VOLUMETRIC SURVEY OF CEDAR CREEK RESERVOIR

Prepared for:

TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NUMBER ONE

Prepared by:

The Texas Water Development Board

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Texas Water Development Board

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INTRODUCTION

Staff of the Hydrographic Survey Unit of the Texas Water Development Board (TWDB) conducted a hydrographic survey on Cedar Creek Reservoir from February 8 thru March 9, 1995. The purpose of the survey was to determine the capacity of the lake at the normal pool elevation and to establish baseline information for future surveys. From this information, future surveys will be able to determine sediment deposition locations and rates over time. Survey results are presented in the following pages in both graphical and tabular form. All elevations presented in this report will be reported in feet above mean sea level based on the National Geodetic Vertical Datum of 1929 (NGVD '29) unless noted otherwise. The results will be compared to the original design information from Freese and Nichols, Consulting Engineers. At the normal pool elevation of 322.0 feet, they reported a surface area of 33,750 acres and a capacity of 679,200 acre-feet.

HISTORY AND GENERAL INFORMATION OF THE RESERVOIR

Cedar Creek Reservoir is located on Cedar, Kings, Clear, Caney and Twin Creeks in Kaufman and Henderson Counties, approximately 20 miles east of Corsicana, Texas. The dam is owned, maintained, and operated by Tarrant County Water Control and Improvement District Number One (TCWCID No. 1). The water rights were allocated to the TCWCID No. 1. under Water Rights Certificate of Adjudication No. 4976 issued May 5, 1987. The certificate allowed TCWCID No. 1 to maintain a dam and impound a reservoir known as Cedar Creek Reservoir with a capacity of 678,900 acre-feet. TCWCID No. 1 was allowed to divert and use not to exceed 175,000 acre-feet of

water per annum for municipal and industrial purposes. An amendment to Certificate of Adjudication No. 4976 was granted July 28, 1993. It allocated 2,500 of the 175,000 acre-feet of water per annum (for municipal and industrial purposes) to be used for irrigation purposes until such time as this water is needed for municipal and industrial use.

Dam construction commenced in April, 1961. Deliberate impoundment of water began July 2, 1965 and the facility was completed in February, 1966. The project was designed by Freese and Nichols Inc., Consulting Engineers and the general contractor was S. A. Construction Company. The dam structure is a rolled earthfill embankment. The dam is approximately 17,539 feet long and rises 91 feet above the natural streambed.

The service spillway and outlet works are located six miles upstream on the right bank and discharges into the Trinity River. The service spillway consists of a gated concrete chute approximately 400 feet long at elevation 302.0, controlled by eight 40-foot wide tainter gates and two 40-foot wide bascule (automatic) gates. With all 10 gates fully opened, the spillway has a discharge capacity of 105,000 cubic feet per second (cfs) when the reservoir pool elevation is at 322.0. The outlet works consist of one 60-inch steel pipe for low flow discharge, one 18-inch valve controlled outlet for water supply, and two 48-inch valves for water supply.

The reservoir has approximately 328 miles of shoreline, a maximum width of 8.5 miles and maximum length of 18 miles. The drainage area of Cedar Creek Reservoir is approximately 1,007 square miles.

HYDROGRAPHIC SURVEYING TECHNOLOGY

The following sections will describe the equipment and methodology used to conduct this hydrographic survey. Some of the theory behind Global Positioning System (GPS) technology and its accuracy are also addressed.

GPS Information

The following is a brief and simple description of Global Positioning System (GPS) technology. GPS is a new technology that uses a network of satellites, maintained in precise orbits around the earth, to determine locations on the surface of the earth. GPS receivers continuously monitor the broadcasts from the satellites to determine the position of the receiver. With only one satellite being monitored, the point in question could be located anywhere on a sphere surrounding the satellite with a radius of the distance measured. The observation of two satellites decreases the possible location to a finite number of points on a circle where the two spheres intersect. With a third satellite observation, the unknown location is reduced to two points where all three spheres intersect. One of these points is obviously in error because its location is in space, and it is ignored. Although three satellite measurements can fairly accurately locate a point on the earth, the minimum number of satellites required to determine a three dimensional position within the required accuracy is four. The fourth measurement compensates for any time discrepancies between the clock on board the satellites and the clock within the GPS receiver.

GPS technology was developed in the 1960's by the United States Air Force and the defense establishment. After program funding in the early 1970's, the initial satellite was launched on February 22, 1978. A four year delay in the launching program occurred after the Challenger space shuttle disaster. In 1989, the launch schedule was resumed. Full operational capability will be reached when the NAVSTAR (NAVigation System with Time And Ranging) satellite constellation is composed of 24 Block II satellites. At the time of the survey, the system had achieved initial operational capability. A full constellation of 24 satellites, in a combination of Block I (prototype) and Block II satellites, was fully functional. The NAVSTAR satellites provide data based on the World Geodetic System (WGS '84) spherical datum. WGS '84 is essentially identical to NAD '83.

The United States Department of Defense (DOD) is currently responsible for implementing and maintaining the satellite constellation. In an attempt to discourage the use of these survey units as a guidance tool by hostile forces, the DOD has implemented means of false signal projection called Selective Availability (S/A). Positions determined by a single receiver when S/A is active result in errors to the actual position of up to 100 meters. These errors can be reduced to centimeters by performing a static survey with two GPS receivers, one of which is set over a point with known coordinates. The errors induced by S/A are time-constant. By monitoring the movements of the satellites over time (one to three hours), the errors can be minimized during post processing of the collected data and the unknown position computed accurately.

Differential GPS (DGPS) can determine positions of moving objects in real-time or "on-the-fly." One GPS receiver was set up over a benchmark with known coordinates established by the hydrographic survey crew. This receiver remained stationary during the survey and monitored the movements of the satellites overhead. Position corrections were determined and transmitted via a radio link once per second to a second GPS receiver located on the moving boat. The boat receiver used these corrections, or differences, in combination with the satellite information it received to determine its differential location. The large positional errors experienced by a single receiver when S/A is active are greatly reduced by utilizing DGPS. The reference receiver calculates satellite corrections based on its known fixed position, which results in positional accuracies within three meters for the moving receiver. DGPS was used to determine horizontal position only. Vertical information was supplied by the depth sounder.

Equipment

The equipment used in the performance of the hydrographic survey consisted of a 23-foot aluminum tri-hull SeaArk craft with cabin, equipped with twin 90-Horsepower Johnson outboard motors. Installed within the enclosed cabin are an Innerspace

Helmsman Display (for navigation), an Innerspace Technology Model 449 Depth Sounder and Model 443 Velocity Profiler, a Trimble Navigation, Inc. 4000SE GPS receiver, a Motorola Radius radio with an Advanced Electronic Applications, Inc. packet modem, and an on-board computer. The computer was supported by a dot matrix printer and a B-size plotter. Power was provided by a water-cooled generator through an in-line uninterruptible power supply. Reference to brand names does not imply endorsement by the TWDB.

The shore station included a second Trimble 4000SE GPS receiver, Motorola Radius radio and Advanced Electronic Applications, Inc. packet modem, and an omni-directional antenna mounted on a modular aluminum tower to a total height of 40 feet. The combination of this equipment provided a data link with a reported range of 25 miles over level to rolling terrain that does not require that line-of-sight be maintained with the survey vessel in most conditions, thereby reducing the time required to conduct the survey.

As the boat traveled across the lake surface, the depth sounder gathered approximately ten readings of the lake bottom each second. The depth readings were averaged over the one-second interval and stored with the positional data to an on-board computer. After the survey, the average depths were corrected to elevation using the daily lake elevation. The set of data points logged during the survey were used to calculate the lake volume. Accurate estimates of the lake volume can be quickly determined using these methods to produce an affordable survey. The level of accuracy is equivalent to or better than previous methods used to determine lake volumes, some of which are discussed below.

Previous Survey Procedures

Originally, reservoir surveys were conducted with a rope stretched across the reservoir along pre-determined range lines. A small boat would manually pole the depth

at selected intervals along the rope. Over time, aircraft cable replaced the rope and electronic depth sounders replaced the pole. The boat was hooked to the cable, and depths were again recorded at selected intervals. This method, used mainly by the Soil Conservation Service, worked well for small reservoirs.

Larger bodies of water required more involved means to accomplish the survey, mainly due to increased size. Cables could not be stretched across the body of water, so surveying instruments were utilized to determine the path of the boat. Monumentation was set for the end points of each line so the same lines could be used on subsequent surveys. Prior to a survey, each end point had to be located (and sometimes reestablished) in the field and vegetation cleared so that line of sight could be maintained. One surveyor monitored the path of the boat and issued commands via radio to insure that it remained on line while a second surveyor determined depth measurement locations by turning angles. Since it took a major effort to determine each of the points along the line, the depth readings were spaced quite a distance apart. Another major cost was the land surveying required prior to the reservoir survey to locate the range line monuments and clear vegetation.

Electronic positioning systems were the next improvement. If triangulation could determine the boat location by electronic means, then the boat could take continuous depth sounding. A set of microwave transmitters positioned around the lake at known coordinates would allow the boat to receive data and calculate its position. Line of site was required, and the configuration of the transmitters had to be such that the boat remained within the angles of 30 and 150 degrees in respect to the shore stations. The maximum range of most of these systems was about 20 miles. Each shore station had to be accurately located by survey, and the location monumented for future use. Any errors in the land surveying resulted in significant errors that were difficult to detect. Large reservoirs required multiple shore stations and a crew to move the shore stations to the next location as the survey progressed. Land surveying was still a major cost.

Another method used mainly prior to construction utilized aerial photography to

generate elevation contours which could then be used to calculate the volume of the reservoir. Fairly accurate results could be obtained, although the vertical accuracy of the aerial topography was generally one-half of the contour interval or ± five feet for a ten-foot contour interval. This method could be quite costly and was only applicable in areas that were not inundated.

PRE-SURVEY PROCEDURES

The reservoir's surface area was determined prior to the survey by digitizing with AutoCad software the lake's normal pool boundary from five USGS quad sheets. The names of the quad sheets are as follows: Kerens, TX, 1961 (Photo-revised 1981); Malakoff, TX, 1960 (Photo-revised 1981); Mabank, TX, 1960 (Photo-revised 1981); Kemp, TX, 1961 (Photo-revised 1981); and Tool, TX, 1960 (Photo-revised 1981).

The survey layout was designed by placing survey track lines at 500 foot intervals across the lake. The survey design for this lake required approximately 388 survey lines to be placed along the length of the lake. Survey setup files were created using Innerspace Technology Inc. software for each group of track lines that represented a specific section of the lake. The setup files were copied onto diskettes for use during the field survey.

SURVEY CONTROL SETUP

The first task of the Hydrographic Survey field staff after arriving at Cedar Creek Reservoir was to establish a horizontal reference control point near the reservoir. An existing TCWCID No. 1 benchmark Identification Number 84+9745 located on Joe B. Hogsett Dam was deemed suitable. Figure 3 shows the location of this benchmark. Two additional temporary control points were established during the survey due to the length of the reservoir. No permanent markers were set at these sites. The data and

locations for these sites are contained in the raw files of the TWDB.

Prior to the field survey, TWDB staff had researched locations of known first-order benchmarks and requested TCWCID No. 1 personnel to physically locate the associated monuments. Of the monuments found, the one chosen to provide horizontal control for the shore station was a United States Geological Survey first-order monument named SANDERS established in 1947 and located in Henderson County. The coordinates for the monument are published as Latitude 32° 14' 51.03534"N and Longitude 96° 09' 01.27242"W.

On February 7, 1995 a static survey was performed to determine the WGS' 84 coordinates for the TCWCID No. 1 benchmark using two Trimble 4000SE GPS receivers. The GPS receivers were setup on tripods over the first-order monument, SANDERS, and the existing TCWCID No. 1 benchmark. Satellite data were gathered at each location simultaneously for approximately one hour, with a maximum of six satellites visible at the same time to the receivers.

Once data collection ended, the data were retrieved and processed from both receivers, using Trimble Trimvec software, to determine coordinates for the control point. The WGS' 84 coordinates for TCWCID No. 1 benchmark were determined to be North latitude 32° 10' 45.15173", West longitude 96° 04' 46.94888", with an ellipsoid height of 76.8011 meters. The approximate NGVD '29 elevation was 337.1 feet.

Using the newly determined coordinates, the shore station was setup at the TCWCID No. 1 benchmark to provided DGPS control during the survey. The coordinates from the static survey were entered into the GPS receiver located over the control point to fix its location. Data received during the survey could then be corrected and broadcast to the GPS receiver on the moving boat during the survey.

SURVEY PROCEDURES

The following procedures were followed during the hydrographic survey of Cedar Creek Reservoir performed by the TWDB. Information regarding equipment calibration and operation, the field survey, and data processing is presented.

Equipment Calibration and Operation

During the survey, the GPS receivers were operated in the following DGPS modes. The reference station receiver was set to a horizontal mask of 0°, to acquire information on the rising satellites. A horizontal mask of 10° was used on the roving receiver for the purpose of calculating better horizontal positions. A PDOP (Position Dilution of Precision) limit of 7 was set for both receivers. The DGPS positions are known to be within acceptable limits of horizontal accuracy when the PDOP is seven (7) or less. An internal alarm sounds if the PDOP rises above seven to advise the field crew that the horizontal position has degraded to an unacceptable level.

Prior to the survey, TWDB staff verified the horizontal accuracy of the DGPS used during the Cedar Creek Reservoir survey to be within the specified accuracy of three meters by the following procedure. The shore station was set up over a known United States Geological Service (USGS) first order monument and placed in differential mode. The second receiver, directly connected to the boat with its interface computer, was placed over another known USGS first order monument and data was collected for 60 minutes in the same manner as during a survey. Based on the differentially-corrected coordinates obtained and the published coordinates for both monuments, the resulting positions fell within a three-meter radius of the actual known monument position.

At the beginning of each surveying day, the depth sounder was calibrated with the Innerspace Velocity Profiler. The Velocity Profiler calculates an average speed of sound through the water column of interest for a designated draft value of the boat (draft is the vertical distance that the boat penetrates the water surface). The draft of the boat was

previously determined to average 1.2 ft. The velocity profiler probe is placed in the water to moisten and acclimate the probe. The probe is then raised to the water surface where the depth is zeroed. The probe is lowered on a cable to just below the maximum depth set for the water column, and then raised to the surface. The unit displays an average speed of sound for a given water depth and draft, which is entered into the depth sounder. The depth value on the depth sounder was then checked manually with a measuring tape to ensure that the depth sounder was properly calibrated and operating correctly. During the survey of Cedar Creek Reservoir, the speed of sound in the water column varied daily between 4755 and 4775 feet per second. Based on the measured speed of sound for various depths, and the average speed of sound calculated for the entire water column, the depth sounder is accurate to within $\pm$0.2 feet, plus an estimated error of $\pm$0.3 feet due to the plane of the boat for a total accuracy of $\pm$0.5 feet for any instantaneous reading. These errors tend to be minimized over the entire survey, since some are plus readings and some are minus readings. Further information on these calculations is presented in Appendix A.

Field Survey

Hydrographic survey data was collected on Cedar Creek Reservoir during the period of February 8 thru March 9, 1995. Approximately 251,808 data points were collected over the 525 miles traveled along the pre-planned survey lines and the random data-collection lines. These points were stored digitally on the boat's computer in 476 data files. Data were not collected in areas of shallow water (depths less than 3.0 ft.) or with significant obstructions unless these areas represented a large amount of water. Random data points were collected in shallow water when determined necessary by the field crew by manually poling the depth and entering the depth value into the data file. As each point was entered, the DGPS horizontal position was stored automatically with each return keystroke on the computer. The boat was moving slowly during this period so positions stored were within the stated accuracy of $\pm$ 3 meters to the point poled. Figure 2 shows the actual location of the data collection points.

Analog charts were printed for each survey line as the data were collected. The gate mark, which is a known distance above the actual depth, was also printed on the chart. Each chart was labeled with the date and data file ID for future reference. The depth sounder was set to record bad depth readings as 0.

The collected data were stored in individual data files for each pre-plotted range line or random data collection events. These files were downloaded to diskettes at the end of each day for further processing.

Data Processing

All collected data were down-loaded from diskettes onto the TWDB's computer network. A Fortran program stripped the data collection files of non-essential data and created a Temporary data file. This data file consists of latitude, longitude and depth readings for each data point. The depth readings consist of instantaneous, average and auxiliary readings. The data files were edited manually by comparing the analog charts to the gate mark. Where the gate mark indicated that the recorded depth was other than the bottom, the depths were modified to reflect the recorded bottom. The Temporary files were then saved as Output files after editing was completed. The Output files were run through another Fortran program to delete all zero depth readings and to replace the average reading with the spot reading when the average reading was zero and the spot reading was greater then zero. The resulting file was saved as the final data file. Each of the individual data files were then combined into a single data-collection file that represented the date of data collection. The depths were then transformed to elevations with a simple Unix command based on the water surface elevation of each day. The elevations were rounded to the nearest tenth of a foot since the depth sounder records in tenths. The water surface ranged from 321.91 feet to 322.00 feet during the survey. Each of the daily files were then combined into a single edited data file to be used to develop a model of the lake's bottom surface.

The resulting DOS data file was imported into the UNIX operating system used to run Environmental Systems Research Institutes's (ESRI) Arc/Info GIS software. The latitude and longitude coordinates of each point were then converted to decimal degrees by a UNIX command. The command manipulates the data file format into a MASS points format for use by the GIS software. The graphic boundary file used for guidance along the pre-plotted survey lines was then transformed from NAD '27 datum to NAD '83, using Environmental Systems Research Institutes's (ESRI) Arc/Info project command with the NADCOM parameters. The area of the reservoir boundary was checked to verify that the area was the same in both datums. Once this was accomplished successfully, the boundary and the edited data file were in the same datum.

The two files were edited using the Arc/Edit module. The MASS points are converted into a point coverage and plotted on top of the boundary file. If data points were collected outside the boundary file, the boundary was modified to include the data points. The boundary near the edge of the reservoir in areas of significant sedimentation was down-sized to reflect the observations of the field crew. The resulting boundary shape was considered to be the acreage at the normal pool elevation of the reservoir. This was calculated as 32,623 acres for Cedar Creek Reservoir. The Board does not represent the boundary, as depicted in this report, to be a detailed actual boundary. Instead, it is a graphical approximation of the actual boundary used solely to compute the volume and area of the reservoir. The boundary does not represent the true land versus water boundary of the reservoir. An aerial topographic photo of the upper four feet of the reservoir or an aerial photo taken when the reservoir is at the normal pool elevation would more closely define the present boundary. However, the minimal increase in accuracy does not appear to offset the cost of those services at this time.

The edited MASS points and modified boundary file were used to create a Digital Terrain Model (DTM) of the reservoir's bottom surface using Arc/Info's TIN module. The module builds an irregular triangulated network from the data points and the boundary file. This software uses a method known as Delauney's criteria for triangulation. A triangle is formed between three non-uniformly spaced points, including all points along the boundary. If there is another point within the triangle, additional triangles are created

until all points lie on the vertex of a triangle. All of the data points are preserved for use in determining the solution of the model by using this method. The generated network of three-dimensional triangular planes represents the actual bottom surface. Once the triangulated irregular network (TIN) is formed, the software then calculates elevations along the triangle surface plane by solving the equations for elevation along each leg of the triangle. Areas that were too shallow for data collection or obstructed by vegetation were estimated by the Arc/Info's TIN product using this method of interpolation.

