

# **VOLUMETRIC SURVEY OF RICHLAND-CHAMBERS RESERVOIR**

**Prepared for:**

**TARRANT COUNTY WATER CONTROL AND IMPROVEMENT  
DISTRICT NUMBER ONE**



**Prepared by:**

**The Texas Water Development Board**

March 10, 2003

# Texas Water Development Board

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## TABLE OF CONTENTS

<b>INTRODUCTION.....</b>	<b>1</b>
<b>HISTORY AND GENERAL INFORMATION OF THE RESERVOIR.....</b>	<b>1</b>
<b>HYDROGRAPHIC SURVEYING TECHNOLOGY.....</b>	<b>2</b>
<b>GPS Information.....</b>	<b>2</b>
<b>Equipment .....</b>	<b>4</b>
<b>Previous Survey Procedures.....</b>	<b>5</b>
<b>PRE-SURVEY PROCEDURES .....</b>	<b>6</b>
<b>SURVEY CONTROL SETUP.....</b>	<b>6</b>
<b>SURVEY PROCEDURES.....</b>	<b>8</b>
<b>Equipment Calibration and Operation .....</b>	<b>8</b>
<b>Field Survey .....</b>	<b>9</b>
<b>Data Processing .....</b>	<b>10</b>
<b>RESULTS.....</b>	<b>12</b>
<b>SUMMARY.....</b>	<b>13</b>

## APPENDICES

- APPENDIX A - DEPTH SOUNDER ACCURACY**
- APPENDIX B - RESERVOIR VOLUME TABLE**
- APPENDIX C - RESERVOIR AREA TABLE**
- APPENDIX D - AREA-ELEVATION-CAPACITY GRAPH**

## LIST OF FIGURES

- FIGURE 1 - LOCATION MAP**
- FIGURE 2 - LOCATION OF SURVEY DATA**
- FIGURE 3 - LOCATION OF CONTROL POINT, TCWCID #-6+00**
- FIGURE 4 - SHADED RELIEF**
- FIGURE 5 - DEPTH CONTOURS**
- FIGURE 6 - 2-D CONTOUR MAP**

# **RICHLAND-CHAMBERS RESERVOIR HYDROGRAPHIC SURVEY REPORT**

## **INTRODUCTION**

Staff of the Hydrographic Survey Unit of the Texas Water Development Board (TWDB) conducted a hydrographic survey on Richland-Chambers Reservoir from October thru December, 1994. 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 315.0 feet, they reported a surface area of 44,752 acres and a capacity of 1,181,886 acre-feet.

## **HISTORY AND GENERAL INFORMATION OF THE RESERVOIR**

Richland-Chambers Reservoir is located on Richland and Chambers Creeks in Freestone and Navarro Counties, approximately 20 miles southeast of Corsicana, Texas. The dam is owned, maintained and operated by Tarrant County Water Control and Improvement District Number One (TCWCID No. 1). The majority of water rights were allocated to the TCWCID No. 1. under Water Rights Certificate of Adjudication No. 5035 issued May 5, 1987. The certificate allowed TCWCID No. 1 to maintain a dam and impound a reservoir known as Richland Creek Reservoir with a capacity of 1,135,000 acre-feet. TCWCID No. 1 was allowed to divert and use not to exceed 210,000 acre-feet of water per annum for municipal purposes.

An amendment to Certificate of Adjudication No. 3035 was granted July 28, 1993. It corrected the name of the reservoir to Richland-Chambers Reservoir, allocated 2,500 acre-feet of the 210,000 acre-feet of water per annum (for municipal purposes) to be used for irrigation purposes and 2,500 acre-feet of water per annum of the 210,000 acre-feet of water (for municipal purposes) to be used for industrial purposes. Water Rights were also issued to the City of Corsicana on May 5, 1987 in Certificate of Adjudication No. 5030. The certificate allowed the City of Corsicana to divert and use from Richland-Chambers Reservoir not to exceed 13,650 acre-feet of water per annum for municipal purposes.

Dam construction commenced in October, 1982. Deliberate impoundment of water began July 14, 1987 and the facility was completed in November, 1987. The project was designed by Freese and Nichols Inc., Consulting Engineers and the general contractor was H. B. Zachry Construction Company. The dam structure is an earthen embankment with a soil cement upstream face. The dam is approximately six and one-half miles long and rises 120 feet above the natural streambed.

