	8.0	150	509	3	74	0.278	0.036	0.500	0.240	0.296	49	2
509	40000	800	6.0	200	494	2	78	0.255	0.063	0.500	0.240	0.188	79	2
510	40000	800	8.0	150	511	3	78	0.347	0.058	0.500	0.062	0.410	100	2
511	40000	800	6.0	200	512	3	55	0.370	0.054	0.000	0.375	0.213	78	2
512	40000	800	2.0	225	527	6	70	0.370	0.036	0.000	0.240	0.248	67	2
513	40000	800	5.0	200	496	8	78	0.370	0.079	0.500	0.052	0.175	121	2
514	40000	800	6.0	200	513	7	78	0.370	0.090	0.500	0.054	0.213	111	2
515	40000	800	8.0	150	514	7	72	0.350	0.057	0.500	0.048	0.370	52	2
516	40000	800	6.0	200	531	6	72	0.345	0.150	0.500	0.035	0.290	20	2
517	40000	800	1.0	225	518	3	74	0.370	0.029	1.000	0.034	0.113	85	2
518	40000	800	1.0	225	519	3	55	0.370	0.039	0.000	0.038	0.239	73	2
519	40000	800	3.0	200	536	5	55	0.317	0.059	0.000	0.123	0.241	65	2
520	40000	800	5.0	200	521	3	78	0.370	0.088	0.500	0.032	0.111	99	2
521	40000	800	5.0	200	522	3	78	0.370	0.070	0.500	0.034	0.213	105	2
522	40000	800	8.0	150	523	3	78	0.370	0.065	0.500	0.034	0.258	101	2
523	40000	800	9.0	150	524	3	74	0.355	0.071	1.000	0.035	0.248	95	2
524	40000	800	6.0	200	525	3	58	0.352	0.060	0.000	0.036	0.200	93	2
525	40000	800	3.0	200	526	3	58	0.352	0.055	0.000	0.035	0.217	98	2
526	40000	800	8.0	150	527	3	58	0.355	0.050	0.000	0.037	0.353	84	2
527	40000	800	8.0	150	544	5	58	0.293	0.021	0.000	0.223	0.381	52	2
528	40000	800	0.0	0	545	5	100	0.000	0.000	0.000	0.990	0.000	0	0
529	40000	800	6.0	200	528	7	55	0.370	0.028	0.000	0.047	0.347	71	2
530	40000	800	5.0	200	529	7	78	0.370	0.055	0.500	0.044	0.240	94	2
531	40000	800	4.0	200	547	6	78	0.345	0.079	0.500	0.034	0.190	94	2
532	40000	800	7.0	200	548	6	74	0.350	0.079	1.000	0.035	0.150	102	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
533	25613	750	5.0	200	532	7	78	0.370	0.102	0.500	0.031	0.100	112	2
534	40000	800	3.0	200	535	3	58	0.308	0.033	0.000	0.223	0.180	40	2
535	40000	800	0.0	0	536	3	100	0.000	0.000	0.000	0.990	0.000	0	0
536	40000	800	3.0	200	537	3	55	0.308	0.061	0.000	0.164	0.323	48	2
537	40000	800	6.0	200	538	3	72	0.370	0.081	0.500	0.049	0.312	65	2
538	40000	800	6.0	200	554	5	78	0.370	0.111	0.500	0.043	0.234	89	2
539	40000	800	8.0	150	540	3	72	0.370	0.122	0.500	0.048	0.254	89	2
540	40000	800	8.0	150	557	4	61	0.288	0.063	0.500	0.228	0.144	66	2
541	40000	800	5.0	200	558	4	61	0.296	0.078	0.500	0.273	0.062	100	2
542	40000	800	3.0	200	543	3	55	0.370	0.058	0.000	0.055	0.263	98	2
543	40000	800	8.0	150	527	2	55	0.370	0.059	0.000	0.047	0.365	82	2
544	40000	800	8.0	150	545	3	58	0.308	0.020	0.000	0.158	0.463	43	2
545	40000	800	0.0	0	561	5	100	0.000	0.000	0.000	0.990	0.000	0	0
546	40000	800	5.0	200	561	6	58	0.278	0.005	0.000	0.380	0.393	28	2
547	40000	800	7.0	200	562	6	78	0.370	0.051	0.500	0.050	0.217	90	2
548	40000	800	6.0	200	563	6	86	0.353	0.116	0.500	0.037	0.228	130	2
549	40000	800	5.0	200	564	6	78	0.360	0.116	0.500	0.039	0.185	144	2
550	40000	800	3.0	200	551	3	74	0.370	0.076	1.000	0.032	0.150	50	2
551	40000	800	1.0	225	552	3	74	0.308	0.055	0.600	0.206	0.295	34	2
552	40000	800	2.0	225	553	3	58	0.370	0.063	0.000	0.043	0.350	38	2
553	40000	800	6.0	200	554	3	72	0.370	0.081	0.500	0.051	0.440	31	2
554	40000	800	6.0	200	555	3	70	0.370	0.081	0.000	0.068	0.440	42	2
555	40000	800	8.0	150	571	5	55	0.370	0.081	0.000	0.068	0.440	42	2
556	40000	800	7.0	200	572	5	61	0.370	0.047	0.500	0.054	0.405	52	2
557	40000	800	4.0	200	558	3	55	0.370	0.013	0.000	0.065	0.370	62	2
558	40000	800	4.0	200	559	3	58	0.317	0.056	0.000	0.203	0.295	62	2
559	40000	800	8.0	150	560	3	86	0.370	0.047	0.500	0.049	0.388	65	2
560	40000	800	6.0	200	561	3	58	0.296	0.032	0.000	0.225	0.357	54	2
561	40000	800	0.0	0	577	5	100	0.000	0.000	0.000	0.990	0.000	0	0
562	40000	800	2.0	225	561	7	55	0.278	0.006	0.000	0.258	0.472	34	2
563	40000	800	4.0	200	562	7	55	0.370	0.021	0.000	0.171	0.400	51	2
564	40000	800	5.0	200	563	7	78	0.362	0.070	0.500	0.158	0.303	88	2
565	40000	800	5.0	200	580	6	78	0.360	0.123	0.500	0.038	0.158	149	2
566	40000	800	2.0	225	551	2	74	0.370	0.054	0.600	0.027	0.150	53	2
567	40000	800	2.0	225	568	3	74	0.370	0.150	0.600	0.035	0.290	20	2
568	40000	800	1.0	225	569	3	58	0.329	0.044	0.000	0.164	0.314	49	2
569	40000	800	6.0	200	570	3	58	0.333	0.079	0.000	0.205	0.342	44	2
570	40000	800	9.0	150	571	3	70	0.370	0.116	0.000	0.051	0.365	61	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
571	40000	800	8.0	150	556	2	74	0.370	0.081	0.500	0.068	0.440	72	2
572	40000	800	9.0	150	573	3	58	0.370	0.013	0.000	0.068	0.590	42	2
573	40000	800	9.0	150	574	3	55	0.370	0.013	0.000	0.049	0.370	51	2
574	40000	800	8.0	150	590	5	61	0.324	0.050	0.500	0.178	0.274	62	2
575	40000	800	5.0	200	560	2	58	0.278	0.038	0.000	0.237	0.310	52	2
576	40000	800	6.0	200	560	1	58	0.278	0.036	0.000	0.251	0.398	44	2
577	40000	800	0.0	0	593	5	100	0.000	0.000	0.000	0.990	0.000	0	0
578	40000	800	3.0	200	593	6	58	0.247	0.005	0.000	0.310	0.443	26	1
579	40000	800	3.0	200	578	7	58	0.278	0.004	0.000	0.299	0.370	34	2
580	40000	800	6.0	200	595	6	58	0.370	0.029	0.000	0.067	0.403	62	2
581	40000	800	3.0	200	596	6	78	0.370	0.150	0.500	0.035	0.050	170	2
582	40000	800	3.0	200	567	2	72	0.357	0.078	0.500	0.029	0.182	25	2
583	40000	800	2.0	225	600	4	61	0.363	0.078	0.600	0.029	0.182	25	2
584	40000	800	1.0	225	600	5	74	0.317	0.079	0.600	0.196	0.268	51	2
585	40000	800	5.0	200	602	4	74	0.370	0.116	0.500	0.051	0.365	76	2
586	40000	800	5.0	200	587	3	74	0.370	0.116	0.500	0.051	0.365	76	2
587	40000	800	6.0	200	588	3	55	0.370	0.104	0.000	0.057	0.390	75	2
588	40000	800	7.0	200	604	5	58	0.370	0.013	0.000	0.068	0.590	42	2
589	40000	800	8.0	150	590	3	58	0.308	0.009	0.000	0.290	0.443	26	2
590	40000	800	6.0	200	591	3	55	0.370	0.013	0.000	0.055	0.443	48	2
591	40000	800	6.0	200	592	3	55	0.308	0.009	0.000	0.289	0.333	36	2
592	40000	800	0.0	0	593	3	100	0.000	0.000	0.000	0.990	0.000	0	0
593	40000	800	8.0	150	594	3	55	0.278	0.008	0.000	0.375	0.393	28	2
594	40000	800	0.0	0	610	5	100	0.000	0.000	0.000	0.990	0.000	0	0
595	40000	800	1.0	225	611	5	58	0.278	0.004	0.000	0.208	0.423	32	2
596	40000	800	5.0	200	611	6	58	0.278	0.018	0.000	0.169	0.419	44	2
597	40000	800	6.0	200	612	6	78	0.370	0.051	0.500	0.064	0.313	80	2
598	40000	800	4.0	200	614	5	78	0.370	0.076	0.500	0.046	0.175	110	2
599	40000	800	1.0	225	600	3	72	0.360	0.078	0.600	0.029	0.182	25	2
600	40000	800	4.0	200	616	4	74	0.363	0.093	0.500	0.030	0.156	66	2
601	40000	800	6.0	200	602	3	74	0.370	0.058	0.500	0.055	0.343	68	2
602	40000	800	2.0	225	603	3	55	0.370	0.104	0.000	0.057	0.390	75	2
603	40000	800	3.0	200	587	1	74	0.370	0.081	0.500	0.068	0.440	72	2
604	40000	800	10.0	150	589	2	61	0.370	0.047	0.600	0.050	0.405	56	2
605	40000	800	12.0	150	606	3	61	0.370	0.047	0.600	0.050	0.345	79	2
606	40000	800	5.0	200	590	1	74	0.370	0.068	0.500	0.047	0.334	79	2
607	40000	800	0.1	225	592	2	74	0.370	0.081	1.000	0.068	0.440	72	2
608	40000	800	0.1	225	593	2	58	0.370	0.058	0.000	0.057	0.490	55	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
609	40000	800	3.0	200	610	3	58	0.296	0.013	0.000	0.068	0.590	42	2
610	40000	800	5.0	200	611	3	55	0.278	0.008	0.000	0.375	0.393	28	2
611	40000	800	0.0	0	626	5	100	0.000	0.000	0.000	0.990	0.000	0	0
612	40000	800	2.0	225	626	6	58	0.247	0.005	0.000	0.310	0.443	26	1
613	40000	800	4.0	200	628	5	58	0.370	0.039	0.000	0.063	0.310	72	2
614	40000	800	4.0	200	628	6	58	0.296	0.023	0.000	0.333	0.261	44	2
615	40000	800	4.0	200	601	2	72	0.357	0.054	0.500	0.027	0.067	77	2
616	40000	800	4.0	200	602	2	74	0.357	0.079	0.500	0.031	0.228	68	2
617	40000	800	2.0	225	603	2	74	0.370	0.081	0.600	0.045	0.367	64	2
618	40000	800	0.1	225	619	3	55	0.370	0.104	0.000	0.057	0.390	75	2
619	40000	800	4.0	200	620	3	61	0.317	0.079	0.500	0.204	0.188	91	2
620	40000	800	14.0	150	605	1	78	0.370	0.081	0.700	0.050	0.210	116	2
621	40000	800	10.0	150	622	3	78	0.370	0.116	0.600	0.051	0.245	121	2
622	40000	800	0.1	225	608	2	78	0.308	0.078	1.000	0.290	0.233	79	2
623	40000	800	2.0	225	624	3	55	0.308	0.044	0.000	0.290	0.307	64	2
624	40000	800	4.0	200	640	4	58	0.296	0.008	0.000	0.375	0.393	28	2
625	40000	800	5.0	200	626	3	58	0.278	0.007	0.000	0.306	0.443	26	2
626	40000	800	6.0	200	627	3	55	0.278	0.006	0.000	0.545	0.295	32	2
627	40000	800	0.0	0	642	5	100	0.000	0.000	0.000	0.990	0.000	0	0
628	40000	800	2.0	225	643	5	58	0.247	0.005	0.000	0.397	0.293	28	1
629	40000	800	4.0	200	643	6	58	0.222	0.021	0.000	0.304	0.265	47	1
630	40000	800	5.0	200	629	7	78	0.247	0.051	0.500	0.375	0.213	63	1
631	40000	800	5.0	200	617	2	72	0.345	0.054	0.500	0.027	0.067	77	2
632	40000	800	5.0	200	618	2	58	0.364	0.070	0.000	0.041	0.246	81	2
633	40000	800	2.0	225	618	1	78	0.370	0.081	0.600	0.046	0.360	88	2
634	40000	800	3.0	200	648	5	78	0.308	0.061	0.500	0.163	0.186	92	2
635	40000	800	12.0	150	636	3	78	0.370	0.066	0.600	0.048	0.170	109	2
636	40000	800	12.0	150	637	3	78	0.370	0.095	0.600	0.047	0.178	127	2
637	40000	800	2.0	225	638	3	78	0.370	0.104	0.600	0.057	0.230	135	2
638	40000	800	3.0	200	639	3	58	0.370	0.065	0.000	0.074	0.374	98	2
639	40000	800	1.0	225	640	3	58	0.308	0.005	0.000	0.397	0.393	28	2
640	40000	800	0.0	0	641	3	100	0.000	0.000	0.000	0.990	0.000	0	0
641	40000	800	0.0	0	626	1	100	0.000	0.000	0.000	0.990	0.000	0	0
642	40000	800	0.0	0	643	3	100	0.000	0.000	0.000	0.990	0.000	0	0
643	40000	800	0.0	0	657	5	100	0.000	0.000	0.000	0.990	0.000	0	0
644	40000	800	3.0	200	657	6	60	0.278	0.028	0.000	0.224	0.255	59	2
645	40000	800	4.0	200	658	6	78	0.370	0.032	0.500	0.070	0.366	62	2
646	40000	800	6.0	200	647	3	72	0.349	0.102	0.500	0.031	0.180	62	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
647	40000	800	4.0	200	648	3	72	0.370	0.093	0.500	0.031	0.198	92	2
648	40000	800	4.0	200	663	4	55	0.324	0.064	0.000	0.135	0.179	84	2
649	40000	800	8.0	150	650	3	78	0.370	0.036	0.500	0.044	0.162	91	2
650	40000	800	9.0	150	637	2	78	0.370	0.089	0.600	0.041	0.136	126	2
651	40000	800	7.0	200	638	2	78	0.370	0.065	0.500	0.057	0.258	110	2
652	40000	800	6.0	200	653	3	55	0.296	0.054	0.000	0.213	0.215	92	2
653	40000	800	10.0	150	654	3	84	0.278	0.004	1.000	0.369	0.200	48	2
654	40000	800	12.0	150	640	1	58	0.296	0.005	0.000	0.397	0.393	28	2
655	40000	800	10.0	150	641	1	58	0.278	0.004	0.000	0.323	0.443	26	2
656	40000	800	12.0	150	643	2	58	0.278	0.004	0.000	0.323	0.443	26	2
657	40000	800	0.0	0	658	3	100	0.000	0.000	0.000	0.990	0.000	0	0
658	40000	800	4.0	200	672	5	58	0.247	0.005	0.000	0.397	0.293	28	1
659	40000	800	1.0	225	674	4	60	0.278	0.007	0.000	0.323	0.292	38	2
660	40000	800	3.0	200	661	3	72	0.340	0.111	0.500	0.035	0.376	20	2
661	40000	800	6.0	200	662	3	72	0.370	0.072	0.500	0.044	0.461	26	2
662	40000	800	6.0	200	663	3	58	0.370	0.087	0.500	0.047	0.366	53	2
663	40000	800	2.0	225	664	3	78	0.370	0.116	0.600	0.051	0.245	106	2
664	40000	800	7.0	200	665	3	78	0.370	0.116	0.500	0.051	0.245	106	2
665	40000	800	10.0	150	666	3	78	0.370	0.095	0.600	0.048	0.314	101	2
666	40000	800	8.0	150	652	1	55	0.370	0.056	0.000	0.053	0.313	95	2
667	40000	800	8.0	150	653	1	55	0.370	0.037	0.000	0.070	0.366	89	2
668	40000	800	4.0	200	667	7	55	0.370	0.030	0.000	0.075	0.403	70	2
669	40000	800	4.0	200	656	2	58	0.370	0.004	0.000	0.079	0.445	46	2
670	40000	800	8.0	150	671	3	55	0.370	0.004	0.000	0.248	0.492	24	2
671	40000	800	12.0	150	672	3	58	0.278	0.003	0.000	0.215	0.423	32	2
672	40000	800	0.0	0	673	3	100	0.000	0.000	0.000	0.990	0.000	0	0
673	40000	800	0.0	0	687	5	100	0.000	0.000	0.000	0.990	0.000	0	0
674	25613	750	0.0	0	687	6	100	0.000	0.000	0.000	0.990	0.000	0	0
675	40000	800	6.0	200	676	3	72	0.350	0.095	0.500	0.048	0.410	29	2
676	40000	800	7.0	200	663	2	72	0.370	0.091	0.500	0.032	0.178	44	2
677	40000	800	4.0	200	664	2	72	0.370	0.104	0.500	0.057	0.310	85	2
678	40000	800	3.0	200	664	1	74	0.370	0.122	0.500	0.048	0.302	83	2
679	40000	800	5.0	200	680	3	74	0.370	0.095	0.500	0.048	0.410	65	2
680	40000	800	8.0	150	666	1	78	0.370	0.081	0.500	0.046	0.360	88	2
681	40000	800	8.0	150	668	2	78	0.370	0.081	0.500	0.051	0.320	106	2
682	40000	800	5.0	200	668	1	78	0.308	0.055	0.500	0.218	0.312	82	2
683	40000	800	4.0	200	682	7	78	0.370	0.034	0.500	0.060	0.366	71	2
684	40000	800	6.0	200	671	2	78	0.308	0.021	0.500	0.177	0.400	51	2