There were some areas where values could not be calculated by interpolation because of a lack of information along the boundary of the reservoir. "Flat triangles" were drawn at these locations. Arc/Info does not use flat triangle areas in the volume or contouring features of the model. These areas were determined to be insignificant on Cedar Creek Reservoir. Therefore no additional points were required for interpolation and contouring of the entire reservoir surface. The TIN product calculated the surface area and volume of the entire reservoir at one-tenth of a foot intervals from the three-dimensional triangular plane surface representation. The computed reservoir volume table is presented in Appendix B and the area table in Appendix C. An elevation-area-volume graph is presented in Appendix D.

Other presentations developed from the model include a shaded relief map and a shaded depth range map. To develop the shaded relief map, the three-dimensional triangular surface was modified by a GRIDSHADE command. Colors were assigned to different elevation values of the grid. Using the command COLORRAMP, a set of colors that varied from navy to yellow was created. The lower elevation was assigned the color of navy, and the reservoir normal pool elevation was assigned the color of yellow. Different color shades were assigned to the different depths in between. Figure 4 presents the resulting depth shaded representation of the reservoir. Figure 5 presents a similar version of the same map, using bands of color for selected depth intervals. The color increases in intensity from the shallow contour bands to the deep water bands.

The DTM was then smoothed and linear smoothing algorithms were applied to the

smoothed model to produce smoother contours. The resulting contour map of the bottom surface at five-foot intervals is presented in Figure 6.

RESULTS

Staff of the TWDB collected hydrographic data on Cedar Creek Reservoir during the period February 8 thru March 9, 1995. During the survey, staff noticed the terrain along the perimeter of the reservoir was of gentle relief with many narrow coves. Extensive development was common throughout the reservoir with many waterfront homes protected from erosion by retaining walls at the water's edge. The water was generally clear and free of aquatic vegetation. The upper reaches of the reservoir seemed to be completely silted in. The water was uniformly shallow with little evidence remaining of the location of the creeks draining into the reservoir.

Results from the survey indicate Cedar Creek Reservoir now encompasses approximately 32,623 surface acres and contains a volume of 637,180 acre-feet at the normal pool elevation of 322.0 feet. The shoreline at this elevation was calculated to be 220.26 miles. The lowest elevation encountered during the field survey was 251.4 feet, or 70.6 feet of depth and was found near the dam.

The storage volume calculated by this survey is approximately 6.2 percent less than the previous record information for the reservoir. The lowest gated outlet invert elevation is at elevation 263.5 feet. The dead storage volume at this elevation corresponds to 132 acre-feet. Therefore, the conservation storage capacity for the reservoir is calculated to be 637,050 acre-feet.

SUMMARY

When Cedar Creek Reservoir was completed in 1966, it was estimated to contain 679,200 acre-feet of water at the normal pool elevation of 322.0 ft.

In 1995, a hydrographic survey of Cedar Creek Reservoir was performed by the Texas Water Development Board's Hydrographic Survey Program. The 1995 survey used technological advances such as differential global positioning system and geographical information system technology to build a model of the reservoir's bathemetry. These advances allowed a survey to be performed quickly and to collect significantly more data of the bathemetry of Cedar Creek Reservoir. Results from the survey indicate that the lake's capacity at the normal pool elevation of 322.0 feet was 637,180 acre-feet. The conservation storage capacity was calculated at 637,050 acre-feet. The estimated reduction in conservation storage capacity, if compared to the 1966 design information, was 42,150 acre-feet, or 6.2 percent. This equates to an estimated loss of 1,453.45 acre-feet per year during the 29 years the reservoir has existed, or an annual deposition rate in the conservation storage pool area of 1.44 acre-ft per square mile of drainage area. It is assumed that the reduction in estimated storage is due to a combination of sedimentation, and improved data collection and calculation methods. Repeating this survey in five or ten years or after major flood events should remove any noticeable error due to improved calculation techniques and will help isolate the storage loss due to sedimentation.

CALCULATION OF DEPTH SOUNDER ACCURACY

This methodology was extracted from the Innerspace Technology, Inc. Operation Manual for the Model 443 Velocity Profiler.

For the following examples, $t = (D - d)/V$

where: t_D = travel time of the sound pulse, in seconds (at depth = D)
D = depth, in feet
d = draft = 1.2 feet
V = speed of sound, in feet per second

To calculate the error of a measurement based on differences in the actual versus average speed of sound, the same equation is used, in this format:

$$D = [t(V)]+d$$

For the water column from 2 to 30 feet: V = 4832 fps

$t_{30} = (30-1.2)/4832$
$= 0.00596$ sec.

For the water column from 2 to 45 feet: V = 4808 fps

$t_{45} = (45-1.2)/4808$
$= 0.00911$ sec.

For a measurement at 20 feet (within the 2 to 30 foot column with V = 4832 fps):

$D_{20} = [((20-1.2)/4832)(4808)]+1.2$
$= 19.9'$ (-0.1')

For a measurement at 30 feet (within the 2 to 30 foot column with V = 4832 fps):

$D_{30} = [((30-1.2)/4832)(4808)]+1.2$
$= 29.9'$ (-0.1')

For a measurement at 50 feet (within the 2 to 60 foot column with V = 4799 fps):

$D_{50} = [((50-1.2)/4799)(4808)]+1.2$
$= 50.1'$ (+0.1')

For the water column from 2 to 60 feet: V = 4799 fps Assumed V_{80} = 4785 fps

t_{60} =(60-1.2)/4799
=0.01225 sec.

For a measurement at 10 feet (within the 2 to 30 foot column with V = 4832 fps):

D_{10} = [((10-1.2)/4832)(4799)]+1.2
= 9.9' (-0.1')

For a measurement at 30 feet (within the 2 to 30 foot column with V = 4832 fps):

D_{30} = [((30-1.2)/4832)(4799)]+1.2
= 29.8' (-0.2')

For a measurement at 45 feet (within the 2 to 45 foot column with V = 4808 fps):

D_{45} = [((45-1.2)/4808)(4799)]+1.2
= 44.9' (-0.1')

For a measurement at 80 feet (outside the 2 to 60 foot column, assumed V = 4785 fps):

D_{80} = [((80-1.2)/4785)(4799)]+1.2
= 80.2' (+0.2')

TEXAS WATER DEVELOPMENT BOARD

Jun 5 1995

RESERVOIR VOLUME TABLE

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

VOLUME IN ACRE-FEET

ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
255.0										
255.1										
255.2										
255.3										
255.4										
255.5										
255.6										
255.7										
255.8										
255.9										
256.0										
256.1										
256.2										
256.3										
256.4										1
256.5	1	1	1	1	1	1	1	1	1	1
256.6	1	1	1	1	1	1	1	1	1	1
256.7	1	1	1	1	1	1	1	1	1	1
256.8	1	1	1	1	1	1	1	1	1	1
256.9	1	1	1	1	1	1	1	1	1	1
257.0	1	1	1	1	1	1	1	1	1	1
257.1	1	1	1	1	1	1	1	1	1	1
257.2	1	1	1	1	1	1	1	1	2	2
257.3	2	2	2	2	2	2	2	2	2	2
257.4	2	2	2	2	2	2	2	2	2	2
257.5	2	2	2	2	2	2	2	2	2	2
257.6	2	2	2	2	2	3	3	3	3	3
257.7	3	3	3	3	3	3	3	3	3	3
257.8	3	3	3	3	3	3	3	3	3	3
257.9	3	4	4	4	4	4	4	4	4	4
258.0	4	4	4	4	4	4	4	4	4	4
258.1	4	5	5	5	5	5	5	5	5	5
258.2	5	5	5	5	5	5	5	5	5	6
258.3	6	6	6	6	6	6	6	6	6	6
258.4	6	6	6	6	7	7	7	7	7	7
258.5	7	7	7	7	7	7	7	7	8	8
258.6	8	8	8	8	8	8	8	8	8	8
258.7	8	9	9	9	9	9	9	9	9	9
258.8	9	9	9	10	10	10	10	10	10	10
258.9	10	10	10	10	10	11	11	11	11	11
259.0	11	11	11	11	11	12	12	12	12	12
259.1	12	12	12	12	12	12	13	13	13	13
259.2	13	13	13	13	13	14	14	14	14	14
259.3	14	14	14	14	15	15	15	15	15	15
259.4	15	15	15	16	16	16	16	16	16	16
259.5	16	16	17	17	17	17	17	17	17	17
259.6	18	18	18	18	18	18	18	18	19	19
259.7	19	19	19	19	19	20	20	20	20	20
259.8	20	20	20	21	21	21	21	21	21	21

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

VOLUME IN ACRE-FEET

ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
259.9	22	22	22	22	22	22	22	23	23	23
260.0	23	23	23	23	24	24	24	24	24	24
260.1	25	25	25	25	25	25	25	26	26	26
260.2	26	26	26	27	27	27	27	27	27	28
260.3	28	28	28	28	28	29	29	29	29	29
260.4	29	30	30	30	30	30	31	31	31	31
260.5	31	31	32	32	32	32	32	33	33	33
260.6	33	33	34	34	34	34	34	35	35	35
260.7	35	35	36	36	36	36	36	37	37	37
260.8	37	37	38	38	38	38	38	39	39	39
260.9	39	40	40	40	40	40	41	41	41	41
261.0	42	42	42	42	42	43	43	43	43	44
261.1	44	44	44	45	45	45	45	45	46	46
261.2	46	46	47	47	47	47	48	48	48	48
261.3	49	49	49	49	50	50	50	50	51	51
261.4	51	51	52	52	52	52	53	53	53	53
261.5	54	54	54	55	55	55	55	56	56	56
261.6	56	57	57	57	57	58	58	58	59	59
261.7	59	59	60	60	60	61	61	61	61	62
261.8	62	62	63	63	63	63	64	64	64	65
261.9	65	65	66	66	66	67	67	67	67	68
262.0	68	68	69	69	69	70	70	70	71	71
262.1	71	72	72	72	73	73	73	74	74	74
262.2	75	75	75	76	76	76	77	77	77	78
262.3	78	78	79	79	79	80	80	81	81	81
262.4	82	82	82	83	83	84	84	84	85	85
262.5	85	86	86	87	87	87	88	88	89	89
262.6	89	90	90	91	91	91	92	92	93	93
262.7	93	94	94	95	95	96	96	96	97	97
262.8	98	98	99	99	99	100	100	101	101	102
262.9	102	102	103	103	104	104	105	105	106	106
263.0	107	107	108	108	108	109	109	110	110	111
263.1	111	112	112	113	113	114	114	115	115	116
263.2	116	117	117	118	118	119	119	120	120	121
263.3	121	122	122	123	124	124	125	125	126	126
263.4	127	127	128	128	129	129	130	131	131	132
263.5	132	133	133	134	134	135	136	136	137	137
263.6	138	139	139	140	140	141	141	142	143	143
263.7	144	144	145	146	146	147	147	148	149	149
263.8	150	151	151	152	152	153	154	154	155	156
263.9	156	157	158	158	159	160	160	161	161	162
264.0	163	163	164	165	165	166	167	168	168	169
264.1	170	170	171	172	172	173	174	174	175	176
264.2	177	177	178	179	179	180	181	182	182	183
264.3	184	184	185	186	187	187	188	189	190	190
264.4	191	192	193	193	194	195	196	196	197	198
264.5	199	199	200	201	202	203	203	204	205	206
264.6	206	207	208	209	210	210	211	212	213	214
264.7	215	215	216	217	218	219	219	220	221	222
264.8	223	224	224	225	226	227	228	229	230	230

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
264.9	231	232	233	234	235	236	237	237	238	239
265.0	240	241	242	243	244	245	246	246	247	248
265.1	249	250	251	252	253	254	255	256	257	258
265.2	259	259	260	261	262	263	264	265	266	267
265.3	268	269	270	271	272	273	274	275	276	277
265.4	278	279	280	281	282	283	284	285	286	287
265.5	288	290	291	292	293	294	295	296	297	298
265.6	299	300	301	303	304	305	306	307	308	309
265.7	310	311	313	314	315	316	317	318	320	321
265.8	322	323	324	325	327	328	329	330	331	333
265.9	334	335	336	338	339	340	341	343	344	345
266.0	346	348	349	350	351	353	354	355	357	358
266.1	359	361	362	363	365	366	367	369	370	371
266.2	373	374	375	377	378	380	381	382	384	385
266.3	387	388	389	391	392	394	395	397	398	400
266.4	401	402	404	405	407	408	410	411	413	414
266.5	416	417	419	420	422	424	425	427	428	430
266.6	431	433	434	436	438	439	441	442	444	446
266.7	447	449	450	452	454	455	457	459	460	462
266.8	463	465	467	468	470	472	473	475	477	479
266.9	480	482	484	485	487	489	491	492	494	496
267.0	498	499	501	503	505	506	508	510	512	514
267.1	515	517	519	521	523	524	526	528	530	532
267.2	534	535	537	539	541	543	545	547	549	551
267.3	552	554	556	558	560	562	564	566	568	570
267.4	572	574	576	578	580	582	583	585	587	589
267.5	591	593	595	597	600	602	604	606	608	610
267.6	612	614	616	618	620	622	624	626	628	630
267.7	633	635	637	639	641	643	645	647	650	652
267.8	654	656	658	660	662	665	667	669	671	673
267.9	676	678	680	682	684	687	689	691	693	696
268.0	698	700	702	705	707	709	711	714	716	718
268.1	721	723	725	728	730	732	735	737	739	742
268.2	744	746	749	751	753	756	758	760	763	765
268.3	768	770	772	775	777	780	782	785	787	789
268.4	792	794	797	799	802	804	807	809	812	814
268.5	817	819	822	824	827	829	832	834	837	839
268.6	842	845	847	850	852	855	857	860	863	865
268.7	868	870	873	876	878	881	884	886	889	892
268.8	894	897	900	902	905	908	910	913	916	919
268.9	921	924	927	930	932	935	938	941	943	946
269.0	949	952	955	957	960	963	966	969	971	974
269.1	977	980	983	986	989	992	994	997	1000	1003
269.2	1006	1009	1012	1015	1018	1021	1024	1027	1030	1033
269.3	1036	1039	1042	1045	1048	1051	1054	1057	1060	1063
269.4	1066	1069	1072	1075	1078	1081	1084	1088	1091	1094
269.5	1097	1100	1103	1106	1110	1113	1116	1119	1122	1125
269.6	1129	1132	1135	1138	1142	1145	1148	1151	1155	1158
269.7	1161	1165	1168	1171	1175	1178	1181	1185	1188	1191
269.8	1195	1198	1201	1205	1208	1212	1215	1219	1222	1225

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

ELEV. FEET	VOLUME IN ACRE-FEET .00	.01	.02	.03	.04	ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT .05	.06	.07	.08	.09
269.9	1229	1232	1236	1239	1243	1246	1250	1253	1257	1260
270.0	1264	1267	1271	1275	1278	1282	1285	1289	1292	1296
270.1	1300	1303	1307	1311	1314	1318	1322	1325	1329	1333
270.2	1337	1340	1344	1348	1351	1355	1359	1363	1367	1370
270.3	1374	1378	1382	1386	1390	1394	1397	1401	1405	1409
270.4	1413	1417	1421	1425	1429	1433	1437	1441	1445	1449
270.5	1453	1457	1461	1465	1469	1473	1477	1481	1485	1490
270.6	1494	1498	1502	1506	1510	1515	1519	1523	1527	1532
270.7	1536	1540	1544	1549	1553	1557	1562	1566	1570	1575
270.8	1579	1584	1588	1592	1597	1601	1606	1610	1615	1619
270.9	1624	1629	1633	1638	1642	1647	1652	1656	1661	1666
271.0	1670	1675	1680	1685	1689	1694	1699	1704	1709	1714
271.1	1719	1723	1728	1733	1738	1743	1748	1753	1758	1763
271.2	1768	1773	1778	1783	1789	1794	1799	1804	1809	1814
271.3	1819	1825	1830	1835	1840	1846	1851	1856	1862	1867
271.4	1872	1878	1883	1888	1894	1899	1905	1910	1916	1921
271.5	1927	1932	1938	1943	1949	1954	1960	1966	1971	1977
271.6	1983	1988	1994	2000	2006	2011	2017	2023	2029	2034
271.7	2040	2046	2052	2058	2064	2070	2076	2082	2088	2094
271.8	2100	2106	2112	2118	2124	2130	2136	2142	2148	2154
271.9	2160	2167	2173	2179	2185	2192	2198	2204	2210	2217
272.0	2223	2229	2236	2242	2249	2255	2261	2268	2274	2281
272.1	2287	2294	2300	2307	2314	2320	2327	2333	2340	2347
272.2	2353	2360	2367	2374	2380	2387	2394	2401	2408	2415
272.3	2421	2428	2435	2442	2449	2456	2463	2470	2477	2484
272.4	2491	2498	2505	2513	2520	2527	2534	2541	2549	2556
272.5	2563	2570	2578	2585	2592	2600	2607	2615	2622	2630
272.6	2637	2644	2652	2660	2667	2675	2682	2690	2698	2705
272.7	2713	2721	2728	2736	2744	2751	2759	2767	2775	2783
272.8	2790	2798	2806	2814	2822	2830	2838	2846	2854	2862
272.9	2870	2878	2886	2894	2902	2910	2918	2927	2935	2943
273.0	2951	2959	2967	2976	2984	2992	3001	3009	3017	3026
273.1	3034	3042	3051	3059	3068	3076	3085	3093	3102	3110
273.2	3119	3127	3136	3144	3153	3162	3170	3179	3188	3197
273.3	3205	3214	3223	3232	3241	3250	3258	3267	3276	3285
273.4	3294	3303	3312	3321	3330	3339	3348	3357	3366	3376
273.5	3385	3394	3403	3412	3421	3431	3440	3449	3459	3468
273.6	3477	3487	3496	3505	3515	3524	3534	3543	3552	3562
273.7	3571	3581	3591	3600	3610	3619	3629	3638	3648	3658
273.8	3667	3677	3687	3697	3706	3716	3726	3736	3746	3756
273.9	3765	3775	3785	3795	3805	3815	3825	3835	3845	3855
274.0	3865	3875	3885	3896	3906	3916	3926	3936	3947	3957
274.1	3967	3977	3988	3998	4009	4019	4029	4040	4050	4061
274.2	4071	4082	4092	4103	4113	4124	4135	4145	4156	4167
274.3	4177	4188	4199	4210	4220	4231	4242	4253	4264	4275
274.4	4286	4297	4307	4318	4329	4341	4352	4363	4374	4385
274.5	4396	4407	4418	4429	4441	4452	4463	4474	4486	4497
274.6	4508	4520	4531	4542	4554	4565	4577	4588	4600	4611
274.7	4623	4634	4646	4657	4669	4681	4692	4704	4716	4727
274.8	4739	4751	4763	4774	4786	4798	4810	4822	4834	4846