The service spillway and outlet works are located at station 133 of the dam, approximately one mile north of the original Richland Creek. The service spillway consists of a concrete crest approximately 960 ft. long at elevation 290.0, controlled by 24- forty foot wide radial gates. With all 24 gates fully opened, the spillway has a discharge capacity of 446,000 cfs when the reservoir pool elevation is at 315.0. In the service spillway are four low flow conduits, two 3 X 5 foot sliding gates at invert elevation 266.0, and a 1 X 1 and a 1.5 X 2.5 foot sliding gate at elevation 285.0.

The reservoir has approximately 330 miles of shoreline, a maximum width of 3.5 miles and maximum length of 26 miles. The drainage area of Richland-Chambers Reservoir is approximately 1,957 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  $\pm$  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 six USGS quad sheets. The names of the quad sheets are as follows: Goodlow Park, TX, 1960 (Photo-inspected 1978); Powell, TX, 1959; Richland, TX, 1963 (Photo-revised 1978); Roustabout Camp, TX, 1960 (Photo-revised 1982); Streetman, TX, 1960 (Photo-revised 1982) and Winkler, TX, 1960 (Photo-revised 1982).

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 460 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 Richland-Chambers Reservoir was to establish a horizontal reference control point near the reservoir. An existing Tarrant County benchmark on the dam labeled TCWCID #-6+00 was deemed suitable. Figure 3 shows the location of this benchmark. Two additional temporary control points were established during the survey do 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 PILOT 2 established in 1935 and located in Freestone County. The coordinates for the monument are published as Latitude 31° 44' 49.08840"N and Longitude 96° 02' 48.22996"W.

On September 12, 1994 a static survey was performed to determine the WGS' 84 coordinates for the Tarrant Co. benchmark using two Trimble 4000SE GPS receivers. The GPS receivers were setup on tripods over the first-order monument, PILOT 2, and the existing Tarrant Co. 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 Tarrant County's benchmark were determined to be North latitude 31° 56' 20.43450", West longitude 96° 06' 32.75276", with an ellipsoid height of 74.8303 meters. The approximate NGVD '29 elevation was 330.7 feet.

Using the newly determined coordinates, the shore station was setup at the Tarrant Co. benchmark to provide 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 Richland-

**Chambers 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  $0^{\circ}$ , to acquire information on the rising satellites. A horizontal mask of  $10^{\circ}$  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 Richland-Chambers 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 Richland-Chambers Reservoir, the speed of sound in the water column varied daily between 4815 and 4878 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

Data was collected on Richland-Chambers Reservoir during the period of October 11 thru December 1, 1994. Approximately 298,102 data points were collected over the 649 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 537 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 than 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 312.70 feet to 315.04 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 41,356 acres for Richland-Chambers 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 Richland-Chambers 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 Richland-Chambers Reservoir during the period October 11 thru December 1, 1994. During the survey, staff noticed the terrain along



the perimeter of the reservoir was of gentle relief with many coves and contributing streams. Patches of standing or submerged trees were common throughout the reservoir itself. The estimate area represented by the submerged trees was reported to be near 5,000 surface acres. The water was generally clear and free of aquatic vegetation. Downstream on the confluence of Richland and Chambers Creeks, the depth-sounder chart depicted the reservoir's bottom as very irregular with what appeared to be many channels, borrow pits, stock tanks and tailing mounds. Old submerged road and highway locations seemed to be easily discerned by elevation rises at the roadbed's locations. In the upper reaches of both arms of the reservoir, sediment deposits seemed to be common.

Results from the survey indicate Richland-Chambers Reservoir now encompasses approximately 41,356 surface acres and contains a volume of 1,136,600 acre-feet at the normal pool elevation of 315.0 feet. The lowest elevation encountered during the field survey was 229.0 feet, or 86.0 feet of depth and was found near the dam.

The storage volume calculated by this survey is approximately 4 percent less than the previous record information for the reservoir. The lowest gated outlet invert elevation is at elevation 266.0 feet. The dead storage volume at this elevation corresponds to 32,784 acre-feet. Therefore, the conservation storage capacity for the reservoir is calculated to be 1,103,816 acre-feet. This corresponds to a 3.1 percent decrease in the conservation storage capacity of the reservoir.

## **SUMMARY**

When Richland-Chambers Reservoir was completed in 1985, it was estimated to contain 1,181,885 acre-feet of water at the normal pool elevation of 315.0 ft.