CELL #	AREA	PERIMETER	SLOPE	LENSLP	RECEIVE	ASPECT	CN	K	C	P	N	SCC	COD	TEXTURE
685	40000	800	7.0	200	686	3	58	0.370	0.006	0.000	0.078	0.493	45	2
686	40000	800	11.0	150	673	2	58	0.296	0.007	0.000	0.310	0.443	38	2
687	40000	800	0.0	0	717	3	100	0.000	0.000	0.000	0.990	0.000	0	0
688	40000	800	4.0	200	689	3	72	0.353	0.150	0.500	0.035	0.290	20	2
689	40000	800	5.0	200	677	2	74	0.370	0.088	1.000	0.042	0.219	65	2
690	40000	800	5.0	200	678	2	78	0.370	0.095	0.500	0.048	0.362	59	2
691	40000	800	6.0	200	692	3	74	0.370	0.081	0.500	0.046	0.400	72	2
692	40000	800	8.0	150	679	1	74	0.278	0.056	0.500	0.205	0.392	44	2
693	40000	800	9.0	150	680	1	55	0.370	0.081	0.000	0.059	0.450	78	2
694	40000	800	8.0	150	681	1	78	0.296	0.082	0.500	0.043	0.320	118	2
695	40000	800	8.0	150	682	1	78	0.370	0.150	0.500	0.035	0.050	170	2
696	40000	800	8.0	150	683	1	55	0.370	0.082	0.000	0.043	0.320	118	2
697	40000	800	7.0	200	685	2	78	0.370	0.031	0.500	0.053	0.250	74	2
698	40000	800	5.0	200	686	2	55	0.370	0.004	0.000	0.056	0.358	53	2
699	40000	800	7.0	200	700	3	58	0.278	0.003	0.000	0.323	0.257	49	2
700	40000	800	4.0	200	686	8	79	0.278	0.001	1.000	0.369	0.202	47	2
701	40000	800	3.0	200	689	2	72	0.353	0.150	0.500	0.035	0.290	20	2
702	40000	800	3.0	200	690	2	72	0.360	0.077	0.500	0.043	0.247	48	2
703	40000	800	2.0	225	704	3	72	0.370	0.104	0.600	0.046	0.390	28	2
704	40000	800	4.0	200	691	1	72	0.370	0.068	0.500	0.048	0.422	59	2
705	40000	800	4.0	200	706	3	78	0.264	0.056	0.500	0.256	0.366	42	1
706	40000	800	4.0	200	694	2	74	0.370	0.080	1.000	0.054	0.345	82	2
707	40000	800	4.0	200	695	2	55	0.317	0.104	0.000	0.040	0.230	135	2
708	40000	800	4.0	200	695	1	78	0.370	0.111	0.500	0.039	0.204	140	2
709	40000	800	5.0	200	696	1	55	0.370	0.116	0.000	0.039	0.185	144	2
710	40000	800	4.0	200	711	3	78	0.370	0.102	0.500	0.041	0.234	55	2
711	40000	800	3.0	200	703	1	78	0.370	0.122	0.500	0.048	0.302	59	2
712	40000	800	3.0	200	703	8	72	0.370	0.116	0.500	0.051	0.245	106	2
713	40000	800	2.0	225	716	5	78	0.370	0.150	0.600	0.035	0.310	70	2
714	40000	800	2.0	225	705	8	74	0.370	0.101	0.600	0.037	0.117	100	2
715	25600	750	0.1	225	709	1	78	0.370	0.082	1.000	0.043	0.320	118	2
716	25600	750	3.0	200	712	8	61	0.370	0.054	0.500	0.027	0.070	103	2