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

VOLUME IN ACRE-FEET ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
274.9	4858	4870	4882	4894	4906	4918	4930	4942	4954	4966
275.0	4978	4990	5003	5015	5027	5039	5052	5064	5076	5089
275.1	5101	5113	5126	5138	5151	5163	5176	5188	5201	5214
275.2	5226	5239	5251	5264	5277	5290	5302	5315	5328	5341
275.3	5353	5366	5379	5392	5405	5418	5431	5444	5457	5470
275.4	5483	5496	5509	5522	5535	5549	5562	5575	5588	5601
275.5	5615	5628	5641	5655	5668	5681	5695	5708	5722	5735
275.6	5749	5762	5776	5789	5803	5816	5830	5844	5857	5871
275.7	5885	5898	5912	5926	5940	5953	5967	5981	5995	6009
275.8	6023	6037	6051	6065	6079	6093	6107	6121	6135	6149
275.9	6163	6178	6192	6206	6220	6235	6249	6263	6277	6292
276.0	6306	6320	6335	6349	6364	6378	6393	6407	6422	6436
276.1	6451	6465	6480	6495	6509	6524	6539	6553	6568	6583
276.2	6598	6613	6627	6642	6657	6672	6687	6702	6717	6732
276.3	6747	6762	6777	6792	6807	6822	6837	6853	6868	6883
276.4	6898	6914	6929	6944	6960	6975	6990	7006	7021	7037
276.5	7052	7068	7083	7099	7114	7130	7146	7161	7177	7193
276.6	7208	7224	7240	7256	7272	7287	7303	7319	7335	7351
276.7	7367	7383	7399	7415	7431	7448	7464	7480	7496	7512
276.8	7529	7545	7561	7577	7594	7610	7627	7643	7659	7676
276.9	7692	7709	7725	7742	7759	7775	7792	7809	7825	7842
277.0	7859	7876	7892	7909	7926	7943	7960	7977	7994	8011
277.1	8028	8045	8062	8079	8096	8113	8130	8148	8165	8182
277.2	8199	8217	8234	8251	8269	8286	8304	8321	8339	8356
277.3	8374	8391	8409	8426	8444	8462	8480	8497	8515	8533
277.4	8551	8569	8587	8605	8623	8641	8659	8677	8695	8713
277.5	8731	8750	8768	8786	8804	8823	8841	8859	8878	8896
277.6	8915	8933	8952	8971	8989	9008	9027	9045	9064	9083
277.7	9102	9121	9140	9158	9177	9196	9215	9235	9254	9273
277.8	9292	9311	9330	9350	9369	9388	9408	9427	9446	9466
277.9	9485	9505	9524	9544	9564	9583	9603	9623	9642	9662
278.0	9682	9702	9722	9742	9762	9781	9801	9822	9842	9862
278.1	9882	9902	9922	9943	9963	9983	10003	10024	10044	10065
278.2	10085	10106	10126	10147	10167	10188	10209	10229	10250	10271
278.3	10291	10312	10333	10354	10375	10396	10417	10438	10459	10480
278.4	10501	10522	10543	10564	10585	10606	10628	10649	10670	10691
278.5	10713	10734	10755	10777	10798	10820	10841	10863	10884	10906
278.6	10928	10949	10971	10992	11014	11036	11058	11079	11101	11123
278.7	11145	11167	11189	11211	11233	11255	11277	11299	11321	11343
278.8	11365	11388	11410	11432	11454	11477	11499	11521	11544	11566
278.9	11589	11611	11634	11656	11679	11702	11724	11747	11770	11793
279.0	11815	11838	11861	11884	11907	11930	11953	11976	11999	12022
279.1	12045	12068	12092	12115	12138	12161	12185	12208	12232	12255
279.2	12278	12302	12325	12349	12373	12396	12420	12443	12467	12491
279.3	12515	12538	12562	12586	12610	12634	12658	12682	12706	12730
279.4	12754	12778	12802	12827	12851	12875	12899	12924	12948	12972
279.5	12997	13021	13046	13070	13095	13119	13144	13169	13193	13218
279.6	13243	13267	13292	13317	13342	13367	13392	13417	13442	13467
279.7	13492	13517	13542	13567	13592	13617	13643	13668	13693	13718
279.8	13744	13769	13794	13820	13845	13871	13896	13922	13948	13973

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
279.9	13999	14024	14050	14076	14102	14127	14153	14179	14205	14231
280.0	14257	14283	14309	14335	14361	14387	14413	14439	14465	14492
280.1	14518	14544	14571	14597	14623	14650	14676	14703	14729	14756
280.2	14782	14809	14836	14862	14889	14916	14942	14969	14996	15023
280.3	15050	15077	15104	15131	15158	15185	15212	15239	15266	15294
280.4	15321	15348	15375	15403	15430	15457	15485	15512	15540	15567
280.5	15595	15623	15650	15678	15706	15733	15761	15789	15817	15844
280.6	15872	15900	15928	15956	15984	16012	16040	16069	16097	16125
280.7	16153	16181	16210	16238	16267	16295	16324	16352	16381	16409
280.8	16438	16466	16495	16524	16553	16581	16610	16639	16668	16697
280.9	16726	16755	16784	16813	16842	16872	16901	16930	16960	16989
281.0	17018	17048	17077	17107	17136	17166	17196	17225	17255	17285
281.1	17315	17344	17374	17404	17434	17464	17494	17524	17554	17584
281.2	17615	17645	17675	17705	17736	17766	17797	17827	17858	17888
281.3	17919	17949	17980	18011	18042	18072	18103	18134	18165	18196
281.4	18227	18258	18289	18321	18352	18383	18414	18446	18477	18509
281.5	18540	18572	18603	18635	18666	18698	18730	18762	18793	18825
281.6	18857	18889	18921	18953	18985	19017	19050	19082	19114	19146
281.7	19179	19211	19243	19276	19308	19341	19373	19406	19438	19471
281.8	19504	19536	19569	19602	19635	19668	19701	19734	19767	19800
281.9	19833	19866	19899	19932	19966	19999	20032	20066	20099	20133
282.0	20166	20200	20233	20267	20301	20334	20368	20402	20436	20470
282.1	20504	20538	20572	20606	20640	20674	20708	20743	20777	20811
282.2	20846	20880	20914	20949	20983	21018	21053	21087	21122	21156
282.3	21191	21226	21261	21296	21330	21365	21400	21435	21470	21506
282.4	21541	21576	21611	21646	21682	21717	21752	21788	21823	21859
282.5	21894	21930	21965	22001	22037	22073	22108	22144	22180	22216
282.6	22252	22288	22324	22360	22396	22432	22469	22505	22541	22578
282.7	22614	22650	22687	22723	22760	22797	22833	22870	22907	22944
282.8	22980	23017	23054	23091	23128	23165	23202	23239	23277	23314
282.9	23351	23388	23426	23463	23501	23538	23576	23613	23651	23688
283.0	23726	23764	23802	23840	23878	23915	23953	23992	24030	24068
283.1	24106	24144	24182	24221	24259	24297	24336	24374	24413	24451
283.2	24490	24529	24567	24606	24645	24684	24723	24762	24801	24840
283.3	24879	24918	24957	24996	25035	25075	25114	25153	25193	25232
283.4	25272	25311	25351	25390	25430	25470	25509	25549	25589	25629
283.5	25669	25709	25749	25789	25829	25869	25909	25950	25990	26030
283.6	26071	26111	26151	26192	26232	26273	26314	26354	26395	26436
283.7	26476	26517	26558	26599	26640	26681	26722	26763	26804	26845
283.8	26887	26928	26969	27010	27052	27093	27135	27176	27218	27260
283.9	27301	27343	27385	27426	27468	27510	27552	27594	27636	27678
284.0	27720	27763	27805	27847	27889	27932	27974	28017	28059	28102
284.1	28144	28187	28230	28272	28315	28358	28401	28444	28487	28530
284.2	28573	28616	28659	28703	28746	28789	28833	28876	28919	28963
284.3	29007	29050	29094	29138	29181	29225	29269	29313	29357	29401
284.4	29445	29489	29534	29578	29622	29667	29711	29755	29800	29845
284.5	29889	29934	29979	30023	30068	30113	30158	30203	30248	30293
284.6	30339	30384	30429	30475	30520	30565	30611	30657	30702	30748
284.7	30794	30840	30886	30932	30978	31024	31070	31116	31162	31208
284.8	31255	31301	31348	31394	31440	31487	31534	31580	31627	31674

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

VOLUME IN ACRE-FEET ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
284.9	31721	31768	31815	31862	31909	31956	32003	32050	32097	32145
285.0	32192	32239	32287	32334	32382	32429	32477	32525	32573	32620
285.1	32668	32716	32764	32812	32860	32908	32957	33005	33053	33102
285.2	33150	33199	33247	33296	33344	33393	33442	33491	33539	33588
285.3	33637	33686	33735	33784	33834	33883	33932	33981	34031	34080
285.4	34130	34179	34229	34278	34328	34378	34427	34477	34527	34577
285.5	34627	34677	34727	34777	34828	34878	34928	34978	35029	35079
285.6	35129	35180	35230	35281	35332	35382	35433	35484	35535	35586
285.7	35636	35687	35738	35789	35840	35891	35943	35994	36045	36096
285.8	36148	36199	36250	36302	36353	36405	36456	36508	36559	36611
285.9	36663	36715	36766	36818	36870	36922	36974	37026	37078	37130
286.0	37182	37234	37286	37338	37391	37443	37495	37548	37600	37653
286.1	37705	37758	37810	37863	37916	37968	38021	38074	38126	38179
286.2	38232	38285	38338	38391	38444	38497	38550	38603	38657	38710
286.3	38763	38817	38870	38923	38977	39030	39084	39137	39191	39245
286.4	39298	39352	39406	39460	39514	39568	39622	39676	39730	39784
286.5	39838	39892	39947	40001	40055	40110	40164	40219	40273	40328
286.6	40382	40437	40492	40546	40601	40656	40711	40766	40821	40876
286.7	40931	40986	41041	41096	41151	41207	41262	41317	41373	41428
286.8	41484	41539	41595	41650	41706	41762	41817	41873	41929	41985
286.9	42041	42097	42153	42209	42265	42321	42377	42434	42490	42546
287.0	42603	42659	42715	42772	42829	42885	42942	42998	43055	43112
287.1	43169	43225	43282	43339	43396	43453	43510	43568	43625	43682
287.2	43739	43796	43854	43911	43968	44026	44083	44141	44198	44256
287.3	44313	44371	44429	44486	44544	44602	44660	44718	44776	44834
287.4	44892	44950	45008	45066	45124	45183	45241	45299	45358	45416
287.5	45474	45533	45591	45650	45709	45767	45826	45885	45944	46002
287.6	46061	46120	46179	46238	46298	46356	46416	46475	46534	46594
287.7	46653	46712	46772	46831	46891	46950	47010	47070	47130	47189
287.8	47249	47309	47369	47429	47489	47549	47609	47669	47730	47790
287.9	47850	47910	47971	48031	48091	48152	48212	48273	48334	48394
288.0	48455	48516	48576	48637	48698	48759	48819	48880	48941	49002
288.1	49063	49124	49186	49247	49308	49369	49431	49492	49553	49615
288.2	49676	49737	49799	49861	49922	49984	50045	50107	50169	50231
288.3	50292	50354	50416	50478	50540	50602	50664	50727	50789	50851
288.4	50913	50976	51038	51100	51163	51225	51288	51350	51413	51476
288.5	51538	51601	51664	51727	51790	51852	51916	51979	52042	52105
288.6	52168	52231	52294	52358	52421	52484	52548	52611	52675	52738
288.7	52802	52865	52929	52993	53056	53120	53184	53248	53312	53376
288.8	53440	53504	53568	53632	53697	53761	53825	53889	53954	54018
288.9	54083	54147	54212	54276	54341	54406	54470	54535	54600	54665
289.0	54730	54795	54860	54925	54990	55055	55120	55186	55251	55316
289.1	55382	55447	55513	55578	55644	55709	55775	55841	55906	55972
289.2	56038	56104	56170	56236	56302	56368	56434	56500	56567	56633
289.3	56699	56766	56832	56899	56965	57032	57099	57165	57232	57299
289.4	57366	57433	57500	57567	57634	57701	57768	57835	57903	57970
289.5	58037	58105	58172	58240	58307	58375	58443	58510	58578	58646
289.6	58714	58782	58850	58918	58986	59054	59122	59190	59258	59327
289.7	59395	59463	59532	59600	59669	59738	59806	59875	59944	60013
289.8	60081	60150	60219	60288	60357	60427	60496	60565	60634	60704

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

ELEV. FEET	VOLUME IN ACRE-FEET .00	.01	.02	.03	.04	ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT .05	.06	.07	.08	.09
289.9	60773	60843	60912	60982	61051	61121	61191	61260	61330	61400
290.0	61470	61540	61610	61680	61750	61820	61890	61960	62031	62101
290.1	62171	62242	62312	62383	62453	62524	62594	62665	62736	62807
290.2	62878	62948	63019	63090	63161	63232	63304	63375	63446	63517
290.3	63589	63660	63732	63803	63875	63946	64018	64090	64161	64233
290.4	64305	64377	64449	64521	64593	64665	64737	64809	64882	64954
290.5	65026	65099	65171	65244	65316	65389	65461	65534	65607	65680
290.6	65753	65826	65899	65972	66045	66118	66191	66265	66338	66411
290.7	66485	66558	66632	66706	66779	66853	66927	67001	67075	67149
290.8	67223	67297	67371	67445	67520	67594	67669	67743	67818	67893
290.9	67967	68042	68117	68192	68267	68342	68417	68492	68567	68642
291.0	68717	68793	68868	68944	69019	69094	69170	69246	69321	69397
291.1	69473	69549	69625	69701	69777	69853	69929	70006	70082	70158
291.2	70235	70311	70387	70464	70541	70617	70694	70771	70848	70925
291.3	71002	71079	71156	71233	71310	71387	71465	71542	71620	71697
291.4	71775	71852	71930	72007	72085	72163	72241	72319	72397	72475
291.5	72553	72631	72709	72787	72866	72944	73022	73101	73179	73258
291.6	73337	73415	73494	73573	73652	73731	73810	73889	73968	74047
291.7	74126	74206	74285	74364	74444	74523	74603	74682	74762	74842
291.8	74921	75001	75081	75161	75241	75321	75401	75482	75562	75642
291.9	75723	75803	75884	75964	76045	76125	76206	76287	76368	76448
292.0	76529	76610	76691	76772	76854	76935	77016	77097	77179	77260
292.1	77342	77423	77505	77586	77668	77750	77832	77913	77995	78077
292.2	78159	78241	78323	78406	78488	78570	78652	78735	78817	78900
292.3	78982	79065	79147	79230	79313	79396	79478	79561	79645	79728
292.4	79811	79894	79977	80060	80144	80227	80311	80394	80478	80561
292.5	80645	80729	80812	80896	80980	81064	81148	81232	81316	81401
292.6	81485	81569	81653	81738	81822	81907	81991	82076	82160	82245
292.7	82330	82415	82500	82585	82670	82755	82840	82925	83010	83095
292.8	83180	83266	83351	83437	83522	83608	83693	83779	83865	83950
292.9	84036	84122	84208	84294	84380	84466	84552	84638	84724	84810
293.0	84896	84983	85069	85155	85242	85328	85415	85501	85588	85674
293.1	85761	85848	85935	86022	86109	86195	86282	86369	86456	86544
293.2	86631	86718	86805	86892	86980	87067	87155	87242	87329	87417
293.3	87505	87592	87680	87768	87855	87943	88031	88119	88207	88295
293.4	88383	88471	88559	88647	88736	88824	88912	89001	89089	89177
293.5	89266	89355	89443	89532	89620	89709	89798	89887	89975	90064
293.6	90154	90242	90331	90421	90510	90599	90688	90778	90867	90956
293.7	91046	91135	91224	91314	91403	91493	91583	91672	91762	91852
293.8	91942	92032	92122	92211	92301	92392	92482	92572	92662	92752
293.9	92842	92933	93023	93114	93204	93295	93385	93476	93566	93657
294.0	93748	93838	93929	94020	94111	94202	94293	94384	94475	94566
294.1	94657	94748	94839	94931	95022	95113	95205	95296	95388	95479
294.2	95571	95662	95754	95846	95937	96029	96121	96213	96305	96397
294.3	96489	96581	96673	96765	96857	96950	97042	97134	97227	97319
294.4	97411	97504	97597	97689	97782	97874	97967	98060	98153	98245
294.5	98338	98431	98524	98617	98710	98803	98896	98990	99083	99176
294.6	99269	99363	99456	99550	99643	99736	99830	99924	100020	100110
294.7	100200	100300	100390	100490	100580	100670	100770	100860	100960	101050
294.8	101150	101240	101330	101430	101520	101620	101710	101810	101900	102000

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
294.9	102090	102190	102280	102380	102470	102570	102660	102760	102850	102950
295.0	103040	103140	103230	103330	103420	103520	103610	103710	103810	103900
295.1	104000	104090	104190	104280	104380	104480	104570	104670	104760	104860
295.2	104960	105050	105150	105250	105340	105440	105540	105630	105730	105830
295.3	105920	106020	106120	106210	106310	106410	106500	106600	106700	106800
295.4	106890	106990	107090	107190	107280	107380	107480	107580	107670	107770
295.5	107870	107970	108070	108160	108260	108360	108460	108560	108660	108750
295.6	108850	108950	109050	109150	109250	109350	109440	109540	109640	109740
295.7	109840	109940	110040	110140	110240	110340	110440	110530	110630	110730
295.8	110830	110930	111030	111130	111230	111330	111430	111530	111630	111730
295.9	111830	111930	112030	112130	112230	112330	112430	112530	112630	112730
296.0	112840	112940	113040	113140	113240	113340	113440	113540	113640	113740
296.1	113840	113950	114050	114150	114250	114350	114450	114550	114660	114760
296.2	114860	114960	115060	115160	115270	115370	115470	115570	115670	115780
296.3	115880	115980	116080	116190	116290	116390	116490	116600	116700	116800
296.4	116900	117010	117110	117210	117320	117420	117520	117620	117730	117830
296.5	117930	118040	118140	118240	118350	118450	118550	118660	118760	118860
296.6	118970	119070	119180	119280	119380	119490	119590	119700	119800	119900
296.7	120010	120110	120220	120320	120420	120530	120630	120740	120840	120950
296.8	121050	121160	121260	121370	121470	121580	121680	121790	121890	122000
296.9	122100	122210	122310	122420	122520	122630	122730	122840	122940	123050
297.0	123160	123260	123370	123470	123580	123680	123790	123900	124000	124110
297.1	124220	124320	124430	124530	124640	124750	124850	124960	125070	125170
297.2	125280	125390	125490	125600	125710	125810	125920	126030	126140	126240
297.3	126350	126460	126570	126670	126780	126890	127000	127100	127210	127320
297.4	127430	127530	127640	127750	127860	127970	128070	128180	128290	128400
297.5	128510	128620	128720	128830	128940	129050	129160	129270	129370	129480
297.6	129590	129700	129810	129920	130030	130140	130250	130350	130460	130570
297.7	130680	130790	130900	131010	131120	131230	131340	131450	131560	131670
297.8	131780	131890	132000	132110	132220	132330	132440	132550	132660	132770
297.9	132880	132990	133100	133210	133320	133430	133540	133650	133760	133870
298.0	133980	134100	134210	134320	134430	134540	134650	134760	134870	134980
298.1	135100	135210	135320	135430	135540	135650	135760	135880	135990	136100
298.2	136210	136320	136440	136550	136660	136770	136880	137000	137110	137220
298.3	137330	137450	137560	137670	137780	137900	138010	138120	138230	138350
298.4	138460	138570	138690	138800	138910	139020	139140	139250	139360	139480
298.5	139590	139700	139820	139930	140040	140160	140270	140390	140500	140610
298.6	140730	140840	140960	141070	141180	141300	141410	141530	141640	141750
298.7	141870	141980	142100	142210	142330	142440	142560	142670	142790	142900
298.8	143020	143130	143250	143360	143480	143590	143710	143820	143940	144050
298.9	144170	144280	144400	144510	144630	144750	144860	144980	145090	145210
299.0	145320	145440	145560	145670	145790	145910	146020	146140	146250	146370
299.1	146490	146600	146720	146840	146950	147070	147190	147300	147420	147540
299.2	147660	147770	147890	148010	148120	148240	148360	148480	148590	148710
299.3	148830	148950	149060	149180	149300	149420	149540	149650	149770	149890
299.4	150010	150130	150240	150360	150480	150600	150720	150840	150960	151070
299.5	151190	151310	151430	151550	151670	151790	151900	152020	152140	152260
299.6	152380	152500	152620	152740	152860	152980	153100	153220	153340	153460
299.7	153580	153700	153820	153940	154060	154180	154300	154420	154540	154660
299.8	154780	154900	155020	155140	155260	155380	155500	155620	155740	155860