In late 1994, a hydrographic survey of Richland-Chambers Reservoir was performed by the Texas Water Development Board's Hydrographic Survey Program. The 1994 survey used technological advances such as differential global positioning system and geographical

information system technology to build a model of the reservoir's bathymetry. These advances allowed a survey to be performed quickly and to collect significantly more data of the bathymetry of Richland-Chamber Reservoir. Results from the survey indicate that the lake's capacity at the normal pool elevation of 315.0 feet was 1,136,600 acre-feet. The conservation storage capacity was calculated at 1,103,816 acre-feet. The estimated reduction in conservation storage capacity, if compared to the 1985 design information, was 34,834 acre-feet, or 3.1 percent. This equates to an estimated loss of 3,870.44 acre-feet per year during the 9 years the reservoir has existed. 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.

## **APPENDIX A - DEPTH SOUNDER ACCURACY**

## 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

$$\begin{aligned} t_{30} &= (30-1.2)/4832 \\ &= 0.00596 \text{ sec.} \end{aligned}$$

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

$$\begin{aligned} t_{45} &= (45-1.2)/4808 \\ &= 0.00911 \text{ sec.} \end{aligned}$$

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

$$\begin{aligned} D_{20} &= [((20-1.2)/4832)(4808)]+1.2 \\ &= 19.9' \quad (-0.1') \end{aligned}$$

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

$$\begin{aligned} D_{30} &= [((30-1.2)/4832)(4808)]+1.2 \\ &= 29.9' \quad (-0.1') \end{aligned}$$

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

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

$$= 50.1' \quad (+0.1')$$

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

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

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

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

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

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

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

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

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

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





RESERVOIR VOLUME TABLE

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
238.9	19	19	19	19	19	19	19	19	19	20
239.0	20	20	20	20	20	20	20	20	20	20
239.1	20	20	20	20	20	20	20	20	20	21
239.2	21	21	21	21	21	21	21	21	21	21
239.3	21	21	21	21	21	21	21	21	22	22
239.4	22	22	22	22	22	22	22	22	22	22
239.5	22	22	22	22	22	22	22	23	23	23
239.6	23	23	23	23	23	23	23	23	23	23
239.7	23	23	23	23	23	24	24	24	24	24
239.8	24	24	24	24	24	24	24	24	24	24
239.9	24	24	25	25	25	25	25	25	25	25
240.0	25	25	25	25	25	25	25	25	26	26
240.1	26	26	26	26	26	26	26	26	26	26
240.2	26	26	26	26	27	27	27	27	27	27
240.3	27	27	27	27	27	27	27	27	27	27
240.4	28	28	28	28	28	28	28	28	28	28
240.5	28	28	28	28	28	29	29	29	29	29
240.6	29	29	29	29	29	29	29	29	29	30
240.7	30	30	30	30	30	30	30	30	30	30
240.8	30	30	30	31	31	31	31	31	31	31
240.9	31	31	31	31	31	31	32	32	32	32
241.0	32	32	32	32	32	32	32	32	32	33
241.1	33	33	33	33	33	33	33	33	33	33
241.2	33	34	34	34	34	34	34	34	34	34
241.3	34	34	34	35	35	35	35	35	35	35
241.4	35	35	35	35	35	36	36	36	36	36
241.5	36	36	36	36	36	36	37	37	37	37
241.6	37	37	37	37	37	37	37	38	38	38
241.7	38	38	38	38	38	38	38	39	39	39
241.8	39	39	39	39	39	39	39	40	40	40
241.9	40	40	40	40	40	40	40	41	41	41
242.0	41	41	41	41	41	41	41	42	42	42
242.1	42	42	42	42	42	42	43	43	43	43
242.2	43	43	43	43	43	44	44	44	44	44
242.3	44	44	44	44	45	45	45	45	45	45
242.4	45	45	45	46	46	46	46	46	46	46
242.5	46	47	47	47	47	47	47	47	47	48
242.6	48	48	48	48	48	48	48	49	49	49
242.7	49	49	49	49	49	50	50	50	50	50
242.8	50	50	51	51	51	51	51	51	51	52
242.9	52	52	52	52	52	52	53	53	53	53
243.0	53	53	53	54	54	54	54	54	54	54
243.1	55	55	55	55	55	55	55	56	56	56
243.2	56	56	56	57	57	57	57	57	57	57
243.3	58	58	58	58	58	58	59	59	59	59
243.4	59	59	60	60	60	60	60	60	61	61
243.5	61	61	61	61	62	62	62	62	62	63
243.6	63	63	63	63	63	64	64	64	64	64
243.7	65	65	65	65	65	65	66	66	66	66
243.8	66	67	67	67	67	67	68	68	68	68