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
1	B	1	0.111	1	0	1	1	CORN	CROPLAND	4 - SE
2	B	0	0.367	1	0	1	1	SOYBEANS	CROPLAND	3 - E
3	B	0	0.187	1	0	1	1	CORN	CROPLAND	3 - E
4	B	0	0.851	1	0	1	1	CORN	CROPLAND	5 - S
5	B	1	0.851	1	0	1	1	CORN	CROPLAND	5 - S
6	B	0	0.851	1	0	1	1	SOYBEANS	CROPLAND	3 - E
7	B	0	0.851	1	0	1	1	SOYBEANS	CROPLAND	3 - E
8	B	0	1.374	1	0	1	1	SOYBEANS	CROPLAND	1 - N
9	B	0	1.374	1	0	1	1	SOYBEANS	CROPLAND	4 - SE
10	B	0	2.211	1	0	1	1	SOYBEANS	CROPLAND	3 - E
11	B	0	2.120	1	0	1	1		HERB.RANGELAND	5 - S
12	B	1	2.619	1	0	1	1	CORN	CROPLAND	3 - E
13	B	0	2.120	1	0	1	3	CORN	CROPLAND	3 - E
14	B	1	0.851	1	0	1	1	CORN	CROPLAND	3 - E
15	B	0	3.061	1	0	1	1	CORN	CROPLAND	3 - E
16	B	0	2.211	1	0	1	3	CORN	CROPLAND	3 - E
17	B	0	1.374	1	0	1	1	CORN	CROPLAND	3 - E
18	B	0	2.120	0	0	0	1		FARMPONDS	5 - S
19	B	0	1.374	1	0	1	3	SOYBEANS	CROPLAND	5 - S
20	B	0	1.728	1	0	1	1		HERB.RANGELAND	3 - E
21	B	0	1.374	1	0	1	3		HERB.RANGELAND	5 - S
22	B	0	0.506	1	0	1	3	CORN	CROPLAND	6 - SW
23	B	1	0.506	1	0	1	1		FARMSTEADS	5 - S
24	B	1	2.619	1	0	1	1	CORN	CROPLAND	3 - E
25	B	1	2.211	1	0	1	3	CORN	CROPLAND	3 - E
26	B	1	1.374	1	0	1	3	CORN	CROPLAND	1 - N
27	B	1	2.619	1	0	1	1	CORN	CROPLAND	3 - E
28	B	1	3.061	1	0	1	1	CORN	CROPLAND	3 - E
29	B	1	1.728	1	0	1	3	CORN	CROPLAND	3 - E
30	B	0	1.728	1	0	1	3	CORN	CROPLAND	3 - E
31	B	0	0.367	1	0	1	0	SOYBEANS	CROPLAND	3 - E
32	B	0	1.374	1	0	1	2		SHRUB-BRUSH	3 - E
33	B	0	2.120	1	0	1	1		HERB.RANGELAND	3 - E
34	B	0	0.187	1	0	1	3		HERB.RANGELAND	5 - S
35	B	1	0.367	1	0	1	3	CORN	CROPLAND	5 - S
36	B	1	0.187	1	0	1	1	CORN	CROPLAND	5 - S
37	B	1	0.187	1	0	1	1	CORN	CROPLAND	5 - S
38	B	1	1.374	1	0	1	1	CORN	CROPLAND	3 - E

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
39	B	1	2.211	1	0	1	1		SHRUB-BRUSH	3 - E
40	B	1	3.061	1	0	1	1		SHRUB-BRUSH	3 - E
41	B	1	2.120	1	0	1	3		DECIDUOUS FOREST	3 - E
42	B	0	2.120	1	0	1	2	CORN	CROPLAND	3 - E
43	B	0	2.619	1	0	1	2	CORN	CROPLAND	2 - NE
44	B	0	2.211	1	0	1	1		DECIDUOUS FOREST	3 - E
45	B	0	0.851	1	0	1	1		DECIDUOUS FOREST	3 - E
46	B	0	0.851	1	0	1	0	SOYBEANS	CROPLAND	1 - N
47	B	1	2.619	1	0	1	1		CONFINED FEEDING	2 - NE
48	B	0	2.619	1	0	1	1		HERB.RANGELAND	3 - E
49	B	0	0.851	1	0	1	0		HERB.RANGELAND	3 - E
50	B	1	0.506	1	0	1	0	CORN	CROPLAND	3 - E
51	B	0	0.367	1	0	1	1	CORN	CROPLAND	5 - S
52	B	1	0.187	1	0	1	1	CORN	CROPLAND	4 - SE
53	B	1	0.367	1	0	1	1		DECIDUOUS FOREST	3 - E
54	B	1	2.211	1	0	1	1	CORN/SOYBE/	CROPLAND	3 - E
55	B	1	4.048	1	0	1	1	CORN/SOYBE/	CROPLAND	3 - E
56	B	0	1.374	1	0	1	3	CORN	CROPLAND	3 - E
57	B	0	1.374	1	0	1	2	CORN	CROPLAND	2 - NE
58	B	0	1.728	1	0	1	2	CORN	CROPLAND	3 - E
59	B	0	2.211	1	0	1	2		DECIDUOUS FOREST	2 - NE
60	B	0	1.728	1	0	1	2	ACP	CROPLAND	1 - N
61	B	1	0.851	1	0	1	0		CONFINED FEEDING	2 - NE
62	B	1	1.374	1	0	1	1	SOYBEANS	CROPLAND	2 - NE
63	B	0	2.619	1	0	1	2	SOYBEANS	CROPLAND	2 - NE
64	B	0	1.728	1	0	1	2	CORN	CROPLAND	2 - NE
65	B	0	0.367	1	0	1	3	CORN	CROPLAND	4 - SE
66	B	1	0.851	1	0	1	1	CORN	CROPLAND	3 - E
67	B	1	1.374	1	0	1	1		PASTURE	5 - S
68	B	0	0.851	1	0	1	1	SOYBEANS	CROPLAND	5 - S
69	C	1	0.367	1	0	1	1	SOYBEANS	CROPLAND	5 - S
70	B	1	0.187	1	0	1	1	SOYBEANS/C(	CROPLAND	6 - SW
71	B	1	0.506	1	0	1	1	SOYBEANS/C(	CROPLAND	6 - SW
72	B	1	0.851	1	0	1	1	CORN	CROPLAND	7 - w
73	B	1	0.506	1	0	1	1	CORN	CROPLAND	7 - w
74	B	0	0.111	1	0	1	1	CORN/SOYBE/	CROPLAND	2 - NE
75	B	0	2.619	1	0	1	1	SOYBEANS	CROPLAND	3 - E
76	B	0	3.538	1	0	1	1	SOYBEANS	CROPLAND	3 - E

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
77	B	0	0.506	1	0	1	2	FALLOW	CROPLAND	3 - E
78	B	0	1.728	1	0	1	1		HERB.RANGELAND	3 - E
79	B	0	2.120	1	0	1	1		HERB.RANGELAND	3 - E
80	B	0	1.374	1	0	1	3	ACP	CROPLAND	3 - E
81	B	1	0.367	1	0	1	3	CORN/SOYBE	CROPLAND	1 - N
82	B	1	0.367	1	0	1	3	CORN/SOYBE	CROPLAND	3 - E
83	B	0	0.187	1	0	1	1	CORN/SOYBE	CROPLAND	3 - E
84	B	0	1.728	1	0	1	1	CORN/SOYBE	CROPLAND	2 - NE
85	B	1	2.211	1	0	1	2	CORN	CROPLAND	3 - E
86	B	1	0.851	1	0	1	3	CORN	CROPLAND	3 - E
87	B	1	1.374	1	0	1	1	CORN	CROPLAND	5 - S
88	B	1	1.374	1	0	1	1		PASTURE	3 - E
89	B	0	1.374	1	0	1	3	ACP	CROPLAND	5 - S
90	B	1	0.851	1	0	1	3	ACP	CROPLAND	6 - SW
91	B	1	0.367	1	0	1	3	CORN	CROPLAND	6 - SW
92	B	1	0.367	1	0	1	2	CORN	CROPLAND	7 - w
93	B	1	0.851	1	0	1	1	CORN	CROPLAND	5 - S
94	B	0	0.851	1	0	1	2	CORN	CROPLAND	7 - w
95	B	1	0.187	1	0	1	1	CORN	CROPLAND	7 - w
96	B	1	0.506	1	0	1	1	CORN	CROPLAND	5 - S
97	B	1	0.187	1	0	1	1	CORN	CROPLAND	7 - w
98	B	0	0.111	1	0	1	1	SOYBEANS	CROPLAND	6 - SW
99	B	0	3.061	1	0	1	1	SOYBEANS	CROPLAND	3 - E
100	B	0	3.538	1	0	1	1	SOYBEANS	CROPLAND	3 - E
101	B	0	0.851	1	0	1	3	ACP	CROPLAND	3 - E
102	B	0	2.211	1	0	1	1	ACP	CROPLAND	3 - E
103	B	0	2.619	1	0	1	1	ACP	CROPLAND	1 - N
104	B	1	0.851	1	0	1	3	ACP	CROPLAND	4 - SE
105	B	1	2.211	1	0	1	1	CORN/SOYBE	CROPLAND	4 - SE
106	B	1	3.061	1	0	1	1	CORN/SOYBE	CROPLAND	5 - S
107	B	1	1.728	1	0	1	1	CORN/SOYBE	CROPLAND	6 - SW
108	B	1	0.367	1	0	1	1	CORN/SOYBE	CROPLAND	4 - SE
109	B	1	2.211	1	0	1	1	CORN	CROPLAND	3 - E
110	B	1	1.374	1	0	1	3	CORN	CROPLAND	3 - E
111	B	1	2.120	1	0	1	1	CORN	CROPLAND	3 - E
112	B	1	1.728	1	0	1	3	CORN	CROPLAND	3 - E
113	B	0	0.367	1	0	1	3		SHRUB-BRUSH	5 - S
114	B	1	1.374	1	0	1	3	ACP	CROPLAND	6 - SW