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
299.9	155980	156100	156220	156340	156460	156590	156710	156830	156950	157070
300.0	157190	157310	157430	157560	157680	157800	157920	158040	158160	158290
300.1	158410	158530	158650	158780	158900	159020	159140	159260	159390	159510
300.2	159630	159750	159880	160000	160120	160250	160370	160490	160610	160740
300.3	160860	160980	161110	161230	161350	161480	161600	161720	161850	161970
300.4	162100	162220	162340	162470	162590	162720	162840	162960	163090	163210
300.5	163340	163460	163590	163710	163830	163960	164080	164210	164330	164460
300.6	164580	164710	164830	164960	165080	165210	165340	165460	165590	165710
300.7	165840	165960	166090	166220	166340	166470	166590	166720	166850	166970
300.8	167100	167230	167350	167480	167610	167730	167860	167990	168120	168240
300.9	168370	168500	168620	168750	168880	169010	169140	169260	169390	169520
301.0	169650	169780	169900	170030	170160	170290	170420	170550	170670	170800
301.1	170930	171060	171190	171320	171450	171580	171710	171840	171970	172100
301.2	172230	172350	172480	172610	172740	172870	173000	173130	173260	173400
301.3	173530	173660	173790	173920	174050	174180	174310	174440	174570	174700
301.4	174830	174960	175090	175230	175360	175490	175620	175750	175880	176010
301.5	176150	176280	176410	176540	176670	176800	176940	177070	177200	177330
301.6	177470	177600	177730	177860	178000	178130	178260	178390	178530	178660
301.7	178790	178930	179060	179190	179330	179460	179590	179730	179860	179990
301.8	180130	180260	180400	180530	180660	180800	180930	181070	181200	181340
301.9	181470	181600	181740	181870	182010	182140	182280	182410	182550	182680
302.0	182820	182960	183090	183230	183360	183500	183630	183770	183910	184040
302.1	184180	184310	184450	184590	184720	184860	185000	185130	185270	185410
302.2	185550	185680	185820	185960	186100	186230	186370	186510	186650	186790
302.3	186920	187060	187200	187340	187480	187620	187750	187890	188030	188170
302.4	188310	188450	188590	188730	188870	189010	189140	189280	189420	189560
302.5	189700	189840	189980	190120	190260	190400	190540	190680	190820	190960
302.6	191100	191240	191390	191530	191670	191810	191950	192090	192230	192370
302.7	192510	192650	192790	192940	193080	193220	193360	193500	193640	193790
302.8	193930	194070	194210	194350	194490	194640	194780	194920	195060	195210
302.9	195350	195490	195630	195780	195920	196060	196200	196350	196490	196630
303.0	196780	196920	197060	197210	197350	197490	197640	197780	197930	198070
303.1	198210	198360	198500	198650	198790	198930	199080	199220	199370	199510
303.2	199660	199800	199950	200090	200240	200380	200530	200670	200820	200960
303.3	201110	201260	201400	201550	201690	201840	201980	202130	202280	202420
303.4	202570	202720	202860	203010	203160	203300	203450	203600	203750	203890
303.5	204040	204190	204340	204480	204630	204780	204930	205070	205220	205370
303.6	205520	205670	205820	205960	206110	206260	206410	206560	206710	206860
303.7	207010	207160	207310	207460	207600	207750	207900	208050	208200	208350
303.8	208500	208650	208800	208950	209100	209260	209410	209560	209710	209860
303.9	210010	210160	210310	210460	210610	210770	210920	211070	211220	211370
304.0	211520	211670	211830	211980	212130	212280	212440	212590	212740	212890
304.1	213050	213200	213350	213500	213660	213810	213960	214120	214270	214420
304.2	214580	214730	214880	215040	215190	215350	215500	215650	215810	215960
304.3	216120	216270	216430	216580	216740	216890	217050	217200	217360	217510
304.4	217670	217820	217980	218130	218290	218450	218600	218760	218910	219070
304.5	219230	219380	219540	219700	219850	220010	220170	220320	220480	220640
304.6	220790	220950	221110	221270	221420	221580	221740	221900	222050	222210
304.7	222370	222530	222690	222850	223000	223160	223320	223480	223640	223800
304.8	223960	224120	224270	224430	224590	224750	224910	225070	225230	225390

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

VOLUME IN ACRE-FEET ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
304.9	225550	225710	225870	226030	226190	226350	226510	226670	226830	226990
305.0	227150	227320	227480	227640	227800	227960	228120	228280	228440	228610
305.1	228770	228930	229090	229250	229420	229580	229740	229900	230060	230230
305.2	230390	230550	230720	230880	231040	231200	231370	231530	231690	231860
305.3	232020	232180	232350	232510	232680	232840	233000	233170	233330	233500
305.4	233660	233830	233990	234150	234320	234480	234650	234810	234980	235140
305.5	235310	235480	235640	235810	235970	236140	236300	236470	236630	236800
305.6	236970	237130	237300	237470	237630	237800	237970	238130	238300	238470
305.7	238630	238800	238970	239130	239300	239470	239640	239800	239970	240140
305.8	240310	240480	240640	240810	240980	241150	241320	241490	241650	241820
305.9	241990	242160	242330	242500	242670	242840	243010	243180	243350	243510
306.0	243680	243850	244020	244190	244360	244530	244700	244880	245050	245220
306.1	245390	245560	245730	245900	246070	246240	246410	246580	246750	246930
306.2	247100	247270	247440	247610	247780	247960	248130	248300	248470	248640
306.3	248820	248990	249160	249330	249510	249680	249850	250020	250200	250370
306.4	250540	250720	250890	251060	251240	251410	251580	251760	251930	252110
306.5	252280	252450	252630	252800	252980	253150	253330	253500	253680	253850
306.6	254030	254200	254380	254550	254730	254900	255080	255250	255430	255600
306.7	255780	255960	256130	256310	256480	256660	256840	257010	257190	257370
306.8	257540	257720	257900	258080	258250	258430	258610	258790	258960	259140
306.9	259320	259500	259680	259850	260030	260210	260390	260570	260750	260920
307.0	261100	261280	261460	261640	261820	262000	262180	262360	262540	262720
307.1	262900	263080	263260	263440	263620	263800	263980	264160	264340	264520
307.2	264700	264880	265060	265240	265430	265610	265790	265970	266150	266330
307.3	266520	266700	266880	267060	267240	267430	267610	267790	267980	268160
307.4	268340	268520	268710	268890	269080	269260	269440	269630	269810	269990
307.5	270180	270360	270550	270730	270920	271100	271290	271470	271660	271840
307.6	272030	272210	272400	272580	272770	272960	273140	273330	273510	273700
307.7	273890	274070	274260	274450	274630	274820	275010	275190	275380	275570
307.8	275760	275940	276130	276320	276510	276700	276880	277070	277260	277450
307.9	277640	277830	278010	278200	278390	278580	278770	278960	279150	279340
308.0	279530	279720	279910	280100	280290	280480	280670	280860	281050	281240
308.1	281430	281620	281810	282000	282190	282380	282570	282760	282950	283140
308.2	283340	283530	283720	283910	284100	284290	284490	284680	284870	285060
308.3	285260	285450	285640	285830	286030	286220	286410	286600	286800	286990
308.4	287180	287380	287570	287760	287960	288150	288350	288540	288730	288930
308.5	289120	289320	289510	289710	289900	290100	290290	290490	290680	290880
308.6	291070	291270	291460	291660	291850	292050	292250	292440	292640	292830
308.7	293030	293230	293420	293620	293820	294010	294210	294410	294600	294800
308.8	295000	295200	295390	295590	295790	295990	296180	296380	296580	296780
308.9	296980	297180	297370	297570	297770	297970	298170	298370	298570	298770
309.0	298970	299170	299360	299560	299760	299960	300160	300360	300560	300760
309.1	300960	301160	301360	301560	301770	301970	302170	302370	302570	302770
309.2	302970	303170	303370	303580	303780	303980	304180	304380	304580	304790
309.3	304990	305190	305390	305590	305800	306000	306200	306400	306610	306810
309.4	307010	307220	307420	307620	307830	308030	308230	308440	308640	308840
309.5	309050	309250	309460	309660	309860	310070	310270	310480	310680	310890
309.6	311090	311300	311500	311710	311910	312120	312320	312530	312730	312940
309.7	313140	313350	313550	313760	313970	314170	314380	314580	314790	315000
309.8	315200	315410	315620	315820	316030	316240	316450	316650	316860	317070

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

VOLUME IN ACRE-FEET ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
309.9	317280	317480	317690	317900	318110	318310	318520	318730	318940	319150
310.0	319360	319560	319770	319980	320190	320400	320610	320820	321030	321240
310.1	321450	321650	321860	322070	322280	322490	322700	322910	323120	323330
310.2	323550	323760	323970	324180	324390	324600	324810	325020	325230	325440
310.3	325660	325870	326080	326290	326500	326720	326930	327140	327350	327560
310.4	327780	327990	328200	328410	328630	328840	329050	329270	329480	329690
310.5	329910	330120	330330	330550	330760	330970	331190	331400	331620	331830
310.6	332040	332260	332470	332690	332900	333120	333330	333550	333760	333980
310.7	334190	334410	334620	334840	335050	335270	335480	335700	335910	336130
310.8	336350	336560	336780	336990	337210	337430	337640	337860	338080	338290
310.9	338510	338730	338940	339160	339380	339590	339810	340030	340250	340460
311.0	340680	340900	341120	341330	341550	341770	341990	342200	342420	342640
311.1	342860	343080	343300	343510	343730	343950	344170	344390	344610	344830
311.2	345050	345270	345490	345710	345920	346140	346360	346580	346800	347020
311.3	347240	347460	347690	347910	348130	348350	348570	348790	349010	349230
311.4	349450	349670	349890	350120	350340	350560	350780	351000	351220	351450
311.5	351670	351890	352110	352340	352560	352780	353000	353230	353450	353670
311.6	353900	354120	354340	354570	354790	355010	355240	355460	355680	355910
311.7	356130	356360	356580	356800	357030	357250	357480	357700	357930	358150
311.8	358380	358600	358830	359050	359280	359500	359730	359950	360180	360400
311.9	360630	360860	361080	361310	361530	361760	361990	362210	362440	362670
312.0	362890	363120	363350	363570	363800	364030	364260	364480	364710	364940
312.1	365170	365400	365620	365850	366080	366310	366540	366770	366990	367220
312.2	367450	367680	367910	368140	368370	368600	368830	369060	369290	369520
312.3	369750	369980	370210	370440	370670	370900	371130	371360	371590	371820
312.4	372050	372280	372510	372740	372980	373210	373440	373670	373900	374130
312.5	374360	374600	374830	375060	375290	375520	375760	375990	376220	376450
312.6	376690	376920	377150	377390	377620	377850	378090	378320	378550	378790
312.7	379020	379250	379490	379720	379950	380190	380420	380660	380890	381130
312.8	381360	381590	381830	382060	382300	382530	382770	383000	383240	383480
312.9	383710	383950	384180	384420	384650	384890	385120	385360	385600	385830
313.0	386070	386310	386540	386780	387020	387250	387490	387730	387960	388200
313.1	388440	388680	388910	389150	389390	389630	389860	390100	390340	390580
313.2	390820	391060	391290	391530	391770	392010	392250	392490	392730	392970
313.3	393210	393450	393680	393920	394160	394400	394640	394880	395120	395360
313.4	395600	395840	396090	396330	396570	396810	397050	397290	397530	397770
313.5	398010	398250	398490	398740	398980	399220	399460	399700	399940	400190
313.6	400430	400670	400910	401150	401400	401640	401880	402120	402370	402610
313.7	402850	403100	403340	403580	403830	404070	404310	404560	404800	405040
313.8	405290	405530	405780	406020	406270	406510	406750	407000	407240	407490
313.9	407730	407980	408220	408470	408710	408960	409200	409450	409700	409940
314.0	410190	410430	410680	410930	411170	411420	411660	411910	412160	412400
314.1	412650	412900	413150	413390	413640	413890	414130	414380	414630	414880
314.2	415120	415370	415620	415870	416120	416360	416610	416860	417110	417360
314.3	417610	417860	418110	418360	418610	418850	419100	419350	419600	419850
314.4	420100	420350	420600	420850	421110	421360	421610	421860	422110	422360
314.5	422610	422860	423110	423370	423620	423870	424120	424370	424620	424880
314.6	425130	425380	425630	425890	426140	426390	426650	426900	427150	427410
314.7	427660	427910	428170	428420	428670	428930	429180	429440	429690	429940
314.8	430200	430450	430710	430960	431220	431470	431730	431980	432240	432490

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

VOLUME IN ACRE-FEET

ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
314.9	432750	433000	433260	433510	433770	434030	434280	434540	434790	435050
315.0	435310	435560	435820	436080	436330	436590	436850	437100	437360	437620
315.1	437880	438130	438390	438650	438910	439160	439420	439680	439940	440190
315.2	440450	440710	440970	441230	441490	441750	442010	442260	442520	442780
315.3	443040	443300	443560	443820	444080	444340	444600	444860	445120	445380
315.4	445640	445900	446160	446420	446680	446940	447200	447460	447720	447990
315.5	448250	448510	448770	449030	449290	449550	449820	450080	450340	450600
315.6	450870	451130	451390	451650	451920	452180	452440	452710	452970	453230
315.7	453500	453760	454020	454290	454550	454810	455080	455340	455610	455870
315.8	456140	456400	456670	456930	457190	457460	457720	457990	458260	458520
315.9	458790	459050	459320	459580	459850	460120	460380	460650	460920	461180
316.0	461450	461720	461980	462250	462520	462780	463050	463320	463580	463850
316.1	464120	464390	464660	464920	465190	465460	465730	466000	466260	466530
316.2	466800	467070	467340	467610	467880	468150	468420	468680	468950	469220
316.3	469490	469760	470030	470300	470570	470840	471110	471390	471660	471930
316.4	472200	472470	472740	473010	473280	473550	473820	474100	474370	474640
316.5	474910	475180	475460	475730	476000	476270	476540	476820	477090	477360
316.6	477640	477910	478180	478460	478730	479000	479270	479550	479820	480100
316.7	480370	480640	480920	481190	481460	481740	482010	482290	482560	482840
316.8	483110	483390	483660	483940	484210	484490	484760	485040	485310	485590
316.9	485860	486140	486410	486690	486970	487240	487520	487790	488070	488350
317.0	488620	488900	489180	489450	489730	490010	490280	490560	490840	491120
317.1	491390	491670	491950	492230	492510	492780	493060	493340	493620	493900
317.2	494180	494450	494730	495010	495290	495570	495850	496130	496410	496690
317.3	496970	497250	497530	497810	498090	498370	498650	498930	499210	499490
317.4	499770	500050	500330	500610	500890	501170	501450	501730	502020	502300
317.5	502580	502860	503140	503420	503710	503990	504270	504550	504830	505120
317.6	505400	505680	505970	506250	506530	506810	507100	507380	507660	507950
317.7	508230	508520	508800	509080	509370	509650	509940	510220	510510	510790
317.8	511070	511360	511640	511930	512210	512500	512780	513070	513360	513640
317.9	513930	514210	514500	514790	515070	515360	515640	515930	516220	516500
318.0	516790	517080	517360	517650	517940	518220	518510	518800	519090	519370
318.1	519660	519950	520240	520530	520810	521100	521390	521680	521970	522250
318.2	522540	522830	523120	523410	523700	523990	524280	524560	524850	525140
318.3	525430	525720	526010	526300	526590	526880	527170	527460	527750	528040
318.4	528330	528620	528910	529200	529490	529780	530070	530360	530660	530950
318.5	531240	531530	531820	532110	532400	532690	532980	533280	533570	533860
318.6	534150	534440	534730	535030	535320	535610	535900	536200	536490	536780
318.7	537070	537370	537660	537950	538240	538540	538830	539120	539420	539710
318.8	540000	540300	540590	540880	541180	541470	541760	542060	542350	542650
318.9	542940	543240	543530	543820	544120	544410	544710	545000	545300	545590
319.0	545890	546180	546480	546770	547070	547360	547660	547950	548250	548540
319.1	548840	549140	549430	549730	550020	550320	550620	550910	551210	551510
319.2	551800	552100	552400	552690	552990	553290	553580	553880	554180	554480
319.3	554770	555070	555370	555670	555960	556260	556560	556860	557160	557450
319.4	557750	558050	558350	558650	558950	559240	559540	559840	560140	560440
319.5	560740	561040	561330	561630	561930	562230	562530	562830	563130	563430
319.6	563730	564030	564330	564630	564920	565220	565520	565820	566120	566420
319.7	566720	567020	567320	567620	567920	568220	568520	568820	569120	569420
319.8	569720	570020	570320	570620	570920	571230	571530	571830	572130	572430

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

VOLUME IN ACRE-FEET ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
319.9	572730	573030	573330	573630	573930	574240	574540	574840	575140	575440
320.0	575740	576040	576340	576650	576950	577250	577550	577850	578160	578460
320.1	578760	579060	579360	579670	579970	580270	580570	580880	581180	581480
320.2	581780	582080	582390	582690	582990	583300	583600	583900	584200	584510
320.3	584810	585110	585420	585720	586020	586330	586630	586930	587240	587540
320.4	587850	588150	588450	588760	589060	589370	589670	589970	590280	590580
320.5	590890	591190	591490	591800	592100	592410	592710	593020	593320	593630
320.6	593930	594240	594540	594850	595150	595460	595760	596070	596370	596680
320.7	596980	597290	597590	597900	598200	598510	598820	599120	599430	599730
320.8	600040	600350	600650	600960	601260	601570	601880	602180	602490	602800
320.9	603100	603410	603720	604020	604330	604640	604940	605250	605560	605860
321.0	606170	606480	606790	607090	607400	607710	608020	608320	608630	608940
321.1	609250	609550	609860	610170	610480	610790	611090	611400	611710	612020
321.2	612330	612630	612940	613250	613560	613870	614180	614490	614790	615100
321.3	615410	615720	616030	616340	616650	616960	617270	617580	617890	618200
321.4	618500	618810	619120	619430	619740	620050	620360	620670	620980	621290
321.5	621600	621910	622220	622530	622840	623150	623460	623770	624080	624400
321.6	624710	625020	625330	625640	625950	626260	626570	626880	627190	627500
321.7	627820	628130	628440	628750	629060	629370	629680	630000	630310	630620
321.8	630930	631240	631550	631870	632180	632490	632800	633120	633430	633740
321.9	634050	634360	634680	634990	635300	635620	635930	636240	636550	636870
322.0	637180									