## RESERVOIR VOLUME TABLE

page 4

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
243.9	68	69	69	69	69	69	70	70	70	70
244.0	70	71	71	71	71	71	72	72	72	72
244.1	72	73	73	73	73	73	74	74	74	74
244.2	75	75	75	75	75	76	76	76	76	77
244.3	77	77	77	77	78	78	78	78	79	79
244.4	79	79	80	80	80	80	80	81	81	81
244.5	81	82	82	82	82	83	83	83	83	84
244.6	84	84	84	85	85	85	85	86	86	86
244.7	86	87	87	87	87	88	88	88	88	89
244.8	89	89	90	90	90	90	91	91	91	91
244.9	92	92	92	93	93	93	93	94	94	94
245.0	94	95	95	95	96	96	96	96	97	97
245.1	97	98	98	98	99	99	99	99	100	100
245.2	100	101	101	101	102	102	102	102	103	103
245.3	103	104	104	104	105	105	105	106	106	106
245.4	107	107	107	107	108	108	108	109	109	109
245.5	110	110	110	111	111	111	112	112	112	113
245.6	113	113	114	114	115	115	115	116	116	116
245.7	117	117	117	118	118	118	119	119	120	120
245.8	120	121	121	121	122	122	123	123	123	124
245.9	124	124	125	125	126	126	126	127	127	128
246.0	128	128	129	129	130	130	131	131	131	132
246.1	132	133	133	134	134	135	135	135	136	136
246.2	137	137	138	138	139	139	140	140	141	141
246.3	141	142	142	143	143	144	144	145	145	146
246.4	146	147	147	148	148	149	149	150	150	151
246.5	151	152	152	153	154	154	155	155	156	156
246.6	157	157	158	158	159	159	160	161	161	162
246.7	162	163	163	164	164	165	166	166	167	167
246.8	168	169	169	170	170	171	171	172	173	173
246.9	174	175	175	176	176	177	178	178	179	180
247.0	180	181	182	182	183	184	184	185	186	186
247.1	187	188	188	189	190	190	191	192	192	193
247.2	194	195	195	196	197	197	198	199	200	200
247.3	201	202	203	203	204	205	206	206	207	208
247.4	209	209	210	211	212	213	213	214	215	216
247.5	217	217	218	219	220	221	221	222	223	224
247.6	225	226	226	227	228	229	230	231	232	232
247.7	233	234	235	236	237	238	239	240	240	241
247.8	242	243	244	245	246	247	248	249	250	251
247.9	252	253	253	254	255	256	257	258	259	260
248.0	261	262	263	264	265	266	267	268	269	270
248.1	271	272	273	274	276	277	278	279	280	281
248.2	282	283	284	285	286	287	288	289	291	292
248.3	293	294	295	296	297	298	299	301	302	303
248.4	304	305	306	307	309	310	311	312	313	314
248.5	316	317	318	319	320	322	323	324	325	326
248.6	328	329	330	331	332	334	335	336	337	339
248.7	340	341	342	344	345	346	348	349	350	351
248.8	353	354	355	357	358	359	360	362	363	364