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
115	B	1	1.374	1	0	1	2	CORN	CROPLAND	7 - w
116	B	1	0.851	1	0	1	1	CORN	CROPLAND	5 - S
117	B	1	0.506	1	0	1	1	CORN	CROPLAND	7 - w
118	B	1	0.851	1	0	1	1	CORN	CROPLAND	7 - w
119	B	1	0.367	1	0	1	1	CORN	CROPLAND	1 - N
120	B	1	0.367	1	0	1	2	CORN	CROPLAND	7 - w
121	B	0	0.187	1	0	1	1	CORN	CROPLAND	7 - w
122	B	0	0.187	1	0	1	1	SOYBEANS	CROPLAND	7 - w
123	B	0	2.120	1	0	1	1	SOYBEANS	CROPLAND	3 - E
124	B	0	4.593	1	0	1	1	SOYBEANS	CROPLAND	3 - E
125	B	0	2.211	1	0	1	2	ACP	CROPLAND	1 - N
126	B	1	1.374	1	0	1	1	ACP	CROPLAND	2 - NE
127	B	1	3.538	1	0	1	1	ACP	CROPLAND	2 - NE
128	B	1	3.538	1	0	1	3	ACP	CROPLAND	3 - E
129	B	1	2.211	1	0	1	1		DECIDUOUS FOREST	3 - E
130	B	1	2.120	1	0	1	3	ACP	CROPLAND	5 - S
131	B	1	2.120	1	0	1	3	CORN	CROPLAND	6 - SW
132	B	1	0.506	1	0	1	3	CORN	CROPLAND	6 - SW
133	B	1	2.211	1	0	1	1		HERB.RANGELAND	3 - E
134	B	1	0.851	1	0	1	3		HERB.RANGELAND	3 - E
135	B	1	2.120	1	0	1	1		HERB.RANGELAND	3 - E
136	B	1	2.211	1	0	1	1	CORN	CROPLAND	3 - E
137	B	1	0.506	1	0	1	1	FALLOW	CROPLAND	5 - S
138	B	1	0.506	1	0	1	2	FALLOW	CROPLAND	7 - w
139	B	1	2.120	1	0	1	1	FALLOW	CROPLAND	5 - S
140	B	1	1.374	1	0	1	2	ACP	CROPLAND	7 - w
141	B	1	0.187	1	0	1	3	ACP	CROPLAND	7 - w
142	B	0	0.851	1	0	1	1		HERB.RANGELAND	7 - w
143	B	0	0.851	1	0	1	2	CORN	CROPLAND	7 - w
144	B	1	0.367	1	0	1	0	CORN	CROPLAND	6 - SW
145	B	0	0.187	1	0	1	1	CORN	CROPLAND	8 - NW
146	B	1	4.593	1	0	1	1	CORN/SOYBE	CROPLAND	3 - E
147	B	0	2.211	0	0	0	1		FARMPONDS	2 - NE
148	B	1	0.851	1	0	1	2	ACP	CROPLAND	3 - E
149	B	0	2.211	1	0	1	1		HERB.RANGELAND	3 - E
150	B	0	5.784	1	0	1	1		HERB.RANGELAND	5 - S
151	B	1	3.538	1	0	1	3	FALLOW	CROPLAND	3 - E
152	B	1	0.111	1	0	1	0	ACP	CROPLAND	3 - E

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
153	B	0	1.728	1	0	1	1	CORN	CROPLAND	5 - S
154	B	1	1.374	1	0	1	3	CORN	CROPLAND	6 - SW
155	B	1	1.728	1	0	1	1	SOYBEANS/C(	CROPLAND	3 - E
156	B	0	1.374	1	0	1	3	SOYBEANS/C(	CROPLAND	3 - E
157	B	1	2.211	1	0	1	1	ACP	CROPLAND	3 - E
158	B	1	2.211	1	0	1	3	ACP	CROPLAND	3 - E
159	B	1	0.187	1	0	1	1	FALLOW	CROPLAND	5 - S
160	B	0	2.211	1	0	1	1	FALLOW	CROPLAND	7 - w
161	B	1	2.211	1	0	1	2		CONFINED FEEDING	7 - w
162	B	1	0.506	1	0	1	0	ACP	CROPLAND	6 - SW
163	B	1	0.111	1	0	1	2	FALLOW	CROPLAND	1 - N
164	B	1	1.374	1	0	1	1	FALLOW	CROPLAND	7 - w
165	B	1	1.374	1	0	1	2	FALLOW	CROPLAND	7 - w
166	B	1	0.111	1	0	1	1	CORN	CROPLAND	7 - w
167	B	1	1.728	1	0	1	1		PASTURE	3 - E
168	B	0	1.728	1	0	1	2		DECIDUOUS FOREST	3 - E
169	B	0	0.851	1	0	1	3	ACP	CROPLAND	3 - E
170	B	0	2.120	1	0	1	1		HERB.RANGELAND	3 - E
171	B	0	5.784	1	0	1	1	ACP	CROPLAND	3 - E
172	B	0	4.593	1	0	1	3	ACP	CROPLAND	3 - E
173	B	1	0.111	1	0	1	0		DECIDUOUS FOREST	3 - E
174	B	0	0.851	1	0	1	1		PASTURE	5 - S
175	B	1	1.728	1	0	1	1	WHEAT	CROPLAND	5 - S
176	B	1	1.374	1	0	1	3	SOYBEANS	CROPLAND	3 - E
177	B	0	1.728	1	0	1	1	SOYBEANS	CROPLAND	5 - S
178	C	0	2.211	1	0	1	1		SHRUB-BRUSH	3 - E
179	B	1	2.120	1	0	1	3	CORN	CROPLAND	5 - S
180	B	1	0.506	1	0	1	1	CORN	CROPLAND	5 - S
181	B	0	3.538	1	0	1	1	WHEAT	CROPLAND	7 - w
182	B	0	1.728	1	0	1	2	WHEAT	CROPLAND	8 - NW
183	B	0	0.187	1	0	1	2		PASTURE	8 - NW
184	B	1	0.367	1	0	1	2	SOYBEANS/W	CROPLAND	8 - NW
185	B	1	1.374	1	0	1	1	FALLOW	CROPLAND	1 - N
186	B	1	0.851	1	0	1	1	CORN	CROPLAND	7 - w
187	B	1	0.851	1	0	1	1	CORN/SOYBE/	CROPLAND	7 - w
188	B	0	0.851	1	0	1	1	FALLOW	CROPLAND	3 - E
189	B	0	1.728	1	0	1	1	FALLOW	CROPLAND	3 - E
190	B	1	2.120	1	0	1	1	ACP	CROPLAND	3 - E

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
191	B	0	3.538	1	0	1	1	ACP	CROPLAND	3 - E
192	B	0	5.171	1	0	1	2	ACP	CROPLAND	3 - E
193	B	0	0.851	1	0	1	2	SOYBEANS	CROPLAND	1 - N
194	B	0	0.187	1	0	1	1	SOYBEANS	CROPLAND	3 - E
195	B	0	0.367	1	0	1	3	FALLOW	CROPLAND	5 - S
196	B	0	0.506	1	0	1	3	SOYBEANS	CROPLAND	4 - SE
197	B	0	1.374	1	0	1	1	SOYBEANS	CROPLAND	3 - E
198	B	0	2.619	1	0	1	1	SOYBEANS	CROPLAND	1 - N
199	B	0	1.728	1	0	1	3	SOYBEANS	CROPLAND	3 - E
200	B	1	2.211	1	0	1	1	CORN	CROPLAND	5 - S
201	B	0	4.048	1	0	1	1	WHEAT	CROPLAND	7 - w
202	B	0	1.374	1	0	1	0	SOYBEANS	CROPLAND	6 - SW
203	B	0	0.506	1	0	1	2		HERB.RANGELAND	8 - NW
204	B	0	0.506	1	0	1	1	SOYBEANS/W	CROPLAND	8 - NW
205	B	1	0.506	1	0	1	2	SOYBEANS	CROPLAND	7 - w
206	B	1	0.506	1	0	1	3	CORN	CROPLAND	6 - SW
207	B	0	0.851	1	0	1	1	SOYBEANS	CROPLAND	4 - SE
208	B	0	2.619	1	0	1	1		DECIDUOUS FOREST	3 - E
209	B	0	1.728	1	0	1	3		DECIDUOUS FOREST	3 - E
210	B	0	1.374	1	0	1	3	SOYBEANS	CROPLAND	1 - N
211	B	0	4.593	1	0	1	1	SOYBEANS	CROPLAND	3 - E
212	B	0	3.061	1	0	1	3		DECIDUOUS FOREST	3 - E
213	B	0	1.374	1	0	1	1	SOYBEANS	CROPLAND	5 - S
214	B	1	2.120	1	0	1	1		PASTURE	5 - S
215	B	1	2.211	1	0	1	1	SOYBEANS	CROPLAND	5 - S
216	B	0	2.120	1	0	1	1	SOYBEANS	CROPLAND	4 - SE
217	B	0	2.211	1	0	1	1	SOYBEANS	CROPLAND	3 - E
218	B	0	0.851	1	0	1	2	WHEAT	CROPLAND	2 - NE
219	B	1	4.593	1	0	1	1	WHEAT	CROPLAND	5 - S
220	B	1	3.538	1	0	1	1	CORN	CROPLAND	7 - w
221	B	1	0.506	1	0	1	0		CONFINED FEEDING	6 - SW
222	B	0	0.367	1	0	1	0		FARMSTEADS	6 - SW
223	B	0	0.187	1	0	1	2	SOYBEANS	CROPLAND	8 - NW
224	B	0	0.187	1	0	1	3	SOYBEANS	CROPLAND	6 - SW
225	B	1	0.367	1	0	1	3	CORN	CROPLAND	5 - S
226	B	1	0.367	1	0	1	1	CORN/SOYBE	CROPLAND	5 - S
227	B	0	2.211	1	0	1	1	SOYBEANS	CROPLAND	4 - SE
228	B	0	0.367	1	0	1	3		DECIDUOUS FOREST	3 - E