TEXAS WATER DEVELOPMENT BOARD Jun 5 1995

RESERVOIR AREA TABLE

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

AREA IN ACRES — ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
255.0										
255.1										
255.2										
255.3										
255.4										
255.5										
255.6										
255.7										
255.8										
255.9										
256.0										
256.1										
256.2					1	1	1	1	1	1
256.3	1	1	1	1	1	1	1	1	1	1
256.4	1	1	1	1	1	1	1	1	1	1
256.5	1	1	1	1	1	1	1	1	1	1
256.6	1	1	1	1	1	1	1	1	1	1
256.7	1	1	1	1	1	1	1	1	1	1
256.8	1	1	1	1	1	1	1	1	1	1
256.9	1	1	1	1	1	1	1	1	1	1
257.0	1	1	1	1	1	2	2	2	2	2
257.1	2	2	2	2	2	2	2	2	2	2
257.2	2	2	2	2	2	2	2	2	2	2
257.3	2	2	2	2	2	2	2	2	2	2
257.4	3	3	3	3	3	3	3	3	3	3
257.5	3	3	3	3	3	3	3	3	3	3
257.6	3	3	3	3	3	3	3	3	4	4
257.7	4	4	4	4	4	4	4	4	4	4
257.8	4	4	4	4	4	4	4	4	4	4
257.9	4	4	5	5	5	5	5	5	5	5
258.0	5	5	5	5	5	5	5	5	5	5
258.1	5	5	5	5	5	6	6	6	6	6
258.2	6	6	6	6	6	6	6	6	6	6
258.3	6	6	6	6	6	6	6	6	7	7
258.4	7	7	7	7	7	7	7	7	7	7
258.5	7	7	7	7	7	7	7	7	7	7
258.6	8	8	8	8	8	8	8	8	8	8
258.7	8	8	8	8	8	8	8	8	8	8
258.8	8	8	9	9	9	9	9	9	9	9
258.9	9	9	9	9	9	9	9	9	9	9
259.0	9	9	9	10	10	10	10	10	10	10
259.1	10	10	10	10	10	10	10	10	10	10
259.2	10	10	10	11	11	11	11	11	11	11
259.3	11	11	11	11	11	11	11	11	11	11
259.4	11	11	12	12	12	12	12	12	12	12
259.5	12	12	12	12	12	12	12	12	12	12
259.6	12	13	13	13	13	13	13	13	13	13
259.7	13	13	13	13	13	13	13	13	13	14
259.8	14	14	14	14	14	14	14	14	14	14

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

	AREA IN ACRES				ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT					
ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
259.9	14	14	14	14	14	14	14	15	15	15
260.0	15	15	15	15	15	15	15	15	15	15
260.1	15	15	15	16	16	16	16	16	16	16
260.2	16	16	16	16	16	16	17	17	17	17
260.3	17	17	17	17	17	17	17	17	18	18
260.4	18	18	18	18	18	18	18	18	18	19
260.5	19	19	19	19	19	19	19	19	19	19
260.6	19	20	20	20	20	20	20	20	20	20
260.7	20	20	20	20	21	21	21	21	21	21
260.8	21	21	21	21	21	21	21	21	22	22
260.9	22	22	22	22	22	22	22	22	22	22
261.0	22	22	23	23	23	23	23	23	23	23
261.1	23	23	23	23	23	24	24	24	24	24
261.2	24	24	24	24	24	24	24	24	25	25
261.3	25	25	25	25	25	25	25	25	25	25
261.4	25	26	26	26	26	26	26	26	26	26
261.5	26	26	27	27	27	27	27	27	27	27
261.6	27	27	27	27	28	28	28	28	28	28
261.7	28	28	28	28	29	29	29	29	29	29
261.8	29	29	29	29	30	30	30	30	30	30
261.9	30	30	30	31	31	31	31	31	31	31
262.0	31	31	32	32	32	32	32	32	32	32
262.1	33	33	33	33	33	33	33	34	34	34
262.2	34	34	34	34	35	35	35	35	35	35
262.3	35	36	36	36	36	36	36	36	37	37
262.4	37	37	37	37	37	38	38	38	38	38
262.5	38	39	39	39	39	39	39	39	40	40
262.6	40	40	40	40	41	41	41	41	41	41
262.7	42	42	42	42	42	42	43	43	43	43
262.8	43	43	43	44	44	44	44	44	44	45
262.9	45	45	45	45	46	46	46	46	46	46
263.0	47	47	47	47	47	47	48	48	48	48
263.1	48	49	49	49	49	49	49	50	50	50
263.2	50	50	51	51	51	51	51	52	52	52
263.3	52	52	53	53	53	53	53	54	54	54
263.4	54	54	55	55	55	55	55	55	56	56
263.5	56	56	56	57	57	57	57	57	58	58
263.6	58	58	58	59	59	59	59	59	60	60
263.7	60	60	61	61	61	61	61	62	62	62
263.8	62	62	63	63	63	63	63	64	64	64
263.9	64	65	65	65	65	65	66	66	66	66
264.0	66	67	67	67	67	68	68	68	68	68
264.1	69	69	69	69	69	70	70	70	70	71
264.2	71	71	71	71	72	72	72	72	72	73
264.3	73	73	73	73	74	74	74	74	74	75
264.4	75	75	75	75	76	76	76	76	77	77
264.5	77	77	77	78	78	78	78	78	79	79
264.6	79	79	80	80	80	80	81	81	81	81
264.7	81	82	82	82	82	83	83	83	83	84
264.8	84	84	84	85	85	85	86	86	86	86

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

	AREA IN ACRES				ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT					
ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
264.9	87	87	87	87	88	88	88	88	89	89
265.0	89	90	90	90	90	91	91	91	91	92
265.1	92	92	93	93	93	93	94	94	94	95
265.2	95	95	96	96	96	97	97	97	97	98
265.3	98	98	99	99	99	100	100	101	101	101
265.4	102	102	102	103	103	103	104	104	105	105
265.5	105	106	106	106	107	107	108	108	108	109
265.6	109	110	110	110	111	111	112	112	113	113
265.7	113	114	114	115	115	116	116	117	117	117
265.8	118	118	119	119	120	120	121	121	121	122
265.9	122	123	123	124	124	125	125	126	126	126
266.0	127	127	128	128	129	129	130	130	131	131
266.1	132	132	132	133	133	134	134	135	135	136
266.2	136	137	137	138	138	139	139	140	140	141
266.3	141	142	143	143	144	144	145	145	146	146
266.4	147	147	148	148	149	149	150	150	150	151
266.5	151	152	152	153	153	154	154	155	155	156
266.6	156	157	157	158	158	159	159	159	160	160
266.7	161	161	162	162	163	163	164	164	165	165
266.8	166	166	167	167	168	168	169	169	170	170
266.9	171	171	171	172	172	173	173	174	174	175
267.0	175	176	176	177	177	178	178	179	179	180
267.1	180	181	181	182	182	183	183	184	184	185
267.2	185	186	186	187	187	188	188	189	189	190
267.3	190	191	191	192	192	193	193	194	194	195
267.4	195	196	196	197	197	198	198	199	199	200
267.5	200	201	201	202	202	203	203	204	204	205
267.6	205	206	206	207	207	208	208	209	210	210
267.7	211	211	212	212	213	213	214	214	215	215
267.8	216	216	217	217	217	218	218	219	219	220
267.9	220	221	221	222	222	223	223	224	224	225
268.0	225	226	226	227	227	228	228	229	229	230
268.1	230	231	231	231	232	232	233	233	234	234
268.2	235	235	236	236	237	237	238	238	239	239
268.3	240	240	241	241	242	242	243	243	244	245
268.4	245	246	246	247	247	248	248	249	249	250
268.5	250	251	251	252	253	253	254	254	255	255
268.6	256	256	257	258	258	259	259	260	260	261
268.7	262	262	263	263	264	264	265	266	266	267
268.8	267	268	268	269	270	270	271	271	272	273
268.9	273	274	274	275	276	276	277	277	278	279
269.0	279	280	281	281	282	282	283	284	284	285
269.1	286	286	287	287	288	289	289	290	291	291
269.2	292	293	293	294	295	295	296	297	297	298
269.3	299	300	300	301	302	303	303	304	305	305
269.4	306	307	308	309	309	310	311	312	313	313
269.5	314	315	316	317	317	318	319	320	320	321
269.6	322	323	324	324	325	326	327	328	328	329
269.7	330	331	331	332	333	334	335	335	336	337
269.8	338	339	339	340	341	342	343	343	344	345

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

AREA IN ACRES — ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
269.9	346	347	348	348	349	350	351	352	353	353
270.0	354	355	356	357	358	359	359	360	361	362
270.1	363	364	365	366	367	368	369	370	371	372
270.2	373	374	375	376	377	378	379	380	381	382
270.3	383	384	385	386	387	388	389	390	391	392
270.4	393	394	395	396	397	398	399	400	401	402
270.5	404	405	406	407	408	409	410	411	412	413
270.6	415	416	418	419	420	421	422	424	425	426
270.7	427	429	430	431	432	433	435	436	437	439
270.8	440	441	443	444	446	447	449	450	452	454
270.9	456	457	459	461	462	464	466	468	469	471
271.0	474	475	477	479	480	482	483	485	487	488
271.1	490	491	493	494	496	497	499	500	502	503
271.2	505	506	508	509	511	512	514	515	517	518
271.3	520	522	523	525	526	528	529	531	532	534
271.4	535	537	539	540	542	544	545	547	549	550
271.5	552	554	555	557	559	560	562	564	565	567
271.6	569	570	572	573	575	576	578	580	581	583
271.7	584	586	587	589	591	592	594	595	597	599
271.8	600	602	604	606	607	609	611	612	614	616
271.9	618	619	621	623	625	626	628	630	631	633
272.0	635	636	638	640	642	644	645	647	649	650
272.1	652	654	655	657	659	661	662	664	666	668
272.2	670	672	674	676	677	679	681	683	685	687
272.3	689	690	692	694	696	698	700	702	704	706
272.4	708	710	712	714	716	718	720	722	725	727
272.5	729	731	733	736	738	740	742	744	746	748
272.6	749	751	753	755	757	759	760	762	764	766
272.7	767	769	771	773	775	776	778	780	782	783
272.8	785	787	789	791	792	794	796	798	799	801
272.9	803	805	806	808	810	812	813	815	817	819
273.0	820	822	824	826	827	829	831	833	834	836
273.1	838	840	841	843	845	847	849	851	852	854
273.2	856	859	861	863	866	868	870	872	874	876
273.3	878	880	882	883	885	887	889	891	893	895
273.4	897	898	900	902	904	906	908	910	912	913
273.5	915	917	919	921	923	925	927	928	930	932
273.6	934	936	937	939	941	943	944	946	948	950
273.7	951	953	955	957	959	961	963	964	966	968
273.8	970	972	974	976	977	979	981	983	985	987
273.9	989	991	993	995	997	998	1000	1002	1005	1007
274.0	1009	1011	1013	1015	1017	1019	1021	1023	1025	1027
274.1	1029	1031	1033	1036	1038	1040	1042	1044	1046	1048
274.2	1050	1053	1055	1057	1059	1061	1063	1065	1067	1070
274.3	1073	1075	1077	1079	1081	1083	1085	1087	1090	1092
274.4	1094	1096	1098	1100	1102	1104	1106	1108	1110	1112
274.5	1114	1116	1118	1120	1122	1124	1126	1127	1129	1131
274.6	1133	1135	1137	1139	1141	1143	1145	1147	1149	1152
274.7	1154	1156	1158	1160	1162	1164	1166	1168	1170	1172
274.8	1175	1177	1179	1181	1183	1185	1188	1190	1192	1194

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

	AREA IN ACRES				ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT					
ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
274.9	1196	1198	1200	1202	1204	1207	1209	1211	1213	1215
275.0	1217	1220	1222	1224	1226	1228	1231	1233	1235	1237
275.1	1240	1242	1244	1246	1249	1251	1253	1255	1258	1260
275.2	1262	1265	1267	1269	1271	1273	1276	1278	1280	1282
275.3	1284	1287	1289	1291	1293	1295	1298	1300	1302	1304
275.4	1306	1308	1310	1313	1315	1317	1319	1321	1323	1325
275.5	1328	1330	1332	1334	1336	1339	1341	1343	1345	1347
275.6	1349	1352	1354	1356	1358	1361	1363	1365	1367	1370
275.7	1372	1374	1377	1379	1381	1383	1385	1388	1390	1392
275.8	1394	1396	1398	1401	1403	1405	1407	1410	1412	1414
275.9	1416	1418	1421	1423	1425	1427	1429	1431	1433	1435
276.0	1437	1439	1441	1443	1446	1448	1450	1452	1454	1456
276.1	1458	1460	1462	1465	1467	1469	1471	1473	1475	1478
276.2	1480	1482	1484	1487	1489	1491	1493	1496	1498	1500
276.3	1503	1505	1507	1510	1512	1514	1517	1519	1522	1524
276.4	1526	1529	1531	1533	1536	1538	1540	1543	1545	1547
276.5	1550	1552	1555	1557	1560	1562	1565	1567	1571	1573
276.6	1576	1578	1581	1583	1586	1588	1591	1593	1596	1599
276.7	1601	1604	1606	1609	1611	1614	1616	1619	1621	1624
276.8	1626	1628	1631	1633	1636	1638	1641	1643	1646	1648
276.9	1651	1654	1656	1659	1661	1664	1666	1669	1671	1674
277.0	1676	1679	1682	1684	1687	1689	1692	1695	1697	1700
277.1	1703	1706	1708	1711	1713	1716	1719	1721	1724	1727
277.2	1730	1732	1735	1738	1741	1743	1746	1749	1752	1755
277.3	1758	1761	1764	1767	1770	1773	1776	1779	1782	1785
277.4	1788	1791	1794	1797	1800	1803	1806	1809	1813	1816
277.5	1819	1822	1826	1829	1832	1835	1838	1841	1845	1849
277.6	1852	1855	1859	1862	1866	1869	1873	1876	1880	1883
277.7	1886	1889	1893	1896	1899	1902	1906	1909	1912	1915
277.8	1918	1921	1925	1928	1931	1934	1937	1940	1944	1947
277.9	1950	1953	1956	1960	1963	1966	1969	1972	1976	1979
278.0	1982	1986	1989	1992	1996	1999	2003	2007	2010	2013
278.1	2017	2020	2023	2026	2030	2033	2036	2039	2043	2046
278.2	2049	2052	2055	2058	2061	2064	2067	2070	2072	2075
278.3	2078	2081	2084	2087	2090	2093	2096	2098	2101	2104
278.4	2107	2110	2112	2115	2118	2121	2123	2126	2129	2131
278.5	2134	2137	2140	2142	2145	2148	2150	2153	2156	2158
278.6	2161	2164	2166	2169	2172	2175	2177	2180	2183	2186
278.7	2189	2192	2195	2198	2201	2204	2206	2209	2212	2215
278.8	2218	2221	2224	2227	2231	2234	2237	2240	2243	2247
278.9	2250	2253	2257	2260	2263	2267	2270	2273	2277	2280
279.0	2283	2286	2290	2293	2296	2299	2303	2306	2309	2312
279.1	2315	2318	2322	2325	2328	2331	2334	2337	2341	2344
279.2	2347	2350	2353	2356	2359	2363	2366	2369	2373	2376
279.3	2379	2382	2385	2388	2391	2394	2397	2400	2404	2407
279.4	2410	2414	2417	2420	2423	2427	2430	2433	2437	2440
279.5	2443	2446	2449	2453	2456	2459	2462	2465	2469	2472
279.6	2475	2478	2481	2484	2487	2490	2493	2496	2499	2502
279.7	2505	2508	2511	2514	2517	2520	2523	2526	2529	2532
279.8	2535	2539	2542	2545	2548	2551	2554	2556	2560	2563

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

	AREA IN ACRES				ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT					
ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
279.9	2566	2568	2571	2574	2577	2580	2583	2586	2590	2593
280.0	2596	2599	2602	2605	2608	2611	2615	2618	2621	2624
280.1	2627	2630	2634	2637	2640	2643	2647	2650	2653	2656
280.2	2660	2663	2666	2670	2673	2676	2680	2683	2687	2690
280.3	2693	2696	2700	2703	2706	2709	2712	2716	2719	2722
280.4	2725	2728	2731	2735	2738	2741	2744	2748	2751	2754
280.5	2758	2761	2764	2768	2771	2774	2778	2781	2784	2788
280.6	2791	2795	2798	2801	2805	2808	2812	2816	2819	2823
280.7	2827	2831	2834	2838	2842	2845	2849	2853	2857	2860
280.8	2864	2868	2872	2876	2879	2883	2887	2891	2895	2899
280.9	2903	2907	2910	2914	2918	2922	2926	2931	2935	2938
281.0	2942	2946	2950	2954	2958	2962	2966	2970	2974	2978
281.1	2982	2985	2989	2993	2997	3001	3005	3009	3013	3017
281.2	3021	3025	3029	3033	3037	3041	3045	3050	3054	3059
281.3	3063	3067	3071	3076	3080	3084	3089	3094	3098	3103
281.4	3107	3111	3116	3120	3125	3129	3134	3139	3143	3147
281.5	3151	3155	3159	3163	3168	3172	3176	3180	3184	3189
281.6	3193	3197	3201	3205	3209	3213	3217	3221	3225	3229
281.7	3233	3237	3241	3244	3248	3252	3256	3260	3264	3267
281.8	3271	3275	3279	3283	3287	3291	3295	3300	3304	3308
281.9	3312	3316	3320	3324	3329	3333	3337	3342	3346	3350
282.0	3355	3359	3363	3367	3372	3376	3380	3385	3389	3393
282.1	3397	3401	3406	3410	3414	3418	3422	3426	3430	3434
282.2	3438	3441	3445	3449	3452	3456	3460	3464	3468	3471
282.3	3475	3479	3483	3487	3491	3495	3499	3503	3507	3511
282.4	3515	3519	3523	3528	3532	3536	3540	3544	3548	3552
282.5	3556	3560	3564	3569	3573	3577	3581	3585	3589	3593
282.6	3598	3602	3607	3611	3615	3620	3624	3631	3635	3639
282.7	3643	3647	3652	3656	3660	3664	3668	3673	3677	3681
282.8	3685	3690	3694	3698	3702	3707	3711	3715	3720	3724
282.9	3729	3733	3738	3743	3747	3752	3756	3761	3765	3770
283.0	3774	3779	3783	3788	3792	3796	3801	3805	3810	3814
283.1	3819	3823	3828	3832	3837	3842	3846	3851	3856	3860
283.2	3864	3869	3873	3877	3881	3886	3890	3894	3899	3903
283.3	3908	3912	3916	3921	3925	3930	3934	3939	3943	3947
283.4	3951	3956	3960	3964	3969	3973	3977	3982	3986	3991
283.5	3995	3999	4004	4008	4012	4017	4021	4025	4030	4034
283.6	4038	4042	4046	4051	4055	4059	4063	4068	4072	4076
283.7	4080	4084	4089	4093	4097	4101	4106	4111	4115	4119
283.8	4124	4128	4132	4137	4141	4146	4150	4155	4159	4164
283.9	4168	4173	4178	4182	4187	4192	4196	4201	4206	4210
284.0	4215	4220	4224	4229	4234	4238	4243	4248	4253	4258
284.1	4263	4268	4273	4278	4283	4288	4293	4298	4303	4308
284.2	4313	4318	4322	4327	4332	4337	4341	4346	4351	4356
284.3	4361	4366	4371	4376	4381	4386	4392	4397	4402	4408
284.4	4413	4418	4423	4429	4434	4439	4445	4450	4456	4461
284.5	4466	4471	4477	4482	4487	4493	4498	4506	4512	4518
284.6	4524	4530	4535	4541	4547	4553	4559	4566	4571	4576
284.7	4581	4587	4592	4597	4602	4608	4613	4619	4624	4629
284.8	4635	4640	4645	4651	4656	4661	4666	4672	4678	4683