## RESERVOIR VOLUME TABLE

page 5

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
248.9	366	367	368	370	371	372	374	<u>375</u>	377	378
249.0	379	381	382	383	385	386	388	<u>389</u>	390	392
249.1	393	395	396	397	399	400	402	403	405	406
249.2	408	409	410	412	413	<u>415</u>	416	418	419	421
249.3	422	424	425	427	428	<u>430</u>	431	433	434	436
249.4	437	439	440	442	444	445	447	448	450	451
249.5	453	454	456	458	459	461	462	464	466	<u>467</u>
249.6	469	470	<u>472</u>	474	475	477	478	480	482	483
249.7	485	487	488	490	492	493	495	497	498	500
249.8	502	503	505	507	509	510	512	514	515	517
249.9	519	521	522	524	526	528	529	531	533	535
250.0	<u>536</u>	538	540	542	543	545	547	549	551	552
250.1	554	556	558	560	561	563	565	567	569	571
250.2	572	574	576	578	580	582	584	585	587	589
250.3	591	593	595	597	599	601	603	604	606	608
250.4	610	612	614	616	618	620	622	624	626	628
250.5	630	632	<u>634</u>	636	638	640	642	644	646	648
250.6	650	652	654	656	658	660	662	664	<u>666</u>	<u>668</u>
250.7	670	672	674	676	678	681	683	685	687	<u>689</u>
250.8	691	693	695	697	699	702	704	706	708	710
250.9	712	714	716	719	721	723	725	727	729	732
251.0	734	736	738	740	743	745	747	749	751	754
251.1	756	758	760	762	765	767	769	771	774	776
251.2	778	780	783	785	787	790	792	794	796	799
251.3	801	803	806	808	810	813	815	817	820	822
251.4	824	827	829	831	834	836	838	841	843	845
251.5	848	850	853	855	857	860	862	865	867	870
251.6	872	874	877	879	882	884	887	889	892	894
251.7	897	899	902	904	906	909	911	914	917	919
251.8	922	924	927	929	932	934	937	939	942	944
251.9	947	950	952	955	957	960	963	965	968	970
252.0	973	976	978	981	984	986	989	992	994	997
252.1	1000	1002	1005	1008	1010	1013	1016	1018	1021	1024
252.2	1027	1029	1032	1035	1038	1040	1043	1046	1049	1051
252.3	1054	1057	1060	1062	1065	1068	1071	1074	1077	1079
252.4	1082	1085	1088	1091	1094	1096	1099	1102	1105	1108
252.5	1111	1114	1117	1119	1122	1125	1128	1131	1134	1137
252.6	1140	1143	1146	1149	1152	1155	1158	1161	1164	1167
252.7	1170	1173	1176	1179	1182	1185	1188	1191	1194	1197
252.8	1200	1203	1206	1209	1212	1215	1218	1221	<u>1225</u>	1228
252.9	1231	1234	1237	1240	1243	1246	1250	1253	1256	1259
253.0	1262	1265	1269	1272	1275	1278	1281	1285	1288	1291
253.1	1294	1298	1301	1304	1307	1311	1314	1317	1320	1324
253.2	1327	1330	1334	1337	1340	1344	1347	1350	1354	1357
253.3	1360	1364	1367	1371	1374	1377	1381	1384	1388	1391
253.4	1394	1398	1401	1405	1408	1412	<u>1415</u>	1419	1422	1426
253.5	1429	1433	1436	1440	1443	1447	<u>1451</u>	1454	1458	1461
253.6	1465	1468	1472	1476	1479	1483	1487	1490	1494	1498
253.7	1501	1505	1509	1512	1516	1520	1524	1527	1531	1535
253.8	1538	1542	1546	1550	1554	1557	1561	1565	1569	1573