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
229	B	0	0.851	1	0	1	1		DECIDUOUS FOREST	3 - E
230	B	0	2.619	1	0	1	1	CORN	CROPLAND	5 - S
231	B	0	5.171	1	0	1	1	SOYBEANS	CROPLAND	3 - E
232	B	0	2.619	1	0	1	3	SOYBEANS	CROPLAND	3 - E
233	C	1	2.120	1	0	1	1		PASTURE	3 - E
234	B	0	2.211	1	0	1	3		HERB.RANGELAND	5 - S
235	B	0	2.211	0	0	0	1		FARMPONDS	5 - S
236	B	0	1.374	1	0	1	3	SOYBEANS	CROPLAND	4 - SE
237	B	0	0.367	1	0	1	1		HERB.RANGELAND	5 - S
238	B	0	4.593	1	0	1	1		PASTURE	7 - w
239	B	1	2.120	1	0	1	1		PASTURE	7 - w
240	B	1	0.111	1	0	1	3		PASTURE	4 - SE
241	B	0	0.187	1	0	1	3	SOYBEANS	CROPLAND	5 - S
242	B	0	0.367	1	0	1	1	SOYBEANS	CROPLAND	5 - S
243	B	0	0.367	1	0	1	1	SOYBEANS	CROPLAND	5 - S
244	B	1	0.187	1	0	1	1	CORN	CROPLAND	7 - w
245	B	1	0.187	1	0	1	1	CORN/SOYBE	CROPLAND	7 - w
246	B	0	0.506	1	0	1	0	CORN	CROPLAND	3 - E
247	B	0	1.728	1	0	1	1	SOYBEANS	CROPLAND	1 - N
248	B	0	1.728	1	0	1	1	SOYBEANS	CROPLAND	2 - NE
249	B	0	2.211	1	0	1	1	SOYBEANS	CROPLAND	3 - E
250	B	0	5.784	1	0	1	1		DECIDUOUS FOREST	3 - E
251	B	1	3.061	1	0	1	2		PASTURE	3 - E
252	B	1	3.538	1	0	1	1		PASTURE	1 - N
253	B	1	2.619	1	0	1	1		PASTURE	3 - E
254	B	1	0.187	1	0	1	3		PASTURE	5 - S
255	B	1	0.506	1	0	1	1		PASTURE	4 - SE
256	B	0	1.728	1	0	1	1		PASTURE	5 - S
257	B	1	4.593	1	0	1	1		HERB.RANGELAND	7 - w
258	B	1	0.851	1	0	1	1	SOYBEANS	CROPLAND	7 - w
259	B	0	0.506	1	0	1	3	SOYBEANS	CROPLAND	4 - SE
260	B	0	1.374	1	0	1	1	SOYBEANS	CROPLAND	4 - SE
261	B	0	1.374	1	0	1	1	SOYBEANS	CROPLAND	5 - S
262	B	0	1.374	1	0	1	1	SOYBEANS/W	CROPLAND	7 - w
263	B	1	0.851	1	0	1	1	SOYBEANS/W	CROPLAND	7 - w
264	B	1	0.506	1	0	1	1	CORN/SOYBE	CROPLAND	7 - w
265	B	1	0.851	1	0	1	1		DECIDUOUS FOREST	3 - E
266	B	0	0.851	1	0	1	3	ACP	CROPLAND	3 - E

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
267	B	1	2.619	1	0	1	1		FARMSTEADS	3 - E
268	B	0	5.171	1	0	1	1		PASTURE	3 - E
269	B	1	3.061	1	0	1	2		HERB.RANGELAND	1 - N
270	B	0	2.619	0	0	0	1		FARMPONDS	2 - NE
271	B	1	3.538	1	0	1	1		PASTURE	3 - E
272	B	1	0.851	1	0	1	3	ACP	CROPLAND	3 - E
273	B	1	0.187	1	0	1	0	ACP	CROPLAND	3 - E
274	B	0	2.619	1	0	1	1		SHRUB-BRUSH	5 - S
275	B	0	4.048	1	0	1	1		HERB.RANGELAND	7 - w
276	B	1	0.367	1	0	1	3	SOYBEANS	CROPLAND	4 - SE
277	B	0	2.120	1	0	1	1		HIGHWAY CONSTRUC	4 - SE
278	B	0	2.120	1	0	1	1	SOYBEANS	CROPLAND	4 - SE
279	B	0	0.851	1	0	1	3	SOYBEANS	CROPLAND	5 - S
280	B	0	1.374	1	0	1	3	SOYBEANS	CROPLAND	6 - SW
281	B	1	2.120	1	0	1	1	SOYBEANS/W	CROPLAND	7 - w
282	B	1	0.851	1	0	1	1	CORN/SOYBE	CROPLAND	6 - SW
283	B	1	0.851	1	0	1	1		FARMSTEADS	4 - SE
284	B	0	0.187	0	0	0	1		FARMPONDS	3 - E
285	B	0	1.728	1	0	1	1		PASTURE	1 - N
286	B	0	4.048	1	0	1	1		PASTURE	2 - NE
287	B	1	4.048	1	0	1	3		PASTURE	3 - E
288	B	1	5.171	1	0	1	1		PASTURE	4 - SE
289	B	0	3.538	1	0	1	1		DECIDUOUS FOREST	4 - SE
290	B	1	1.374	1	0	1	3		PASTURE	4 - SE
291	B	0	0.506	1	0	1	2		HIGHWAY CONSTRUC	8 - NW
292	B	0	3.061	1	0	1	1		HIGHWAY CONSTRUC	5 - S
293	B	1	2.619	1	0	1	1		HIGHWAY CONSTRUC	7 - w
294	B	1	0.187	1	0	1	3		HIGHWAY CONSTRUC	3 - E
295	B	1	2.211	1	0	1	1		HIGHWAY CONSTRUC	3 - E
296	B	0	0.187	1	0	1	3		HIGHWAY CONSTRUC	3 - E
297	B	0	0.367	1	0	1	1		HIGHWAY CONSTRUC	5 - S
298	B	1	0.851	1	0	1	3	CORN/SOYBE	CROPLAND	6 - SW
299	B	1	2.120	1	0	1	1	CORN/SOYBE	CROPLAND	6 - SW
300	B	1	1.374	1	0	1	1	SOYBEANS/C	CROPLAND	6 - SW
301	B	1	0.111	1	0	1	3		PASTURE	3 - E
302	B	1	0.506	1	0	1	1		PASTURE	5 - S
303	B	1	4.048	1	0	1	1	FALLOW	CROPLAND	4 - SE
304	B	1	8.543	1	0	1	1		PASTURE	3 - E

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
305	B	0	3.538	1	0	1	3		HERB.RANGELAND	3 - E
306	B	0	0.367	1	0	1	3		PASTURE	3 - E
307	B	0	1.374	1	0	1	2		HERB.RANGELAND	2 - NE
308	B	0	0.851	1	0	1	1		HERB.RANGELAND	5 - S
309	B	0	3.061	1	0	1	1	ACP	CROPLAND	7 - w
310	B	0	2.211	1	0	1	3	SOYBEANS	CROPLAND	6 - SW
311	B	1	0.367	1	0	1	1		PASTURE	5 - S
312	B	0	1.728	1	0	1	1	SOYBEANS	CROPLAND	3 - E
313	B	0	0.506	1	0	1	3	SOYBEANS	CROPLAND	3 - E
314	B	0	0.187	1	0	1	3	SOYBEANS	CROPLAND	3 - E
315	B	0	0.506	1	0	1	3		DECIDUOUS FOREST	5 - S
316	B	1	1.728	1	0	1	1	FALLOW	CROPLAND	6 - SW
317	B	1	1.374	1	0	1	3	SOYBEANS/C(	CROPLAND	6 - SW
318	B	1	0.111	1	0	1	1	CORN	CROPLAND	3 - E
319	B	1	0.851	1	0	1	1		HERB.RANGELAND	3 - E
320	B	1	3.061	1	0	1	1		HERB.RANGELAND	3 - E
321	B	1	7.144	1	0	1	1		HERB.RANGELAND	3 - E
322	B	0	4.593	1	0	1	2	FALLOW	CROPLAND	3 - E
323	B	0	3.061	1	0	1	0		HERB.RANGELAND	3 - E
324	B	0	4.048	1	0	1	1		PASTURE	5 - S
325	B	0	0.851	1	0	1	3		PASTURE	5 - S
326	B	0	4.593	1	0	1	1	SOYBEANS	CROPLAND	6 - SW
327	B	0	3.061	1	0	1	3	SOYBEANS	CROPLAND	6 - SW
328	B	0	1.728	1	0	1	3		FARMSTEADS	6 - SW
329	B	0	1.374	1	0	1	3	SOYBEANS	CROPLAND	3 - E
330	B	0	1.728	1	0	1	3	SOYBEANS	CROPLAND	4 - SE
331	B	0	1.374	1	0	1	1	FALLOW	CROPLAND	5 - S
332	B	1	0.851	1	0	1	1		DECIDUOUS FOREST	5 - S
333	B	0	1.374	1	0	1	1		HERB.RANGELAND	6 - SW
334	B	1	1.374	1	0	1	3	SOYBEANS/C(	CROPLAND	5 - S
335	B	1	1.728	1	0	1	1	CORN/SOYBE/	CROPLAND	6 - SW
336	B	0	0.187	1	0	1	1	CORN	CROPLAND	3 - E
337	B	0	0.851	1	0	1	1		DECIDUOUS FOREST	3 - E
338	B	0	1.728	1	0	1	1		SHRUB-BRUSH	3 - E
339	B	1	4.048	1	0	1	1		SHRUB-BRUSH	3 - E
340	B	1	4.048	1	0	1	2		SHRUB-BRUSH	3 - E
341	B	0	2.211	1	0	1	2	FALLOW	CROPLAND	1 - N
342	B	0	5.870	1	0	1	1	ACP/SOYBEAN	CROPLAND	3 - E