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

AREA IN ACRES — ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
284.9	4688	4693	4698	4703	4708	4713	4717	4722	4727	4732
285.0	4737	4742	4747	4752	4757	4762	4768	4774	4779	4784
285.1	4790	4795	4800	4806	4812	4817	4823	4831	4836	4841
285.2	4846	4851	4857	4862	4867	4872	4878	4883	4888	4893
285.3	4898	4903	4909	4914	4919	4924	4929	4934	4939	4944
285.4	4949	4954	4959	4964	4969	4974	4979	4985	4990	4995
285.5	5000	5005	5009	5014	5019	5024	5029	5033	5038	5042
285.6	5047	5052	5056	5061	5065	5070	5074	5079	5083	5087
285.7	5091	5096	5100	5104	5108	5112	5116	5120	5124	5128
285.8	5132	5136	5140	5144	5148	5152	5156	5159	5164	5168
285.9	5172	5176	5180	5184	5188	5192	5196	5200	5204	5208
286.0	5212	5216	5220	5224	5228	5232	5236	5240	5244	5248
286.1	5251	5255	5259	5263	5267	5271	5275	5279	5283	5287
286.2	5290	5294	5298	5302	5306	5310	5314	5318	5322	5327
286.3	5331	5335	5339	5343	5347	5352	5356	5361	5365	5370
286.4	5374	5379	5383	5387	5392	5396	5401	5406	5411	5415
286.5	5420	5425	5429	5434	5438	5442	5447	5451	5456	5460
286.6	5464	5468	5473	5477	5481	5485	5489	5494	5498	5502
286.7	5506	5511	5515	5519	5523	5528	5532	5536	5541	5545
286.8	5549	5554	5558	5562	5567	5571	5576	5581	5586	5590
286.9	5595	5600	5604	5609	5613	5618	5622	5627	5631	5635
287.0	5640	5644	5648	5652	5657	5661	5665	5670	5674	5678
287.1	5683	5687	5691	5695	5699	5703	5707	5712	5716	5720
287.2	5724	5728	5732	5736	5740	5744	5748	5752	5756	5760
287.3	5764	5768	5772	5776	5780	5784	5788	5792	5796	5801
287.4	5805	5809	5813	5818	5822	5826	5830	5834	5839	5843
287.5	5847	5851	5856	5860	5865	5869	5874	5879	5883	5888
287.6	5892	5897	5902	5906	5911	5916	5920	5926	5930	5935
287.7	5939	5944	5949	5953	5958	5963	5968	5974	5978	5982
287.8	5987	5991	5995	5999	6004	6008	6012	6016	6020	6024
287.9	6028	6032	6036	6040	6044	6048	6052	6056	6060	6064
288.0	6068	6071	6075	6079	6083	6087	6091	6095	6098	6102
288.1	6106	6110	6114	6118	6122	6126	6129	6134	6137	6141
288.2	6145	6149	6153	6157	6161	6165	6169	6174	6178	6182
288.3	6186	6190	6195	6199	6203	6207	6212	6217	6221	6225
288.4	6230	6234	6238	6243	6247	6251	6255	6260	6264	6268
288.5	6273	6277	6281	6286	6290	6294	6299	6303	6308	6312
288.6	6317	6322	6326	6331	6335	6339	6344	6348	6353	6357
288.7	6361	6365	6370	6374	6378	6383	6387	6391	6395	6400
288.8	6404	6408	6412	6417	6421	6425	6429	6434	6439	6444
288.9	6448	6453	6458	6462	6467	6472	6476	6481	6486	6491
289.0	6495	6500	6505	6509	6514	6518	6523	6528	6532	6537
289.1	6542	6546	6551	6556	6560	6565	6570	6575	6579	6584
289.2	6589	6594	6599	6604	6609	6614	6619	6624	6629	6634
289.3	6639	6644	6650	6655	6660	6665	6670	6676	6681	6686
289.4	6690	6695	6700	6705	6710	6714	6719	6724	6729	6734
289.5	6739	6744	6748	6753	6758	6763	6767	6772	6777	6782
289.6	6787	6792	6797	6802	6807	6812	6817	6822	6827	6833
289.7	6838	6843	6848	6854	6859	6864	6870	6876	6881	6886
289.8	6892	6897	6902	6907	6913	6918	6923	6928	6933	6938

RESERVOIR AREA TABLE

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

ELEV. FEET	AREA IN ACRES .00	.01	.02	.03	ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT .04	.05	.06	.07	.08	.09
289.9	6943	6948	6953	6957	6962	6967	6972	6976	6981	6986
290.0	6991	6995	7000	7005	7009	7014	7019	7024	7029	7034
290.1	7039	7043	7048	7053	7058	7062	7067	7072	7077	7082
290.2	7087	7092	7097	7102	7107	7112	7117	7123	7128	7133
290.3	7138	7143	7148	7153	7158	7163	7168	7174	7179	7184
290.4	7189	7193	7198	7203	7208	7213	7218	7223	7228	7233
290.5	7238	7242	7247	7252	7258	7263	7268	7275	7280	7286
290.6	7291	7297	7303	7308	7314	7320	7325	7332	7338	7344
290.7	7350	7356	7362	7368	7374	7381	7387	7394	7400	7407
290.8	7413	7419	7425	7432	7438	7444	7450	7456	7462	7468
290.9	7474	7480	7486	7491	7497	7503	7508	7514	7519	7525
291.0	7530	7536	7541	7546	7552	7557	7563	7568	7574	7579
291.1	7585	7591	7596	7602	7607	7613	7619	7625	7631	7636
291.2	7642	7648	7654	7660	7666	7672	7678	7684	7689	7695
291.3	7701	7707	7713	7718	7724	7730	7735	7742	7747	7752
291.4	7757	7762	7768	7773	7778	7783	7788	7794	7799	7805
291.5	7810	7816	7821	7826	7832	7837	7843	7850	7856	7862
291.6	7867	7873	7879	7885	7891	7897	7902	7909	7914	7919
291.7	7925	7930	7936	7941	7946	7952	7957	7963	7969	7974
291.8	7980	7986	7992	7998	8004	8010	8016	8023	8029	8034
291.9	8040	8045	8051	8056	8062	8067	8073	8078	8084	8089
292.0	8095	8100	8106	8111	8117	8122	8128	8133	8139	8144
292.1	8150	8155	8161	8166	8171	8176	8181	8187	8192	8197
292.2	8202	8208	8213	8218	8224	8229	8235	8240	8246	8252
292.3	8257	8263	8269	8275	8281	8286	8292	8299	8304	8310
292.4	8316	8321	8327	8332	8338	8343	8349	8354	8360	8365
292.5	8370	8375	8381	8386	8391	8397	8402	8409	8415	8420
292.6	8425	8431	8436	8441	8447	8452	8458	8463	8469	8474
292.7	8480	8485	8490	8495	8500	8506	8511	8516	8521	8526
292.8	8531	8535	8540	8545	8550	8555	8559	8565	8570	8574
292.9	8579	8584	8588	8593	8598	8602	8607	8612	8617	8622
293.0	8626	8631	8635	8640	8644	8649	8653	8658	8663	8667
293.1	8672	8676	8681	8686	8690	8695	8700	8704	8709	8713
293.2	8718	8722	8727	8731	8736	8740	8745	8749	8753	8758
293.3	8762	8767	8771	8775	8780	8784	8789	8793	8797	8802
293.4	8806	8811	8815	8820	8824	8829	8833	8839	8843	8848
293.5	8852	8857	8861	8866	8870	8875	8879	8885	8889	8893
293.6	8898	8902	8906	8911	8915	8920	8924	8929	8933	8938
293.7	8942	8946	8951	8955	8959	8964	8968	8972	8976	8981
293.8	8985	8989	8994	8998	9002	9007	9011	9016	9020	9025
293.9	9029	9034	9038	9042	9047	9051	9056	9060	9064	9069
294.0	9073	9077	9082	9086	9090	9095	9099	9103	9107	9112
294.1	9116	9120	9125	9129	9133	9138	9143	9147	9151	9155
294.2	9159	9164	9168	9172	9176	9181	9185	9189	9194	9198
294.3	9203	9207	9211	9216	9220	9225	9229	9234	9239	9243
294.4	9247	9252	9256	9260	9264	9269	9273	9277	9282	9286
294.5	9290	9294	9298	9302	9306	9311	9315	9319	9324	9328
294.6	9332	9337	9341	9346	9351	9355	9360	9365	9369	9374
294.7	9379	9384	9389	9394	9399	9404	9410	9415	9420	9425
294.8	9430	9435	9440	9445	9450	9455	9460	9465	9470	9475

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

	AREA IN ACRES				ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT					
ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
294.9	9480	9485	9490	9495	9500	9505	9510	9515	9520	9525
295.0	9530	9535	9540	9545	9550	9554	9560	9565	9570	9575
295.1	9580	9585	9590	9595	9600	9605	9610	9615	9621	9626
295.2	9631	9636	9641	9646	9652	9657	9662	9667	9673	9678
295.3	9683	9689	9694	9699	9705	9710	9716	9721	9726	9732
295.4	9737	9742	9747	9753	9758	9763	9769	9774	9779	9785
295.5	9790	9796	9802	9807	9813	9819	9825	9831	9837	9843
295.6	9849	9855	9860	9866	9872	9877	9883	9889	9894	9900
295.7	9906	9911	9917	9922	9928	9933	9939	9944	9949	9954
295.8	9960	9965	9970	9975	9980	9985	9991	9996	10001	10006
295.9	10011	10016	10021	10026	10031	10037	10043	10048	10053	10059
296.0	10064	10070	10075	10080	10086	10091	10098	10103	10109	10114
296.1	10120	10125	10131	10136	10142	10147	10152	10157	10163	10168
296.2	10173	10178	10183	10188	10194	10199	10204	10209	10214	10219
296.3	10224	10229	10234	10239	10244	10249	10254	10259	10263	10268
296.4	10273	10278	10282	10287	10292	10297	10302	10307	10312	10317
296.5	10322	10326	10331	10336	10341	10346	10351	10356	10360	10365
296.6	10370	10375	10380	10385	10389	10394	10399	10404	10409	10413
296.7	10418	10423	10428	10433	10437	10442	10448	10452	10457	10462
296.8	10467	10472	10477	10482	10487	10492	10497	10502	10507	10512
296.9	10517	10522	10527	10533	10538	10543	10549	10554	10560	10565
297.0	10570	10575	10581	10586	10591	10597	10602	10608	10613	10618
297.1	10624	10629	10635	10640	10645	10651	10656	10662	10667	10672
297.2	10678	10683	10688	10693	10698	10704	10709	10714	10719	10724
297.3	10729	10734	10739	10744	10749	10754	10759	10764	10769	10774
297.4	10779	10784	10789	10794	10799	10804	10809	10814	10819	10824
297.5	10829	10834	10839	10843	10848	10853	10858	10863	10868	10873
297.6	10878	10883	10888	10893	10898	10903	10909	10914	10919	10924
297.7	10929	10934	10939	10944	10950	10955	10961	10966	10971	10976
297.8	10981	10987	10992	10997	11002	11008	11013	11018	11023	11029
297.9	11034	11039	11044	11049	11055	11060	11066	11071	11076	11081
298.0	11086	11091	11096	11101	11106	11111	11116	11121	11126	11131
298.1	11136	11141	11146	11151	11156	11161	11166	11172	11177	11182
298.2	11187	11192	11197	11202	11207	11212	11217	11223	11228	11233
298.3	11238	11243	11248	11253	11258	11263	11268	11273	11278	11283
298.4	11288	11293	11299	11304	11309	11314	11320	11325	11330	11335
298.5	11340	11345	11350	11355	11360	11365	11371	11376	11381	11386
298.6	11391	11396	11401	11406	11411	11416	11421	11426	11431	11437
298.7	11442	11447	11452	11457	11462	11468	11473	11478	11483	11488
298.8	11494	11499	11504	11510	11515	11520	11526	11531	11536	11541
298.9	11546	11552	11557	11562	11567	11573	11578	11584	11589	11594
299.0	11600	11605	11610	11616	11621	11626	11632	11637	11643	11649
299.1	11654	11659	11665	11670	11675	11681	11686	11692	11697	11703
299.2	11708	11713	11719	11724	11730	11735	11741	11747	11752	11757
299.3	11763	11768	11773	11778	11784	11789	11794	11799	11804	11809
299.4	11814	11820	11825	11830	11835	11840	11845	11850	11855	11861
299.5	11866	11871	11876	11882	11887	11892	11897	11903	11908	11913
299.6	11918	11924	11929	11934	11940	11945	11950	11956	11961	11966
299.7	11972	11977	11982	11988	11993	11998	12004	12009	12015	12021
299.8	12026	12031	12037	12042	12048	12053	12059	12064	12070	12075

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AREA IN ACRES — ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
299.9	12081	12087	12092	12098	12104	12109	12115	12121	12127	12133
300.0	12139	12145	12151	12156	12162	12168	12174	12180	12186	12192
300.1	12198	12204	12210	12215	12221	12227	12233	12239	12246	12252
300.2	12258	12264	12270	12276	12282	12288	12294	12300	12306	12312
300.3	12318	12324	12330	12336	12342	12349	12355	12361	12367	12373
300.4	12380	12386	12392	12398	12404	12410	12417	12423	12429	12436
300.5	12442	12449	12456	12462	12469	12476	12482	12489	12496	12503
300.6	12509	12516	12523	12529	12536	12543	12549	12556	12565	12572
300.7	12579	12587	12595	12602	12610	12618	12626	12635	12643	12651
300.8	12658	12666	12674	12682	12689	12697	12705	12714	12722	12730
300.9	12737	12745	12753	12761	12768	12776	12784	12791	12799	12807
301.0	12814	12822	12830	12837	12845	12852	12860	12868	12875	12883
301.1	12890	12898	12905	12913	12920	12928	12935	12943	12950	12957
301.2	12964	12971	12978	12985	12992	12999	13006	13013	13020	13027
301.3	13034	13040	13047	13054	13060	13067	13074	13081	13087	13094
301.4	13101	13108	13114	13121	13128	13135	13141	13148	13155	13161
301.5	13168	13175	13181	13188	13195	13201	13208	13215	13222	13229
301.6	13236	13243	13250	13257	13264	13272	13279	13287	13294	13302
301.7	13309	13317	13324	13331	13339	13346	13353	13361	13369	13376
301.8	13384	13391	13398	13406	13413	13421	13428	13436	13444	13452
301.9	13459	13467	13475	13483	13491	13498	13506	13516	13524	13533
302.0	13541	13550	13559	13568	13576	13585	13594	13606	13615	13624
302.1	13633	13642	13651	13660	13669	13678	13688	13702	13711	13721
302.2	13730	13739	13748	13757	13766	13775	13783	13792	13801	13809
302.3	13818	13826	13835	13843	13851	13860	13869	13878	13886	13894
302.4	13901	13909	13917	13924	13932	13939	13946	13954	13961	13968
302.5	13975	13982	13989	13996	14003	14010	14017	14025	14032	14039
302.6	14046	14053	14060	14067	14074	14081	14088	14095	14101	14108
302.7	14114	14121	14127	14134	14140	14147	14153	14161	14168	14174
302.8	14181	14187	14194	14200	14207	14213	14220	14228	14234	14241
302.9	14248	14255	14262	14269	14277	14284	14291	14300	14308	14315
303.0	14323	14331	14338	14346	14354	14361	14369	14377	14385	14393
303.1	14401	14409	14416	14424	14432	14440	14448	14458	14465	14473
303.2	14481	14489	14497	14504	14512	14520	14528	14541	14550	14559
303.3	14567	14576	14585	14593	14602	14610	14619	14630	14638	14647
303.4	14655	14663	14672	14680	14689	14698	14706	14717	14726	14735
303.5	14744	14753	14762	14770	14779	14788	14797	14808	14817	14826
303.6	14835	14843	14852	14861	14870	14879	14887	14897	14906	14915
303.7	14923	14932	14941	14950	14958	14967	14976	14985	14994	15003
303.8	15011	15019	15028	15036	15044	15052	15061	15070	15078	15086
303.9	15095	15103	15111	15120	15128	15136	15145	15154	15163	15172
304.0	15181	15189	15198	15206	15215	15223	15232	15244	15253	15262
304.1	15270	15279	15288	15297	15306	15315	15324	15335	15344	15352
304.2	15361	15369	15378	15387	15396	15405	15414	15423	15432	15442
304.3	15451	15461	15470	15479	15489	15498	15507	15518	15527	15535
304.4	15544	15553	15562	15570	15579	15588	15596	15606	15615	15624
304.5	15633	15642	15651	15660	15669	15678	15687	15697	15705	15714
304.6	15723	15731	15740	15749	15757	15766	15774	15785	15793	15802
304.7	15811	15819	15828	15837	15846	15855	15864	15876	15885	15894
304.8	15903	15912	15921	15930	15939	15948	15957	15967	15975	15984

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AREA IN ACRES — ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
304.9	15993	16002	16011	16019	16027	16037	16046	16056	16065	16074
305.0	16084	16093	16102	16111	16121	16130	16139	16150	16159	16168
305.1	16177	16187	16196	16205	16214	16223	16232	16242	16251	16260
305.2	16269	16278	16286	16295	16304	16312	16321	16330	16338	16347
305.3	16355	16364	16372	16381	16389	16397	16406	16415	16423	16432
305.4	16441	16449	16458	16467	16475	16484	16493	16503	16512	16521
305.5	16529	16538	16547	16556	16565	16574	16582	16592	16601	16610
305.6	16619	16627	16636	16645	16653	16662	16671	16680	16689	16698
305.7	16706	16715	16723	16732	16740	16748	16757	16766	16775	16783
305.8	16792	16801	16810	16818	16827	16836	16845	16854	16863	16872
305.9	16881	16890	16900	16909	16918	16927	16936	16949	16959	16968
306.0	16977	16986	16995	17004	17013	17022	17031	17041	17049	17058
306.1	17066	17074	17083	17091	17099	17107	17116	17125	17133	17141
306.2	17149	17157	17165	17173	17181	17189	17197	17206	17215	17223
306.3	17232	17240	17249	17257	17266	17275	17283	17293	17302	17310
306.4	17319	17327	17336	17345	17353	17362	17370	17379	17388	17397
306.5	17406	17415	17424	17433	17442	17451	17461	17471	17481	17490
306.6	17499	17508	17518	17527	17537	17546	17555	17566	17576	17586
306.7	17596	17606	17615	17625	17635	17644	17654	17665	17675	17685
306.8	17694	17704	17714	17724	17734	17744	17754	17766	17776	17785
306.9	17795	17804	17814	17824	17833	17843	17853	17863	17873	17883
307.0	17893	17902	17912	17921	17931	17941	17950	17961	17971	17980
307.1	17990	18000	18009	18019	18029	18039	18049	18061	18071	18081
307.2	18091	18101	18112	18122	18133	18144	18154	18169	18181	18192
307.3	18203	18214	18225	18236	18248	18259	18270	18282	18293	18304
307.4	18316	18327	18339	18350	18361	18373	18384	18399	18410	18422
307.5	18433	18444	18455	18466	18477	18488	18499	18511	18522	18532
307.6	18543	18553	18564	18574	18584	18594	18604	18614	18624	18634
307.7	18644	18654	18664	18674	18684	18694	18704	18716	18727	18737
307.8	18747	18757	18767	18777	18787	18797	18807	18818	18829	18839
307.9	18849	18859	18869	18879	18889	18899	18909	18920	18931	18941
308.0	18951	18961	18971	18982	18991	19001	19011	19021	19031	19040
308.1	19050	19059	19068	19078	19087	19096	19106	19115	19125	19134
308.2	19144	19153	19163	19172	19182	19192	19201	19211	19221	19230
308.3	19240	19250	19259	19269	19279	19289	19299	19309	19319	19329
308.4	19338	19348	19357	19366	19376	19386	19395	19406	19416	19426
308.5	19436	19445	19455	19465	19475	19486	19496	19506	19516	19526
308.6	19536	19546	19556	19566	19576	19585	19595	19605	19615	19624
308.7	19634	19643	19653	19662	19672	19682	19691	19704	19715	19726
308.8	19736	19746	19756	19766	19776	19786	19796	19807	19816	19826
308.9	19836	19846	19856	19866	19876	19886	19895	19906	19915	19925
309.0	19934	19943	19953	19962	19971	19980	19990	20000	20009	20018
309.1	20028	20037	20046	20056	20065	20074	20083	20093	20102	20111
309.2	20120	20129	20138	20147	20156	20165	20174	20184	20192	20201
309.3	20210	20218	20227	20236	20245	20254	20262	20272	20281	20289
309.4	20298	20307	20316	20325	20334	20343	20352	20362	20371	20379
309.5	20388	20397	20406	20415	20424	20432	20441	20450	20459	20468
309.6	20477	20486	20495	20504	20514	20523	20532	20541	20551	20560
309.7	20569	20578	20587	20596	20605	20615	20624	20634	20644	20653
309.8	20662	20672	20681	20691	20700	20709	20719	20729	20738	20747