RESERVOIR VOLUME TABLE

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
253.9	1577	1580	1584	1588	1592	1596	1600	1604	1608	1611
254.0	1615	1619	1623	1627	1631	1635	1639	1643	1647	1651
254.1	1655	1659	1663	1667	1671	1675	1679	1683	1687	1692
254.2	1696	1700	1704	1708	1712	1716	1720	1725	1729	1733
254.3	1737	1741	1746	1750	1754	1758	1762	1767	1771	1775
254.4	1779	1784	1788	1792	1797	1801	1805	1810	1814	1818
254.5	1823	1827	1832	1836	1840	1845	1849	1853	1858	1862
254.6	1867	1871	1876	1880	1885	1889	1894	1898	1903	1907
254.7	1912	1916	1921	1926	1930	1935	1940	1944	1949	1953
254.8	1958	1963	1967	1972	1977	1981	1986	1991	1996	2000
254.9	2005	2010	2015	2019	2024	2029	2034	2039	2044	2048
255.0	2053	2058	2063	2068	2073	2078	2083	2087	2092	2097
255.1	2102	2107	2112	2117	2122	2127	2132	2137	2142	2147
255.2	2152	2157	2163	2168	2173	2178	2183	2188	2193	2198
255.3	2204	2209	2214	2219	2225	2230	2235	2240	2246	2251
255.4	2256	2262	2267	2272	2278	2283	2289	2294	2300	2305
255.5	2311	2316	2322	2327	2333	2338	2344	2350	2355	2361
255.6	2367	2373	2378	2384	2390	2396	2402	2408	2413	2419
255.7	2425	2431	2437	2443	2450	2456	2462	2468	2474	2480
255.7	2425	2431	2437	2443	2450	2456	2462	2468	2474	2480
255.8	2544	2551	2557	2564	2570	2577	2584	2591	2597	2604
255.9	2611	2618	2625	2632	2638	2646	2653	2660	2667	2674
256.0	2681	2688	2695	2702	2717	2724	2732	2739	2747	2754
256.2	2762	2769	2777	2784	2792	2799	2807	2815	2823	2831
256.3	2838	2846	2854	2862	2870	2878	2886	2895	2903	2911
256.4	2919	2927	2936	2944	2952	2961	2969	2978	2986	2995
256.5	3003	3012	3020	3029	3038	3046	3055	3064	3073	3082
256.6	3091	3100	3109	3118	3127	3136	3145	3154	3163	3172
256.7	3182	3191	3200	3210	3219	3229	3238	3248	3257	3267
256.8	3277	3286	3296	3306	3315	3325	3335	3345	3355	3365
256.9	3375	3385	3395	3405	3415	3425	3436	3446	3456	3467
257.0	3477	3487	3498	3508	3519	3529	3540	3550	3561	3572
257.1	3583	3593	3604	3615	3626	3637	3648	3659	3670	3681
257.2	3693	3704	3715	3726	3738	3749	3760	3772	3783	3795
257.3	3806	3818	3829	3841	3853	3865	3876	3888	3900	3912
257.4	3924	3936	3948	3960	3972	3984	3996	4008	4020	4032
257.5	4044	4057	4069	4082	4094	4106	4119	4131	4144	4156
257.6	4169	4182	4194	4207	4220	4233	4246	4258	4271	4284
257.7	4297	4310	4324	4337	4350	4363	4376	4390	4403	4416
257.8	4430	4443	4457	4470	4484	4498	4511	4525	4539	4553
257.9	4567	4581	4595	4608	4623	4637	4651	4665	4679	4693
258.0	4708	4722	4736	4751	4765	4780	4794	4809	4824	4838
258.1	4853	4868	4883	4897	4912	4927	4942	4957	4972	4988
258.2	5003	5018	5033	5049	5064	5079	5095	5110	5126	5141
258.3	5157	5173	5188	5204	5220	5236	5252	5268	5284	5300
258.4	5316	5332	5348	5364	5381	5397	5413	5430	5446	5463
258.5	5479	5496	5512	5529	5546	5563	5579	5596	5613	5630
258.6	5647	5664	5681	5698	5716	5733	5750	5768	5785	5802
258.7	5820	5838	5855	5873	5891	5908	5926	5944	5962	5980
258.8	5998	6016	6034	6053	6071	6089	6107	6126	6144	6163