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
343	B	0	3.538	1	0	1	3		HERB.RANGELAND	3 - E
344	B	0	3.538	1	0	1	1	SOYBEANS/A(	CROPLAND	5 - S
345	B	0	4.048	1	0	1	3	SOYBEANS/A(	CROPLAND	6 - SW
346	B	1	2.211	1	0	1	3	SOYBEANS	CROPLAND	6 - SW
347	B	0	1.374	1	0	1	3	SOYBEANS	CROPLAND	4 - SE
348	B	0	2.211	1	0	1	1	SOYBEANS	CROPLAND	3 - E
349	B	0	1.374	1	0	1	3		HERB.RANGELAND	5 - S
350	C	0	1.374	1	0	1	3		DECIDUOUS FOREST	5 - S
351	C	0	0.851	1	0	1	1	FALLOW	CROPLAND	7 - w
352	B	1	2.120	1	0	1	1	FALLOW	CROPLAND	7 - w
353	B	1	0.506	1	0	1	1	FALLOW	CROPLAND	3 - E
354	B	0	0.851	1	0	1	1	ACP	CROPLAND	3 - E
355	B	0	3.061	1	0	1	1		SHRUB-BRUSH	3 - E
356	B	0	2.211	1	0	1	3	FALLOW	CROPLAND	3 - E
357	B	0	0.367	1	0	1	3	FALLOW	CROPLAND	3 - E
358	B	0	5.171	1	0	1	1	ACP/SOYBEAI	CROPLAND	3 - E
359	B	0	7.144	1	0	1	1		PASTURE	3 - E
360	C	0	0.367	1	0	1	3	SOYBEANS/A(	CROPLAND	5 - S
361	B	0	3.538	1	0	1	3	SOYBEANS/A(	CROPLAND	6 - SW
362	B	0	3.061	1	0	1	1	CORN	CROPLAND	5 - S
363	B	0	2.619	1	0	1	1	CORN/WHEAT	CROPLAND	5 - S
364	B	0	2.120	1	0	1	1	CORN/WHEAT	CROPLAND	4 - SE
365	B	0	0.367	1	0	1	3	CORN/WHEAT	CROPLAND	4 - SE
366	B	0	0.851	1	0	1	1		DECIDUOUS FOREST	5 - S
367	B	0	0.851	1	0	1	2	FALLOW	CROPLAND	7 - w
368	B	0	2.211	1	0	1	1	FALLOW	CROPLAND	7 - w
369	B	0	0.367	1	0	1	1	SOYBEANS	CROPLAND	3 - E
370	B	0	0.506	1	0	1	1		SHRUB-BRUSH	5 - S
371	B	0	2.619	1	0	1	1		SHRUB-BRUSH	3 - E
372	B	0	3.061	1	0	1	2	FALLOW	CROPLAND	3 - E
373	B	0	1.728	1	0	1	3	FALLOW	CROPLAND	5 - S
374	B	0	2.211	1	0	1	1	SOYBEANS	CROPLAND	3 - E
375	B	0	4.593	1	0	1	1	SOYBEANS	CROPLAND	3 - E
376	C	0	3.061	1	0	1	1		HERB.RANGELAND	3 - E
377	B	0	0.851	1	0	1	1	FALLOW	CROPLAND	5 - S
378	B	1	3.061	1	0	1	3	CORN	CROPLAND	5 - S
379	B	0	3.061	1	0	1	1		HERB.RANGELAND	5 - S
380	B	0	1.728	1	0	1	3	CORN/WHEAT	CROPLAND	5 - S

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
381	B	0	0.367	1	0	1	3	CORN/WHEAT	CROPLAND	6 - SW
382	B	0	0.506	1	0	1	1		DECIDUOUS FOREST	5 - S
383	B	0	0.506	1	0	1	3	FALLOW	CROPLAND	6 - SW
384	B	0	2.211	1	0	1	1	FALLOW	CROPLAND	7 - w
385	B	0	1.728	1	0	1	1	FALLOW	CROPLAND	7 - w
386	B	0	0.506	1	0	1	1	SOYBEANS/A(	CROPLAND	3 - E
387	B	0	1.374	1	0	1	1	SOYBEANS/A(	CROPLAND	3 - E
388	B	0	3.538	1	0	1	1	CORN	CROPLAND	2 - NE
389	B	0	5.784	1	0	1	1		SHRUB-BRUSH	3 - E
390	B	0	4.593	1	0	1	3		SHRUB-BRUSH	3 - E
391	B	0	2.120	1	0	1	2		SHRUB-BRUSH	3 - E
392	B	0	2.211	1	0	1	2		HERB.RANGELAND	3 - E
393	C	0	4.048	1	0	1	1		PASTURE	3 - E
394	C	1	2.211	1	0	1	3		DECIDUOUS FOREST	5 - S
395	B	0	0.367	1	0	1	3	CORN/WHEAT	CROPLAND	6 - SW
396	B	0	2.211	1	0	1	3	CORN/SOYBE/	CROPLAND	6 - SW
397	B	0	1.728	1	0	1	3	CORN/SOYBE/	CROPLAND	6 - SW
398	B	1	0.851	1	0	1	1		PASTURE	5 - S
399	B	0	0.506	1	0	1	1		PASTURE	7 - w
400	B	0	1.728	1	0	1	1		PASTURE	7 - w
401	B	1	0.851	1	0	1	1		PASTURE	7 - w
402	B	0	0.506	1	0	1	1	SOYBEANS/A(	CROPLAND	4 - SE
403	B	0	0.851	1	0	1	1	SOYBEANS/A(	CROPLAND	4 - SE
404	B	0	3.061	1	0	1	1	SOYBEANS/A(	CROPLAND	4 - SE
405	B	0	5.784	1	0	1	1	SOYBEANS/A(	CROPLAND	3 - E
406	B	0	5.784	1	0	1	2		HERB.RANGELAND	3 - E
407	B	0	4.593	1	0	1	0		SHRUB-BRUSH	1 - N
408	B	1	3.538	1	0	1	0		HERB.RANGELAND	2 - NE
409	C	0	4.593	1	0	1	1		SHRUB-BRUSH	2 - NE
410	C	0	5.870	1	0	1	1		PASTURE	3 - E
411	C	1	3.061	1	0	1	1		PASTURE	5 - S
412	C	1	1.728	1	0	1	1	CORN/SOYBE/	CROPLAND	6 - SW
413	B	1	2.211	1	0	1	3	CORN/SOYBE/	CROPLAND	6 - SW
414	C	1	2.619	1	0	1	1		PASTURE	6 - SW
415	C	1	2.120	1	0	1	1		PASTURE	5 - S
416	B	1	0.851	1	0	1	1		PASTURE	7 - w
417	B	1	0.851	1	0	1	3		PASTURE	6 - SW
418	B	1	0.851	1	0	1	1		PASTURE	6 - SW

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
419	B	0	0.187	1	0	1	1		SHRUB-BRUSH	3 - E
420	B	0	0.851	1	0	1	1		SHRUB-BRUSH	3 - E
421	B	0	2.211	1	0	1	1	SOYBEANS	CROPLAND	3 - E
422	B	0	2.619	1	0	1	2	SOYBEANS	CROPLAND	3 - E
423	B	0	4.048	1	0	1	2		HERB.RANGELAND	1 - N
424	B	1	3.538	1	0	1	2	SOYBEANS/C(	CROPLAND	1 - N
425	B	1	1.728	1	0	1	2	FALLOW	CROPLAND	1 - N
426	B	1	0.506	1	0	1	2	CORN	CROPLAND	2 - NE
427	B	1	4.048	1	0	1	2	CORN	CROPLAND	2 - NE
428	C	1	6.492	1	0	1	1	CORN	CROPLAND	3 - E
429	C	1	1.374	1	0	1	2		PASTURE	5 - S
430	C	0	0.506	1	0	1	3		PASTURE	5 - S
431	C	1	2.211	1	0	1	3		PASTURE	5 - S
432	B	1	3.061	1	0	1	1		DECIDUOUS FOREST	7 - w
433	B	1	1.728	1	0	1	3		PASTURE	6 - SW
434	B	1	2.120	1	0	1	1	FALLOW	CROPLAND	5 - S
435	B	1	1.728	1	0	1	1	FALLOW	CROPLAND	7 - w
436	B	0	0.851	1	0	1	1		SHRUB-BRUSH	2 - NE
437	C	0	2.619	1	0	1	1	SOYBEANS	CROPLAND	3 - E
438	B	0	1.728	1	0	1	3		FARMSTEADS	1 - N
439	B	0	0.506	1	0	1	3	ACP	CROPLAND	3 - E
440	B	0	0.506	1	0	1	3	SOYBEANS	CROPLAND	3 - E
441	B	0	1.374	1	0	1	1		SHRUB-BRUSH	5 - S
442	B	1	0.851	1	0	1	3	WHEAT	CROPLAND	3 - E
443	B	0	1.374	1	0	1	1	SOYBEANS	CROPLAND	2 - NE
444	B	0	5.870	1	0	1	1	CORN	CROPLAND	3 - E
445	C	1	4.048	1	0	1	3	CORN	CROPLAND	5 - S
446	C	0	0.111	1	0	1	0		DECIDUOUS FOREST	5 - S
447	B	1	1.728	1	0	1	1		PASTURE	7 - w
448	B	1	2.211	1	0	1	3		PASTURE	6 - SW
449	B	1	2.211	1	0	1	1		PASTURE	5 - S
450	B	1	2.619	1	0	1	1	FALLOW	CROPLAND	5 - S
451	B	1	2.120	1	0	1	3	FALLOW	CROPLAND	6 - SW
452	B	0	0.851	1	0	1	1		SHRUB-BRUSH	3 - E
453	B	0	2.619	1	0	1	1	SOYBEANS	CROPLAND	3 - E
454	B	0	2.211	1	0	1	3		FARMSTEADS	3 - E
455	B	0	0.367	1	0	1	3		FARMSTEADS	5 - S
456	B	0	1.728	1	0	1	1	SOYBEANS	CROPLAND	5 - S