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

AREA IN ACRES — ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
309.9	20756	20766	20775	20784	20793	20802	20811	20822	20831	20840
310.0	20850	20859	20869	20878	20887	20897	20907	20920	20930	20940
310.1	20950	20960	20970	20980	20991	21001	21011	21025	21035	21046
310.2	21056	21066	21076	21087	21097	21107	21116	21127	21136	21146
310.3	21156	21165	21175	21185	21194	21204	21213	21223	21232	21241
310.4	21251	21260	21269	21279	21288	21297	21306	21315	21324	21333
310.5	21342	21350	21359	21367	21376	21384	21393	21402	21410	21419
310.6	21427	21436	21444	21452	21461	21469	21477	21486	21494	21502
310.7	21510	21517	21525	21533	21541	21549	21557	21566	21574	21582
310.8	21590	21598	21605	21613	21621	21629	21637	21645	21653	21661
310.9	21669	21676	21684	21692	21700	21708	21716	21724	21732	21741
311.0	21749	21757	21765	21773	21782	21790	21798	21808	21817	21826
311.1	21834	21843	21851	21860	21869	21878	21886	21897	21906	21916
311.2	21925	21935	21944	21954	21963	21972	21982	21994	22004	22013
311.3	22023	22032	22042	22052	22061	22071	22081	22091	22102	22113
311.4	22123	22134	22144	22154	22164	22174	22184	22195	22204	22214
311.5	22223	22232	22240	22249	22258	22267	22276	22285	22294	22303
311.6	22312	22321	22330	22339	22348	22357	22366	22375	22384	22394
311.7	22403	22412	22422	22431	22440	22449	22458	22467	22476	22484
311.8	22493	22502	22511	22520	22528	22538	22547	22556	22566	22575
311.9	22585	22594	22604	22613	22623	22633	22642	22657	22668	22678
312.0	22689	22700	22711	22722	22733	22744	22755	22766	22777	22787
312.1	22797	22807	22817	22827	22837	22847	22857	22867	22877	22886
312.2	22896	22905	22915	22925	22934	22944	22953	22963	22973	22982
312.3	22991	23001	23010	23019	23029	23038	23047	23059	23068	23078
312.4	23087	23097	23106	23116	23126	23135	23145	23155	23164	23174
312.5	23183	23192	23202	23211	23220	23230	23239	23249	23258	23267
312.6	23276	23285	23294	23303	23311	23320	23329	23338	23347	23356
312.7	23365	23374	23383	23391	23400	23409	23418	23428	23437	23446
312.8	23456	23465	23474	23483	23492	23501	23510	23520	23529	23538
312.9	23547	23556	23566	23575	23585	23594	23603	23613	23623	23632
313.0	23642	23651	23661	23670	23680	23689	23699	23709	23720	23729
313.1	23739	23749	23759	23768	23778	23788	23798	23809	23819	23828
313.2	23838	23847	23856	23866	23875	23885	23894	23904	23913	23923
313.3	23933	23942	23952	23961	23970	23980	23989	23999	24008	24017
313.4	24026	24035	24044	24053	24062	24071	24080	24089	24098	24107
313.5	24117	24126	24135	24144	24154	24163	24173	24182	24192	24201
313.6	24211	24221	24230	24240	24249	24259	24269	24279	24288	24298
313.7	24307	24317	24326	24335	24345	24354	24363	24373	24382	24392
313.8	24401	24410	24419	24429	24438	24447	24456	24466	24475	24485
313.9	24494	24503	24513	24522	24532	24541	24550	24560	24569	24579
314.0	24588	24598	24607	24617	24626	24636	24645	24655	24664	24674
314.1	24683	24693	24703	24712	24722	24732	24742	24752	24762	24773
314.2	24783	24794	24805	24816	24827	24839	24850	24863	24874	24886
314.3	24897	24909	24920	24932	24943	24955	24966	24979	24991	25002
314.4	25014	25025	25037	25048	25060	25071	25083	25096	25107	25118
314.5	25130	25141	25152	25163	25175	25186	25197	25208	25219	25229
314.6	25240	25250	25260	25271	25281	25291	25301	25312	25323	25333
314.7	25343	25353	25363	25373	25383	25393	25403	25414	25424	25434
314.8	25444	25454	25464	25474	25483	25493	25503	25514	25523	25533

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

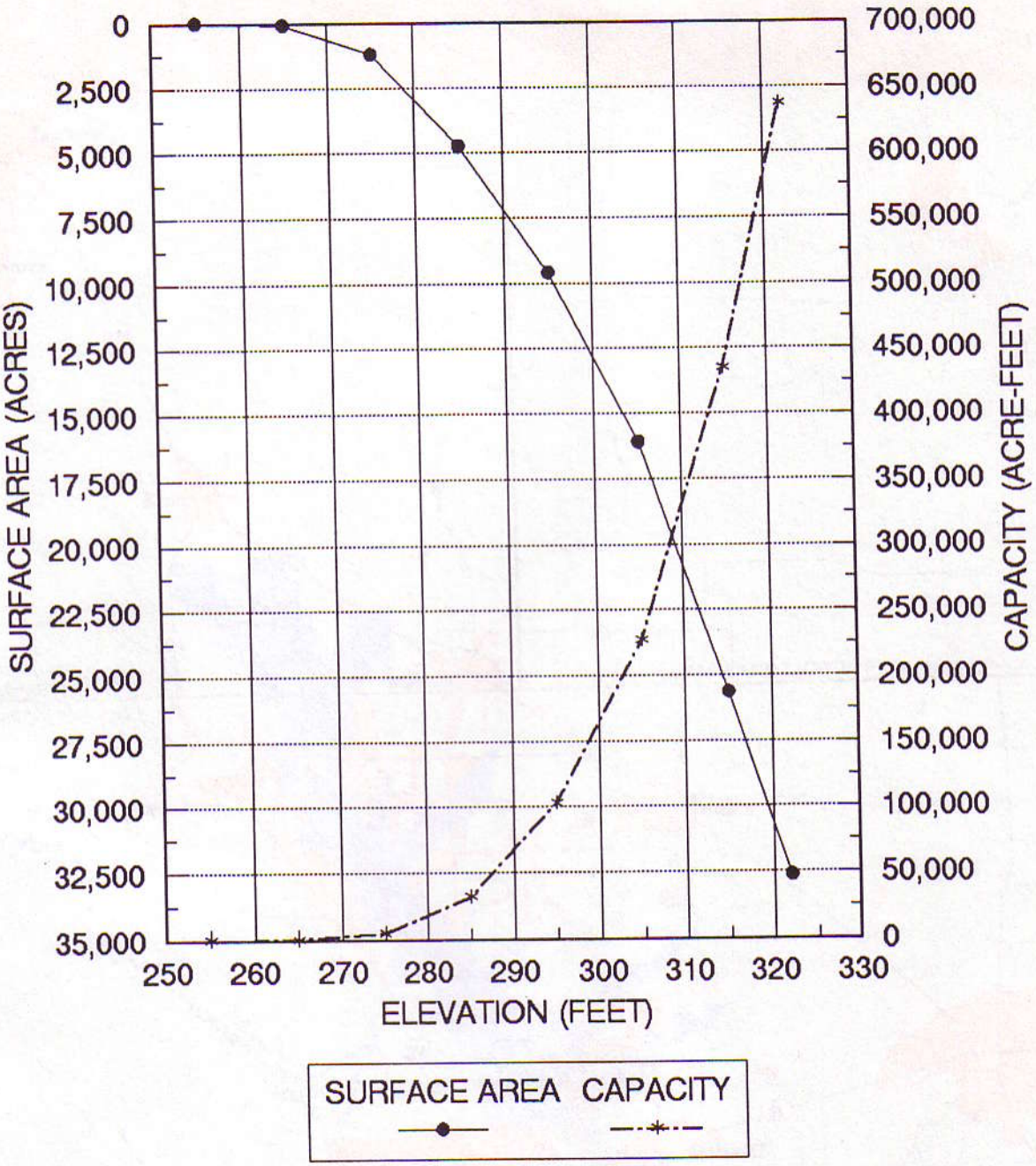
AREA IN ACRES — ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
314.9	25543	25552	25562	25571	25581	25591	25600	25611	25621	25631
315.0	25640	25650	25660	25669	25679	25688	25697	25707	25716	25726
315.1	25735	25744	25753	25763	25772	25782	25791	25801	25811	25820
315.2	25830	25840	25850	25860	25869	25879	25889	25899	25908	25918
315.3	25928	25938	25947	25957	25967	25977	25986	25996	26006	26016
315.4	26026	26036	26046	26056	26067	26077	26087	26098	26109	26119
315.5	26130	26141	26152	26163	26174	26185	26196	26211	26222	26233
315.6	26244	26255	26266	26277	26288	26299	26309	26321	26332	26342
315.7	26353	26363	26374	26384	26394	26405	26415	26426	26437	26447
315.8	26458	26469	26479	26490	26500	26510	26521	26531	26542	26552
315.9	26562	26572	26582	26592	26602	26612	26623	26633	26644	26654
316.0	26664	26675	26685	26695	26705	26715	26725	26735	26746	26756
316.1	26766	26776	26787	26797	26808	26818	26828	26840	26850	26861
316.2	26872	26883	26894	26905	26916	26926	26937	26948	26959	26970
316.3	26981	26993	27004	27014	27025	27036	27047	27058	27069	27079
316.4	27090	27101	27111	27121	27132	27142	27152	27163	27172	27182
316.5	27192	27202	27212	27221	27231	27240	27249	27259	27268	27278
316.6	27287	27297	27306	27315	27324	27333	27342	27352	27361	27370
316.7	27379	27388	27396	27405	27414	27423	27432	27441	27450	27459
316.8	27468	27479	27488	27497	27506	27515	27524	27533	27542	27551
316.9	27560	27570	27579	27589	27598	27608	27617	27627	27636	27646
317.0	27656	27666	27676	27686	27696	27706	27717	27728	27738	27748
317.1	27759	27770	27781	27791	27802	27812	27823	27833	27843	27854
317.2	27864	27874	27884	27894	27904	27913	27923	27933	27943	27953
317.3	27963	27972	27982	27991	28001	28010	28020	28030	28040	28050
317.4	28060	28070	28080	28090	28100	28110	28120	28130	28141	28151
317.5	28161	28172	28182	28192	28202	28213	28223	28233	28244	28254
317.6	28264	28275	28285	28296	28306	28316	28326	28337	28348	28358
317.7	28369	28382	28393	28405	28416	28427	28438	28449	28459	28470
317.8	28480	28492	28501	28511	28521	28531	28540	28550	28560	28569
317.9	28579	28589	28598	28608	28617	28626	28636	28645	28655	28664
318.0	28673	28683	28692	28701	28710	28719	28728	28738	28747	28758
318.1	28767	28776	28785	28794	28803	28811	28820	28829	28837	28846
318.2	28854	28864	28872	28880	28889	28897	28905	28914	28922	28931
318.3	28939	28947	28955	28964	28972	28980	28988	28996	29005	29013
318.4	29021	29029	29037	29045	29053	29061	29069	29077	29085	29093
318.5	29101	29110	29117	29125	29133	29141	29148	29156	29164	29172
318.6	29180	29189	29196	29204	29212	29220	29228	29236	29243	29251
318.7	29259	29269	29277	29285	29292	29300	29308	29316	29323	29332
318.8	29339	29347	29355	29362	29370	29377	29385	29393	29401	29408
318.9	29416	29424	29431	29439	29447	29455	29462	29470	29478	29486
319.0	29494	29502	29510	29518	29526	29534	29542	29550	29558	29570
319.1	29579	29588	29597	29605	29614	29623	29631	29640	29652	29662
319.2	29670	29680	29687	29694	29702	29709	29718	29731	29740	29754
319.3	29763	29769	29774	29779	29785	29790	29796	29801	29807	29812
319.4	29818	29823	29828	29834	29839	29845	29850	29856	29861	29867
319.5	29872	29878	29883	29888	29894	29899	29905	29910	29916	29921
319.6	29927	29932	29938	29943	29949	29954	29960	29965	29971	29976
319.7	29982	29987	29993	29998	30004	30009	30015	30020	30026	30032
319.8	30037	30043	30048	30054	30059	30065	30070	30076	30081	30087

CEDAR CREEK RESERVOIR MARCH 1995 SURVEY

AREA IN ACRES — ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT

ELEV. FEET	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
319.9	30092	30098	30104	30109	30115	30120	30126	30131	30137	30142
320.0	30148	30154	30159	30165	30170	30176	30182	30187	30193	30198
320.1	30204	30209	30215	30221	30226	30232	30237	30243	30249	30254
320.2	30260	30265	30271	30277	30282	30288	30294	30299	30305	30310
320.3	30316	30322	30327	30333	30339	30344	30350	30356	30361	30367
320.4	30372	30378	30384	30389	30395	30401	30406	30412	30418	30423
320.5	30429	30435	30440	30446	30452	30458	30463	30469	30475	30480
320.6	30486	30492	30497	30503	30509	30514	30520	30526	30532	30537
320.7	30543	30549	30554	30560	30566	30572	30577	30583	30589	30595
320.8	30600	30606	30612	30618	30623	30629	30635	30641	30646	30652
320.9	30658	30664	30669	30675	30681	30687	30692	30698	30704	30710
321.0	30715	30721	30727	30733	30739	30744	30750	30756	30762	30768
321.1	30773	30779	30785	30791	30797	30802	30808	30814	30820	30826
321.2	30831	30837	30843	30849	30855	30861	30866	30872	30878	30884
321.3	30890	30896	30901	30907	30913	30919	30925	30931	30937	30942
321.4	30948	30954	30960	30966	30972	30978	30983	30989	30995	31001
321.5	31007	31013	31019	31025	31031	31036	31042	31048	31054	31060
321.6	31066	31072	31078	31084	31090	31095	31101	31107	31113	31119
321.7	31125	31131	31137	31143	31149	31155	31161	31167	31173	31178
321.8	31184	31190	31196	31202	31208	31214	31220	31226	31232	31238
321.9	31244	31250	31256	31262	31268	31274	31280	31286	31292	31298
322.0	32623									



CEDAR CREEK RESERVOIR

MARCH 1995 SURVEY

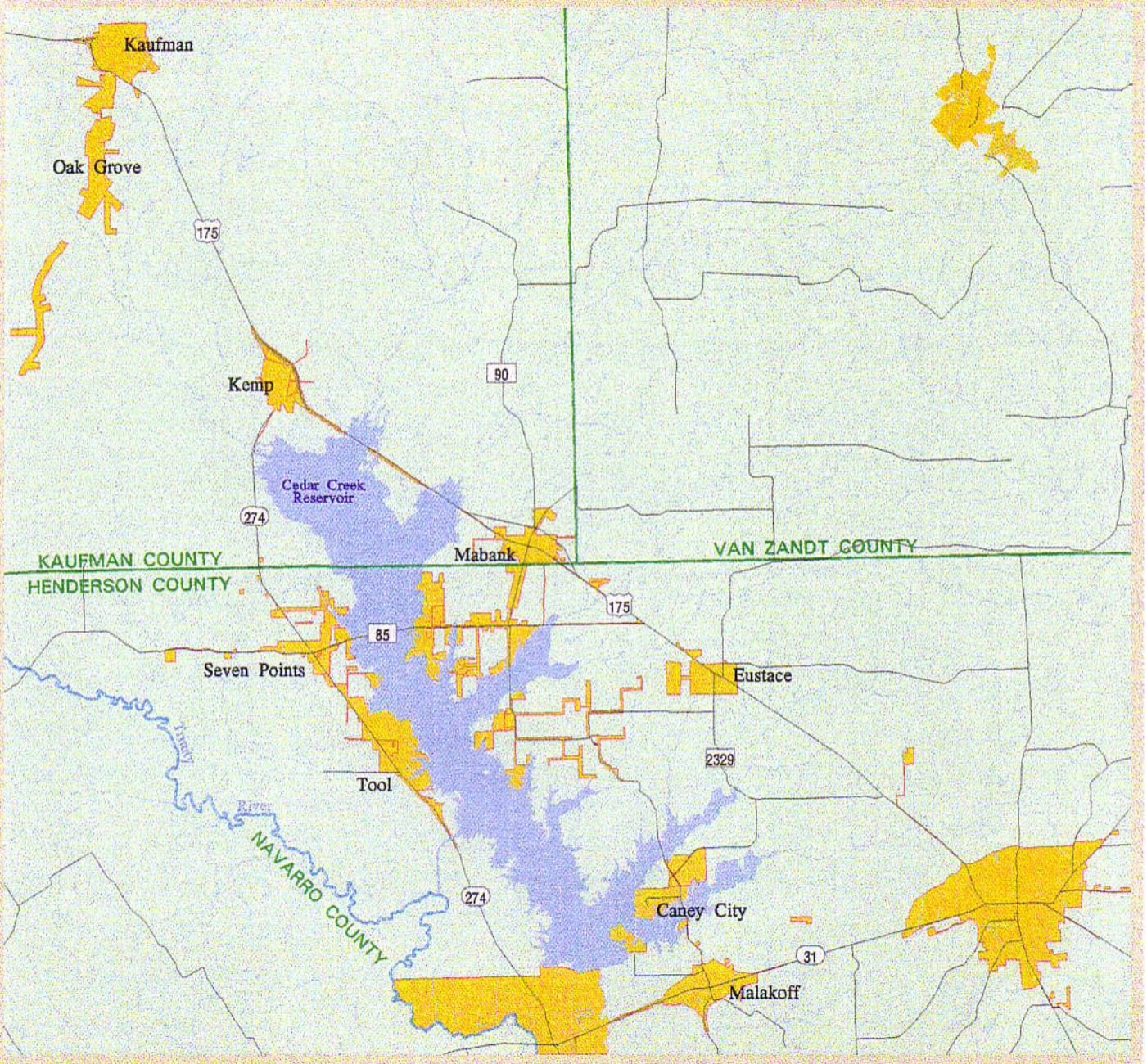
Prepared by: TWDB June 1995

FIGURE 1

CEDAR CREEK RESERVOIR

Location Map

1" = 25000'