## RESERVOIR VOLUME TABLE

page 7

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
258.9	6181	6200	6219	6237	6256	6275	6294	6313	6332	6351
259.0	6370	6389	6408	6428	6447	6466	6486	6505	6525	6544
259.1	6564	6583	6603	6623	6643	6663	6682	6702	6722	6743
259.2	6763	6783	6803	6823	6844	6864	6884	6905	6925	6946
259.3	6966	6987	7008	7029	7049	7070	7091	7112	7133	7154
259.4	7175	7196	7217	7239	7260	7281	7302	7324	7345	7367
259.5	7388	7410	7432	7453	7475	7497	7519	7541	7563	7585
259.6	7607	7629	7651	7674	7696	7718	7741	7763	7786	7808
259.7	7831	7853	7876	7899	7922	7945	7968	7990	8014	8037
259.8	8060	8083	8106	8129	8153	8176	8199	8223	8246	8270
259.9	8293	8317	8341	8365	8388	8412	8436	8460	8484	8508
260.0	8532	8556	8580	8604	8628	8653	8677	8701	8726	8750
260.1	8775	8799	8824	8848	8873	8898	8923	8947	8972	8997
260.2	9022	9047	9072	9097	9122	9148	9173	9198	9223	9249
260.3	9274	9300	9325	9351	9376	9402	9428	9454	9479	9505
260.4	9531	9557	9583	9609	9636	9662	9688	9714	9741	9767
260.5	9794	9820	9847	9874	9901	9927	9954	9981	10008	10035
260.6	10062	10090	10117	10144	10172	10199	10227	10254	10282	10310
260.7	10338	10365	10393	10421	10449	10478	10506	10534	10562	10591
260.8	10619	10648	10676	10705	10734	10762	10791	10820	10849	10878
260.9	10907	10936	10965	10994	11024	11053	11083	11112	11142	11171
261.0	11201	11230	11260	11290	11320	11350	11380	11410	11440	11470
261.1	11500	11530	11561	11591	11622	11652	11682	11713	11744	11774
261.2	11805	11836	11867	11898	11928	11959	11991	12022	12053	12084
261.3	12115	12146	12178	12209	12240	12272	12303	12335	12367	12398
261.4	12430	12462	12494	12526	12558	12590	12622	12654	12686	12718
261.5	12750	12783	12815	12847	12880	12912	12945	12977	13010	13042
261.6	13075	13108	13141	13173	13206	13239	13272	13305	13338	13371
261.7	13405	13438	13471	13504	13538	13571	13604	13638	13671	13705
261.8	13739	13772	13806	13840	13873	13907	13941	13975	14009	14043
261.9	14077	14111	14145	14179	14214	14248	14282	14317	14351	14385
262.0	14420	14455	14489	14524	14559	14593	14628	14663	14698	14733
262.1	14768	14803	14838	14873	14908	14943	14979	15014	15049	15085
262.2	15120	15156	15191	15227	15263	15298	15334	15370	15406	15442
262.3	15478	15514	15550	15586	15622	15658	15694	15731	15767	15803
262.4	15840	15876	15913	15949	15986	16022	16059	16096	16133	16169
262.5	16206	16243	16280	16317	16354	16391	16428	16465	16503	16540
262.6	16577	16614	16652	16689	16727	16764	16802	16840	16877	16915
262.7	16953	16990	17028	17066	17104	17142	17180	17218	17256	17295
262.8	17333	17371	17410	17448	17487	17525	17564	17602	17641	17680
262.9	17719	17757	17796	17835	17874	17913	17953	17992	18031	18070
263.0	18110	18149	18188	18228	18268	18307	18347	18387	18426	18466
263.1	18506	18546	18586	18626	18666	18706	18747	18787	18827	18868
263.2	18908	18948	18989	19030	19070	19111	19152	19192	19233	19274
263.3	19315	19356	19397	19438	19480	19521	19562	19603	19645	19686
263.4	19728	19769	19811	19853	19895	19936	19978	20020	20062	20104
263.5	20146	20189	20231	20273	20315	20358	20400	20443	20485	20528
263.6	20571	20613	20656	20699	20742	20785	20828	20871	20914	20958
263.7	21001	21044	21087	21131	21174	21218	21262	21305	21349	21393
263.8	21437	21481	21525	21569	21613	21657	21701	21745	21790	21834