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
457	B	0	4.593	1	0	1	1	SOYBEANS	CROPLAND	3 - E
458	B	0	4.048	1	0	1	1		SHRUB-BRUSH	3 - E
459	B	0	3.061	1	0	1	1	SOYBEANS	CROPLAND	5 - S
460	B	0	4.593	1	0	1	1	SOYBEANS	CROPLAND	4 - SE
461	B	0	4.593	1	0	1	3	SOYBEANS	CROPLAND	3 - E
462	C	0	0.187	1	0	1	3		DECIDUOUS FOREST	5 - S
463	B	0	1.374	1	0	1	1		DECIDUOUS FOREST	5 - S
464	B	0	0.851	1	0	1	3		HERB.RANGELAND	6 - SW
465	B	0	0.851	1	0	1	3	SOYBEANS	CROPLAND	6 - SW
466	B	1	1.728	1	0	1	3		HERB.RANGELAND	5 - S
467	B	0	2.120	1	0	1	3	CORN	CROPLAND	6 - SW
468	B	0	0.506	1	0	1	1	SOYBEANS	CROPLAND	6 - SW
469	B	0	2.211	1	0	1	1		FARMSTEADS	3 - E
470	B	0	2.120	1	0	1	3		FARMSTEADS	5 - S
471	B	1	0.367	1	0	1	2	CORN	CROPLAND	2 - NE
472	B	0	2.120	1	0	1	1	CORN	CROPLAND	3 - E
473	B	0	3.061	1	0	1	1	SOYBEANS	CROPLAND	5 - S
474	B	0	0.506	1	0	1	2	SOYBEANS	CROPLAND	2 - NE
475	B	0	0.851	1	0	1	3		PASTURE	3 - E
476	B	0	2.619	1	0	1	3	SOYBEANS	CROPLAND	5 - S
477	C	0	2.211	1	0	1	3	SOYBEANS	CROPLAND	3 - E
478	C	0	0.506	1	0	1	3	SOYBEANS	CROPLAND	3 - E
479	B	0	0.506	1	0	1	1	FALLOW	CROPLAND	5 - S
480	B	0	0.851	1	0	1	3		HERB.RANGELAND	6 - SW
481	B	0	0.851	1	0	1	3	SOYBEANS	CROPLAND	5 - S
482	B	0	1.374	1	0	1	1		HERB.RANGELAND	7 - w
483	B	0	2.211	1	0	1	1		DECIDUOUS FOREST	7 - w
484	B	0	1.728	1	0	1	1		HERB.RANGELAND	8 - NW
485	B	0	0.851	1	0	1	1		HERB.RANGELAND	3 - E
486	B	0	1.728	1	0	1	2		HERB.RANGELAND	3 - E
487	B	0	1.374	1	0	1	2		SHRUB-BRUSH	3 - E
488	B	0	2.120	1	0	1	1		SHRUB-BRUSH	3 - E
489	B	0	5.171	1	0	1	1		SHRUB-BRUSH	3 - E
490	B	0	4.593	1	0	1	1	CORN/SOYBE	CROPLAND	3 - E
491	B	0	4.048	1	0	1	1		HERB.RANGELAND	3 - E
492	C	0	3.061	1	0	1	3		DECIDUOUS FOREST	3 - E
493	C	0	1.374	1	0	1	2		DECIDUOUS FOREST	3 - E
494	C	0	1.374	1	0	1	2		DECIDUOUS FOREST	3 - E

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
495	C	0	0.367	1	0	1	2		DECIDUOUS FOREST	5 - S
496	B	0	0.367	1	0	1	3	WHEAT	CROPLAND	5 - S
497	B	0	0.506	1	0	1	3	CORN	CROPLAND	7 - w
498	B	0	1.728	1	0	1	1	CORN	CROPLAND	7 - w
499	B	0	2.619	1	0	1	1		SHRUB-BRUSH	7 - w
500	B	0	1.728	1	0	1	1	SOYBEANS	CROPLAND	7 - w
501	B	0	0.506	1	0	1	1	ACP	CROPLAND	3 - E
502	B	0	0.851	1	0	1	2	ACP	CROPLAND	2 - NE
503	B	0	1.374	1	0	1	2		HERB.RANGELAND	2 - NE
504	B	0	0.851	1	0	1	2	CORN/SOYBE	CROPLAND	2 - NE
505	B	0	1.374	1	0	1	1	CORN/SOYBE	CROPLAND	3 - E
506	B	1	2.120	1	0	1	1	CORN/SOYBE	CROPLAND	3 - E
507	B	0	3.538	1	0	1	1	WHEAT	CROPLAND	3 - E
508	B	0	2.211	1	0	1	3	WHEAT	CROPLAND	3 - E
509	B	0	1.728	1	0	1	2	CORN	CROPLAND	2 - NE
510	B	0	2.211	1	0	1	1	CORN	CROPLAND	3 - E
511	B	0	1.728	1	0	1	3		DECIDUOUS FOREST	3 - E
512	C	0	0.367	1	0	1	1		DECIDUOUS FOREST	6 - SW
513	B	1	1.374	1	0	1	1	CORN	CROPLAND	8 - NW
514	B	1	1.728	1	0	1	1	CORN	CROPLAND	7 - w
515	B	0	2.211	1	0	1	1	SOYBEANS	CROPLAND	7 - w
516	B	0	1.728	1	0	1	3	SOYBEANS	CROPLAND	6 - SW
517	B	1	0.187	1	0	1	1		FARMSTEADS	3 - E
518	B	1	0.187	1	0	1	0		SHRUB-BRUSH	3 - E
519	B	0	0.506	1	0	1	1		SHRUB-BRUSH	5 - S
520	B	1	1.374	1	0	1	1	CORN	CROPLAND	3 - E
521	B	1	1.374	1	0	1	3	CORN	CROPLAND	3 - E
522	B	1	2.211	1	0	1	1	CORN	CROPLAND	3 - E
523	B	1	2.619	1	0	1	1		FARMSTEADS	3 - E
524	B	1	1.728	1	0	1	2		HERB.RANGELAND	3 - E
525	B	1	0.506	1	0	1	3		HERB.RANGELAND	3 - E
526	B	0	2.211	1	0	1	1		HERB.RANGELAND	3 - E
527	B	0	2.211	1	0	1	3		PARK	5 - S
528	B	0	0.367	0	0	0	1		RESERVOIR	5 - S
529	B	0	1.728	1	0	1	1		SHRUB-BRUSH	7 - w
530	B	1	1.374	1	0	1	1	CORN	CROPLAND	7 - w
531	B	1	0.851	1	0	1	3	CORN	CROPLAND	6 - SW
532	B	1	2.120	1	0	1	1		FARMSTEADS	6 - SW

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
533	B	1	1.374	1	0	1	1	CORN	CROPLAND	7 - w
534	B	0	0.506	1	0	1	1		HERB.RANGELAND	3 - E
535	B	0	0.111	0	0	0	1		FARMPONDS	3 - E
536	B	0	0.506	1	0	1	1		DECIDUOUS FOREST	3 - E
537	B	0	1.728	1	0	1	1	SOYBEANS	CROPLAND	3 - E
538	B	1	1.728	1	0	1	3	CORN	CROPLAND	5 - S
539	B	0	2.211	1	0	1	1	SOYBEANS	CROPLAND	3 - E
540	B	0	2.211	1	0	1	3		PASTURE	4 - SE
541	B	1	1.374	1	0	1	3		PASTURE	4 - SE
542	B	1	0.506	1	0	1	3		DECIDUOUS FOREST	3 - E
543	B	0	2.211	1	0	1	1		DECIDUOUS FOREST	2 - NE
544	B	0	2.211	1	0	1	2		PARK	3 - E
545	B	0	0.187	0	0	0	1		RESERVOIR	5 - S
546	B	0	1.374	1	0	1	1		PARK	6 - SW
547	B	1	2.120	1	0	1	1	CORN	CROPLAND	6 - SW
548	B	1	1.728	1	0	1	1	FALLOW	CROPLAND	6 - SW
549	B	1	1.374	1	0	1	1	CORN	CROPLAND	6 - SW
550	B	0	0.506	1	0	1	1		FARMSTEADS	3 - E
551	B	0	0.187	1	0	1	0	SOYBEANS/W	CROPLAND	3 - E
552	B	0	0.367	1	0	1	1		HERB.RANGELAND	3 - E
553	B	0	1.728	1	0	1	1	SOYBEANS	CROPLAND	3 - E
554	C	0	1.728	1	0	1	3		DECIDUOUS FOREST	3 - E
555	B	0	2.211	1	0	1	1		DECIDUOUS FOREST	5 - S
556	B	0	2.120	1	0	1	3		PASTURE	5 - S
557	B	0	0.851	1	0	1	3		DECIDUOUS FOREST	3 - E
558	B	0	0.851	1	0	1	3		HERB.RANGELAND	3 - E
559	B	0	2.211	1	0	1	1	FALLOW	CROPLAND	3 - E
560	B	0	1.728	1	0	1	3		PARK	3 - E
561	B	0	0.111	0	0	0	1		RESERVOIR	5 - S
562	B	0	0.367	1	0	1	1		SHRUB-BRUSH	7 - w
563	B	0	0.851	1	0	1	1		SHRUB-BRUSH	7 - w
564	B	0	1.374	1	0	1	1	CORN,ACP	CROPLAND	7 - w
565	B	1	1.374	1	0	1	1	CORN,ACP	CROPLAND	6 - SW
566	B	1	0.367	1	0	1	1	SOYBEANS/W	CROPLAND	2 - NE
567	B	0	0.367	1	0	1	2	SOYBEANS/W	CROPLAND	3 - E
568	B	0	0.187	1	0	1	2		HERB.RANGELAND	3 - E
569	B	0	1.728	1	0	1	1		HERB.RANGELAND	3 - E
570	C	0	2.619	1	0	1	1		DECIDUOUS FOREST	3 - E

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
571	B	0	2.211	1	0	1	1	WHEAT	CROPLAND	2 - NE
572	B	0	2.619	1	0	1	1		HERB.RANGELAND	3 - E
573	B	0	2.619	1	0	1	1		DECIDUOUS FOREST	3 - E
574	B	1	2.211	1	0	1	3		PASTURE	5 - S
575	B	0	1.374	1	0	1	1		HERB.RANGELAND	2 - NE
576	B	0	1.728	1	0	1	2		PARK	1 - N
577	B	0	1.728	0	0	0	1		RESERVOIR	5 - S
578	B	0	0.506	1	0	1	0		PARK	6 - SW
579	B	0	0.506	1	0	1	2		PARK	7 - w
580	B	0	1.728	1	0	1	1		PARK	6 - SW
581	B	1	0.506	1	0	1	3	CORN,ACP	CROPLAND	6 - SW
582	B	0	0.506	1	0	1	1	SOYBEANS	CROPLAND	2 - NE
583	B	0	0.367	1	0	1	3		PASTURE	4 - SE
584	B	0	0.187	1	0	1	3	WHEAT/SOYBI	CROPLAND	5 - S
585	B	0	1.374	1	0	1	1	WHEAT/SOYBI	CROPLAND	4 - SE
586	B	0	1.374	1	0	1	3	WHEAT/SOYBI	CROPLAND	3 - E
587	B	0	1.728	1	0	1	2		DECIDUOUS FOREST	3 - E
588	B	0	2.120	1	0	1	1		HERB.RANGELAND	5 - S
589	B	0	2.211	1	0	1	1		HERB.RANGELAND	3 - E
590	B	0	1.728	1	0	1	3		DECIDUOUS FOREST	3 - E
591	B	0	1.728	1	0	1	1		DECIDUOUS FOREST	3 - E
592	B	0	2.211	0	0	0	1		RESERVOIR	3 - E
593	B	0	2.211	1	0	1	1		DECIDUOUS FOREST	3 - E
594	B	0	2.211	0	0	0	1		RESERVOIR	5 - S
595	B	0	0.187	1	0	1	3		PARK	5 - S
596	B	0	1.374	1	0	1	1		PARK	6 - SW
597	B	0	1.728	1	0	1	3	CORN	CROPLAND	6 - SW
598	B	1	0.851	1	0	1	1	CORN	CROPLAND	5 - S
599	B	0	0.187	1	0	1	1	SOYBEANS	CROPLAND	3 - E
600	B	1	0.851	1	0	1	1	WHEAT/SOYBI	CROPLAND	4 - SE
601	B	0	1.728	1	0	1	1	WHEAT/SOYBI	CROPLAND	3 - E
602	B	0	0.367	1	0	1	3		DECIDUOUS FOREST	3 - E
603	B	0	0.506	1	0	1	2	WHEAT	CROPLAND	1 - N
604	B	0	3.061	1	0	1	1		PASTURE	2 - NE
605	B	0	4.048	1	0	1	1		PASTURE	3 - E
606	B	0	1.374	1	0	1	2	WHEAT	CROPLAND	1 - N
607	B	0	0.111	1	0	1	0	WHEAT	CROPLAND	2 - NE
608	B	0	0.111	1	0	1	0		HERB.RANGELAND	2 - NE