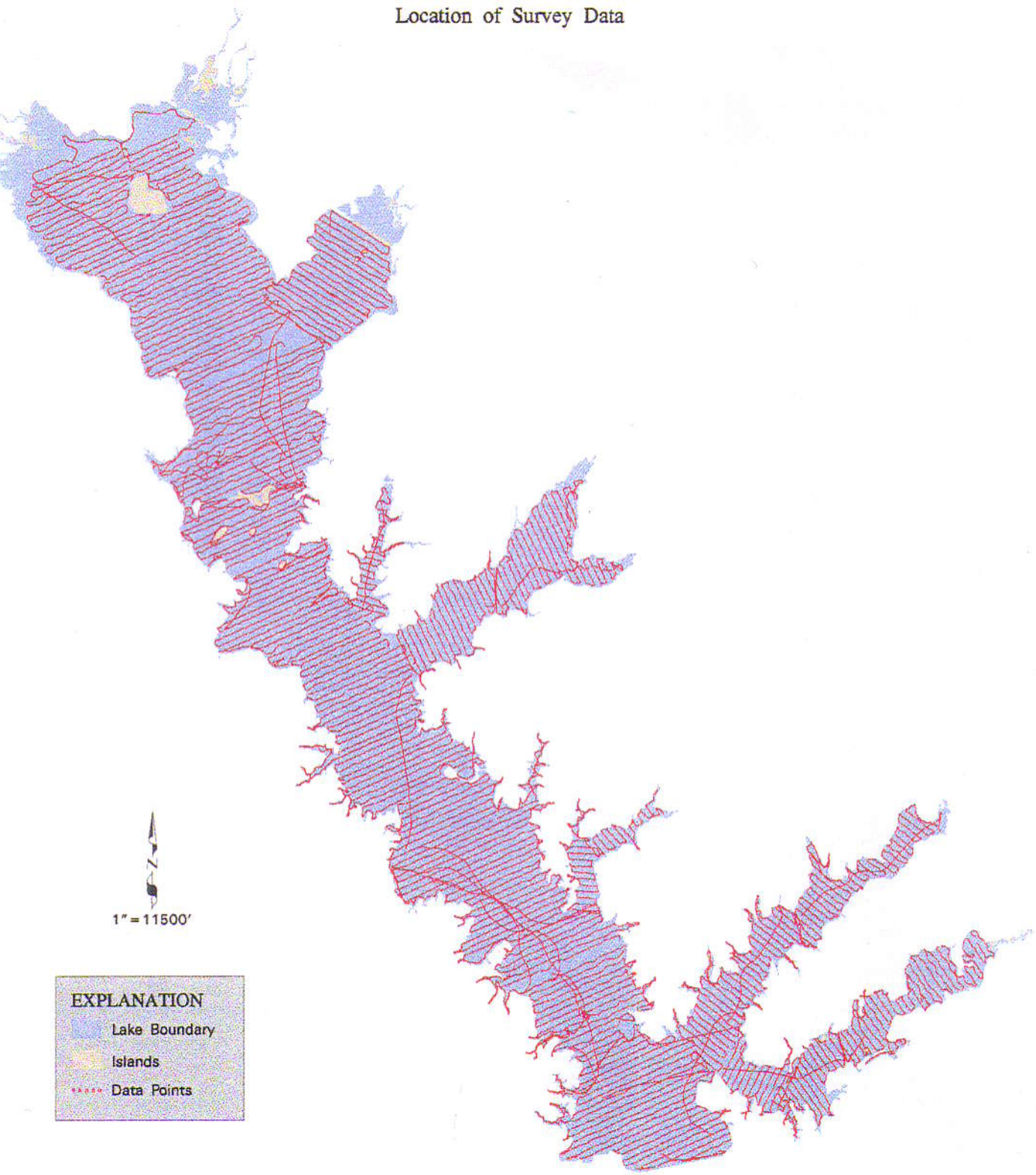


PREPARED BY: TWDB JUNE 1995

FIGURE 2

CEDAR CREEK RESERVOIR

Location of Survey Data



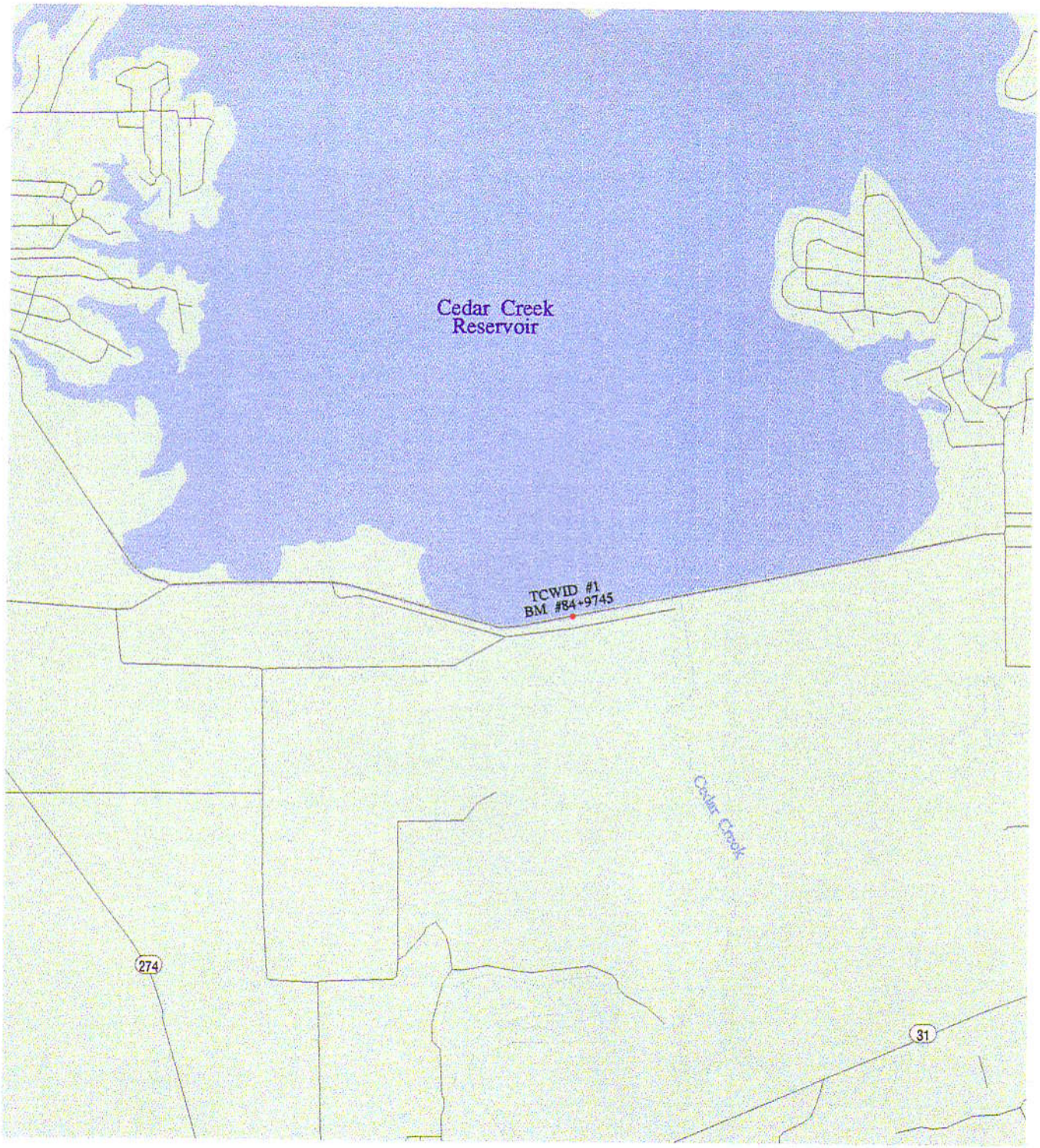
PREPARED BY: TWDB JUNE 1995

FIGURE 3

CEDAR CREEK RESERVOIR

Location of Survey Control Point #84+9745

1" = 2500'

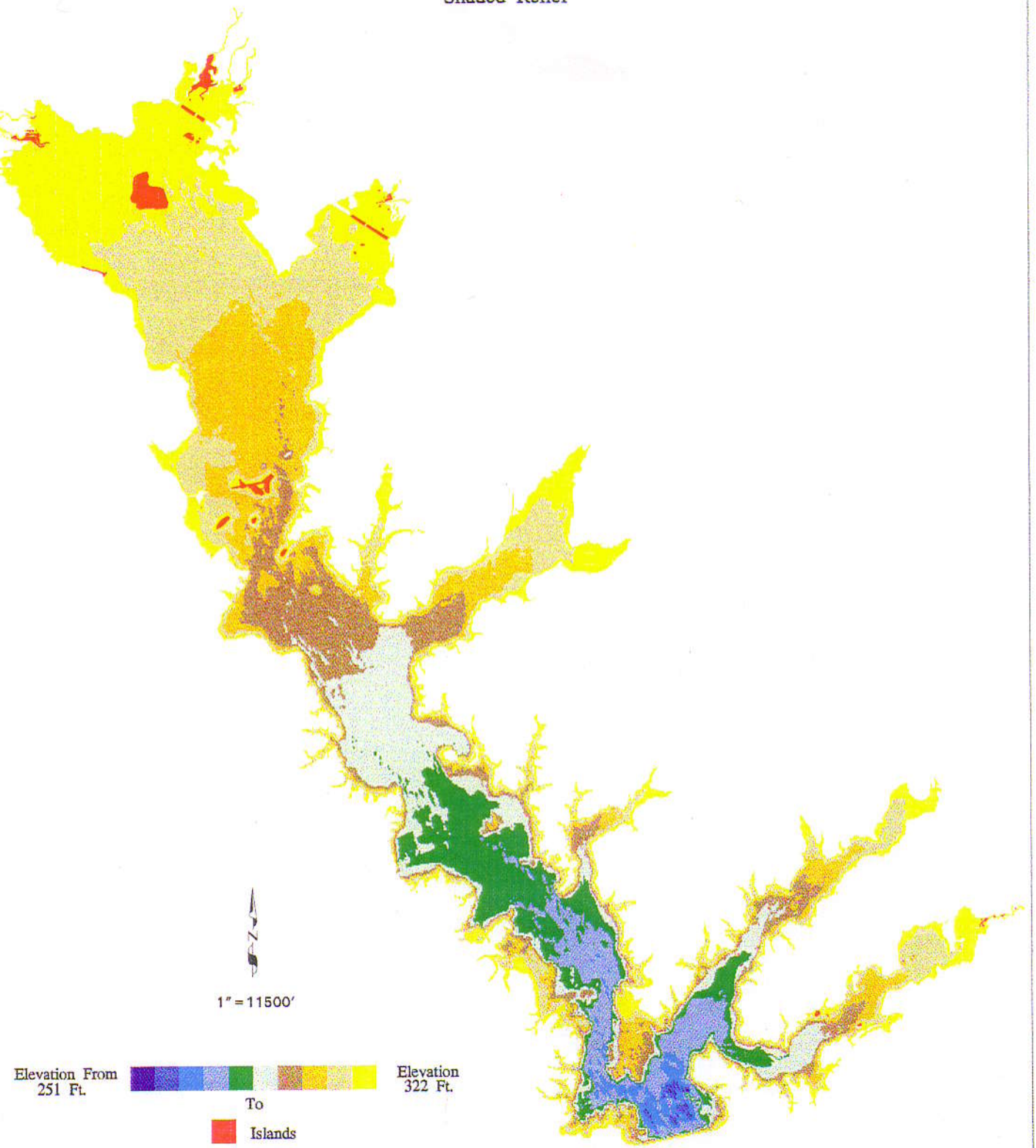


PREPARED BY: TWDB JUNE 1995

FIGURE 4

CEDAR CREEK RESERVOIR

Shaded Relief

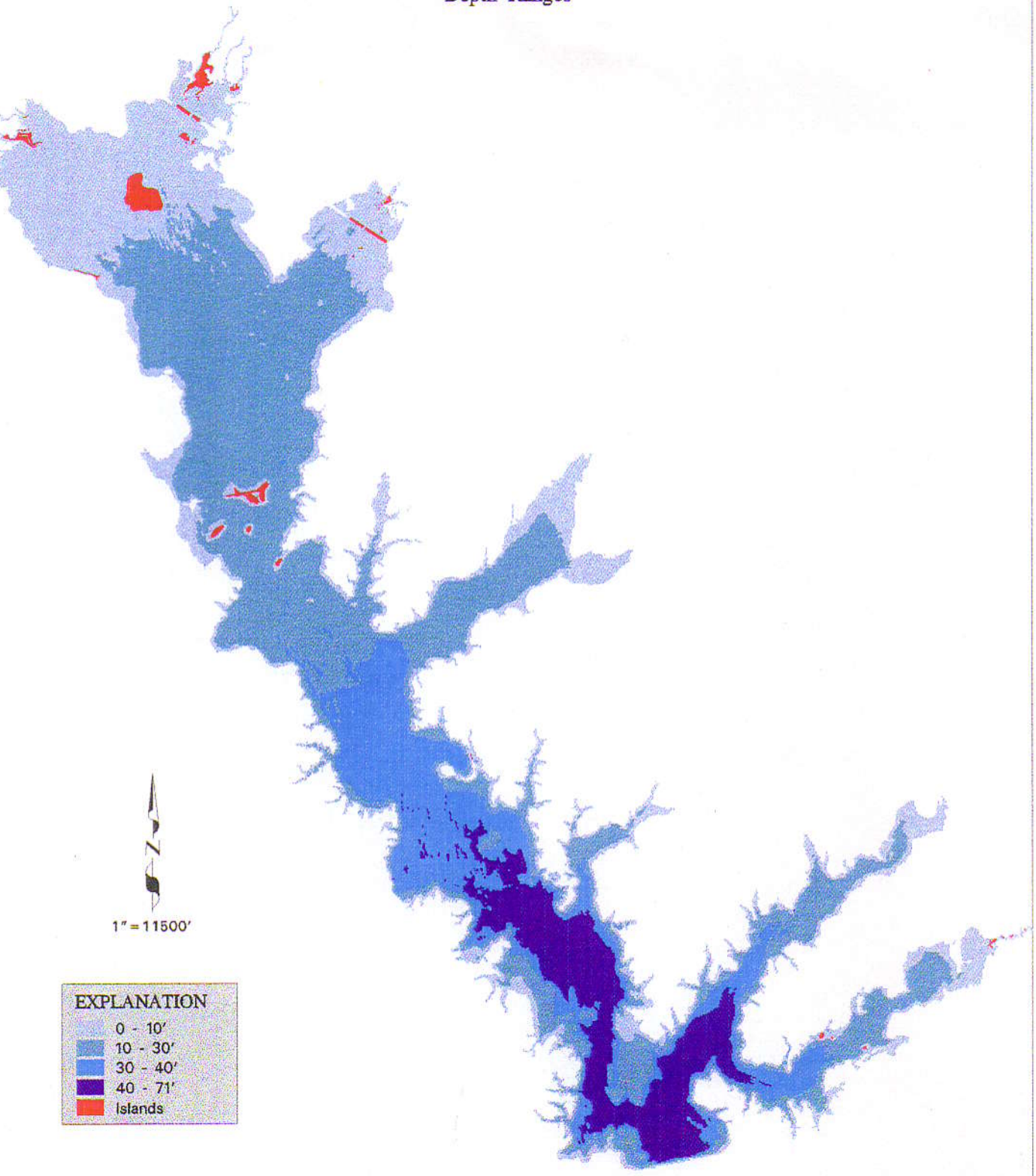


PREPARED BY: TWDB JUNE 1995

FIGURE 5

CEDAR CREEK RESERVOIR

Depth Ranges

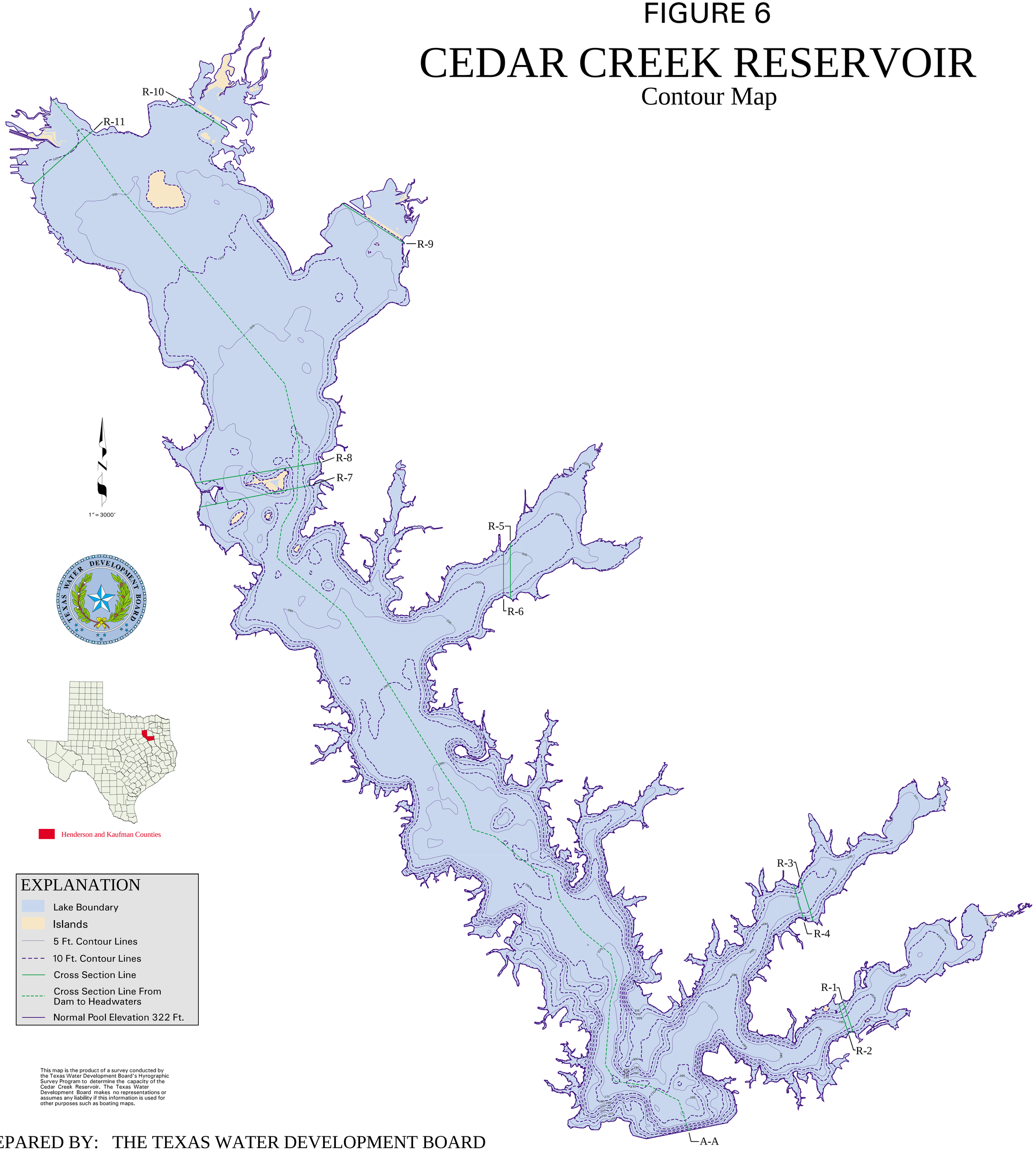


PREPARED BY: TWDB JUNE 1995

FIGURE 6

CEDAR CREEK RESERVOIR

Contour Map



Henderson and Kaufman Counties

EXPLANATION

- Lake Boundary
- Islands
- 5 Ft. Contour Lines
- 10 Ft. Contour Lines
- Cross Section Line
- Cross Section Line From Dam to Headwaters
- Normal Pool Elevation 322 Ft.

This map is the product of a survey conducted by the Texas Water Development Board's Hyrographic Survey Program to determine the capacity of the Cedar Creek Reservoir. The Texas Water Development Board makes no representations or assumes any liability if this information is used for other purposes such as boating maps.

PREPARED BY: THE TEXAS WATER DEVELOPMENT BOARD

JUNE 1995