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
609	B	0	0.506	1	0	1	1		HERB.RANGELAND	3 - E
610	B	0	1.374	1	0	1	2		DECIDUOUS FOREST	3 - E
611	B	0	1.374	0	0	0	1		RESERVOIR	5 - S
612	B	0	0.367	1	0	1	1		PARK	6 - SW
613	B	0	0.851	1	0	1	3		PARK	5 - S
614	B	0	0.851	1	0	1	3		PARK	6 - SW
615	B	1	0.851	1	0	1	1	CORN/SOYBE	CROPLAND	2 - NE
616	B	0	0.851	1	0	1	2	WHEAT/SOYB	CROPLAND	2 - NE
617	B	0	0.367	1	0	1	2	WHEAT	CROPLAND	2 - NE
618	B	0	0.111	1	0	1	0		DECIDUOUS FOREST	3 - E
619	B	0	0.851	1	0	1	1		PASTURE	3 - E
620	B	1	5.171	1	0	1	1	CORN	CROPLAND	1 - N
621	B	0	3.061	1	0	1	3	CORN	CROPLAND	3 - E
622	B	0	0.111	1	0	1	0	CORN	CROPLAND	2 - NE
623	B	0	0.367	1	0	1	0		DECIDUOUS FOREST	3 - E
624	B	0	0.851	1	0	1	1		HERB.RANGELAND	4 - SE
625	B	0	1.374	1	0	1	1		PARK	3 - E
626	B	0	1.728	1	0	1	1		DECIDUOUS FOREST	3 - E
627	B	0	0.851	0	0	0	1		RESERVOIR	5 - S
628	B	0	0.367	1	0	1	2		PARK	5 - S
629	B	0	0.851	1	0	1	1		PARK	6 - SW
630	B	0	1.374	1	0	1	1	CORN	CROPLAND	7 - w
631	B	1	1.374	1	0	1	1	CORN/SOYBE	CROPLAND	2 - NE
632	B	1	1.374	1	0	1	1		HERB.RANGELAND	2 - NE
633	B	0	0.367	1	0	1	3	SOYBEANS/C	CROPLAND	1 - N
634	B	1	0.506	1	0	1	3	CORN	CROPLAND	5 - S
635	B	1	4.048	1	0	1	1	CORN	CROPLAND	3 - E
636	B	1	4.048	1	0	1	3	CORN	CROPLAND	3 - E
637	B	1	0.367	1	0	1	3	CORN	CROPLAND	3 - E
638	B	0	0.506	1	0	1	1		PARK	3 - E
639	B	0	0.187	1	0	1	0		PARK	3 - E
640	B	0	1.728	0	0	0	1		RESERVOIR	3 - E
641	B	0	3.061	0	0	0	1		RESERVOIR	1 - N
642	B	0	3.061	0	0	0	1		RESERVOIR	3 - E
643	B	0	1.728	0	0	0	1		RESERVOIR	5 - S
644	B	0	0.506	1	0	1	1		EVERGREEN FOREST	6 - SW
645	B	0	0.851	1	0	1	1	CORN	CROPLAND	6 - SW
646	B	0	1.728	1	0	1	1	SOYBEANS	CROPLAND	3 - E

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
647	B	1	0.851	1	0	1	3	SOYBEANS	CROPLAND	3 - E
648	B	1	0.851	1	0	1	1		DECIDUOUS FOREST	4 - SE
649	B	1	2.211	1	0	1	1	CORN	CROPLAND	3 - E
650	B	1	2.619	1	0	1	2	CORN	CROPLAND	2 - NE
651	B	1	2.120	1	0	1	2	CORN	CROPLAND	2 - NE
652	B	0	1.728	1	0	1	1		DECIDUOUS FOREST	3 - E
653	B	0	3.061	1	0	1	1		ROADS-HIGHWAYS	3 - E
654	B	0	4.048	1	0	1	0		PARK	1 - N
655	B	0	3.061	1	0	1	1		PARK	1 - N
656	B	0	4.048	1	0	1	1		PARK	2 - NE
657	B	0	4.048	0	0	0	1		RESERVOIR	3 - E
658	B	0	0.851	1	0	1	1		PARK	5 - S
659	B	0	0.187	1	0	1	3		EVERGREEN FOREST	4 - SE
660	B	0	0.506	1	0	1	1	SOYBEANS	CROPLAND	3 - E
661	B	0	1.728	1	0	1	1	SOYBEANS	CROPLAND	3 - E
662	B	0	1.728	1	0	1	3	GRASS	CROPLAND	3 - E
663	B	0	0.367	1	0	1	3	CORN	CROPLAND	3 - E
664	B	0	2.120	1	0	1	2	CORN	CROPLAND	3 - E
665	B	0	3.061	1	0	1	1	CORN	CROPLAND	3 - E
666	B	0	2.211	1	0	1	1		DECIDUOUS FOREST	1 - N
667	B	0	2.211	1	0	1	1		DECIDUOUS FOREST	1 - N
668	B	0	0.851	1	0	1	2		DECIDUOUS FOREST	7 - w
669	B	0	0.851	1	0	1	2		PARK	2 - NE
670	B	0	2.211	1	0	1	1		DECIDUOUS FOREST	3 - E
671	B	0	4.048	1	0	1	1		PARK	3 - E
672	B	0	3.061	0	0	0	1		RESERVOIR	3 - E
673	B	0	0.851	0	0	0	1		RESERVOIR	5 - S
674	B	0	0.111	0	0	0	1		RESERVOIR	6 - SW
675	B	0	1.728	1	0	1	1	SOYBEANS	CROPLAND	3 - E
676	B	0	2.120	1	0	1	1	SOYBEANS/A(	CROPLAND	2 - NE
677	B	0	0.851	1	0	1	0	SOYBEANS/A(	CROPLAND	2 - NE
678	B	0	0.506	1	0	1	2	WHEAT	CROPLAND	1 - N
679	B	0	1.374	1	0	1	2	WHEAT	CROPLAND	3 - E
680	B	0	2.211	1	0	1	0	CORN	CROPLAND	1 - N
681	B	0	2.211	1	0	1	0	CORN	CROPLAND	2 - NE
682	B	0	1.374	1	0	1	0	CORN	CROPLAND	1 - N
683	B	0	0.851	1	0	1	2	CORN	CROPLAND	7 - w
684	B	0	1.728	1	0	1	1	CORN	CROPLAND	2 - NE

CELL #	HYG	FL	LS	CHANNEL	DIVISION	PESTCODE	SLPSHAPE	CROP	LANDUSE	COMPAS
685	B	0	2.120	1	0	1	1		PARK	3 - E
686	B	0	3.538	1	0	1	2		PARK	2 - NE
687		0	2.211	0	0	0	1		RESERVOIR	3 - E
688	B	0	0.851	1	0	1	1	SOYBEANS	CROPLAND	3 - E
689	B	0	1.374	1	0	1	2		FARMSTEADS	2 - NE
690	B	0	1.374	1	0	1	0	CORN	CROPLAND	2 - NE
691	B	0	1.728	1	0	1	1	WHEAT	CROPLAND	3 - E
692	B	0	2.211	1	0	1	0	WHEAT	CROPLAND	1 - N
693	B	0	2.619	1	0	1	0	FOREST	CROPLAND	1 - N
694	B	0	2.211	1	0	1	0	CORN	CROPLAND	1 - N
695	B	1	2.211	1	0	1	1	CORN	CROPLAND	1 - N
696	B	0	2.211	1	0	1	1		SHRUB-BRUSH	1 - N
697	B	1	2.120	1	0	1	1	CORN	CROPLAND	2 - NE
698	B	0	1.374	1	0	1	1		SHRUB-BRUSH	2 - NE
699	B	0	2.120	1	0	1	1		PARK	3 - E
700	B	0	0.851	1	0	1	1		WATER TREAR. PLANT	8 - NW
701	B	0	0.506	1	0	1	1	SOYBEANS	CROPLAND	2 - NE
702	B	0	0.506	1	0	1	2	SOYBEANS	CROPLAND	2 - NE
703	B	0	0.367	1	0	1	2	SOYBEANS	CROPLAND	3 - E
704	B	0	0.851	1	0	1	0	SOYBEANS	CROPLAND	1 - N
705	B	0	0.851	1	0	1	0	CORN	CROPLAND	3 - E
706	B	0	0.851	1	0	1	0		FARMSTEADS	2 - NE
707	B	1	0.851	1	0	1	0		SHRUB-BRUSH	2 - NE
708	B	1	0.851	1	0	1	1	ACP	CROPLAND	1 - N
709	B	1	1.374	1	0	1	2		SHRUB-BRUSH	1 - N
710	B	0	0.851	1	0	1	1	CORN	CROPLAND	3 - E
711	B	0	0.506	1	0	1	1	CORN	CROPLAND	1 - N
712	B	0	0.506	1	0	1	1	SOYBEANS	CROPLAND	8 - NW
713	B	0	0.367	1	0	1	0	CORN	CROPLAND	5 - S
714	B	1	0.367	1	0	1	1	WHEAT	CROPLAND	8 - NW
715	B	0	0.111	1	0	1	0	CORN/ACP	CROPLAND	1 - N
716	B	1	0.506	1	0	1	1		PASTURE	8 - NW

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