## RESERVOIR VOLUME TABLE

page 8

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
263.9	21879	21923	21968	22013	22057	22102	22147	22192	22237	22282
264.0	22327	22372	22418	22463	22508	22554	22599	22645	22691	22737
264.1	22782	22828	22874	22920	22966	23013	23059	23105	23152	23198
264.2	23245	23291	23338	23385	23432	23479	23526	23573	23620	23667
264.3	23715	23762	23809	23857	23905	23952	24000	24048	24096	24144
264.4	24191	24240	24288	24336	24384	24433	24481	24529	24578	24627
264.5	24675	24724	24773	24822	24871	24920	24969	25018	25067	25117
264.6	25166	25216	25265	25315	25365	25415	25465	25515	25565	25615
264.7	25665	25716	25766	25817	25867	25918	25969	26019	26070	26121
264.8	26172	26223	26275	26326	26377	26429	26480	26532	26583	26635
264.9	26687	26739	26791	26843	26895	26947	26999	27051	27103	27156
265.0	27208	27261	27313	27366	27418	27471	27524	27577	27630	27683
265.1	27736	27789	27842	27895	27949	28002	28056	28109	28163	28217
265.2	28270	28324	28378	28432	28486	28540	28595	28649	28703	28758
265.3	28812	28867	28922	28976	29031	29086	29141	29196	29251	29307
265.4	29362	29417	29472	29528	29583	29639	29694	29750	29806	29862
265.5	29918	29974	30030	30086	30142	30198	30254	30311	30367	30423
265.6	30480	30536	30593	30650	30706	30763	30820	30877	30934	30991
265.7	31048	31105	31162	31219	31276	31334	31391	31448	31506	31564
265.8	31621	31679	31736	31794	31852	31910	31968	32026	32084	32142
265.9	32200	32258	32317	32375	32433	32492	32550	32608	32667	32726
266.0	32784	32843	32902	32961	33020	33079	33138	33197	33256	33315
266.1	33374	33433	33493	33552	33612	33671	33731	33790	33850	33910
266.2	33970	34029	34089	34149	34209	34269	34329	34389	34450	34510
266.3	34570	34630	34691	34751	34812	34873	34933	34994	35055	35115
266.4	35176	35237	35298	35359	35420	35481	35542	35604	35665	35726
266.5	35788	35849	35911	35973	36034	36096	36158	36220	36282	36344
266.6	36406	36468	36530	36592	36655	36717	36779	36842	36904	36967
266.7	37030	37092	37155	37218	37281	37343	37407	37469	37533	37596
266.8	37659	37722	37786	37849	37912	37976	38039	38103	38167	38230
266.9	38294	38358	38422	38486	38550	38614	38678	38742	38806	38871
267.0	38935	38999	39064	39128	39193	39257	39322	39387	39452	39517
267.1	39581	39646	39711	39777	39842	39907	39972	40037	40103	40168
267.2	40234	40299	40365	40431	40496	40562	40628	40694	40760	40826
267.3	40892	40958	41024	41090	41157	41223	41289	41356	41422	41489
267.4	41556	41622	41689	41756	41823	41890	41956	42024	42091	42158
267.5	42225	42292	42359	42427	42494	42562	42629	42697	42765	42832
267.6	42900	42968	43036	43104	43172	43240	43308	43376	43444	43513
267.7	43581	43650	43718	43787	43855	43924	43993	44062	44131	44200
267.8	44269	44338	44407	44476	44546	44615	44684	44754	44823	44893
267.9	44963	45032	45102	45172	45242	45312	45382	45452	45522	45592
268.0	45663	45733	45804	45874	45945	46015	46086	46157	46227	46298
268.1	46369	46440	46511	46583	46654	46725	46796	46868	46939	47010
268.2	47082	47154	47225	47297	47369	47441	47513	47584	47657	47729
268.3	47801	47873	47945	48018	48090	48163	48235	48308	48381	48454
268.4	48526	48599	48673	48746	48819	48892	48965	49039	49112	49186
268.5	49260	49334	49407	49481	49555	49629	49704	49778	49852	49927
268.6	50001	50076	50151	50225	50300	50375	50450	50525	50600	50676
268.7	50751	50826	50902	50977	51052	51128	51204	51279	51355	51431
268.8	51507	51583	51659	51735	51811	51888	51964	52040	52117	52194

## RESERVOIR VOLUME TABLE

page 9

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
268.9	52270	52347	52424	52500	52577	52654	52731	52808	52885	52962
269.0	53040	53117	53194	53272	53349	53426	53504	53582	53659	53737
269.1	53815	53893	53971	54049	54127	54205	54283	54361	54439	54518
269.2	54596	54674	54753	54831	54910	54988	55067	55146	55225	55303
269.3	55382	55461	55540	55619	55698	55778	55857	55936	56015	56095
269.4	56174	56254	56333	56413	56492	56572	56652	56732	56812	56891
269.5	56971	57051	57131	57212	57292	57372	57452	57533	57613	57694
269.6	57774	57855	57935	58016	58097	58178	58259	58340	58421	58502
269.7	58583	58664	58746	58827	58908	58990	59072	59153	59235	59317
269.8	59398	59480	59562	59644	59726	59808	59890	59972	60055	60137
269.9	60219	60302	60384	60467	60550	60632	60715	60798	60880	60963
270.0	61046	61129	61212	61295	61378	61461	61544	61628	61711	61794
270.1	61878	61961	62045	62128	62212	62296	62379	62463	62547	62631
270.2	62715	62799	62883	62967	63051	63136	63220	63304	63389	63473
270.3	63558	63643	63727	63812	63897	63982	64066	64151	64236	64321
270.4	64406	64492	64577	64662	64747	64833	64918	65004	65089	65175
270.5	65260	65346	65432	65518	65603	65689	65775	65861	65947	66033
270.6	66119	66205	66292	66378	66465	66551	66637	66724	66810	66897
270.7	66984	67070	67157	67244	67331	67418	67505	67592	67679	67766
270.8	67853	67940	68027	68115	68202	68289	68377	68464	68552	68640
270.9	68727	68815	68903	68990	69078	69166	69254	69342	69430	69518
271.0	69606	69695	69783	69871	69959	70048	70136	70225	70313	70402
271.1	70491	70579	70668	70757	70846	70935	71024	71113	71202	71291
271.2	71380	71470	71559	71648	71738	71827	71917	72007	72096	72186
271.3	72276	72366	72456	72546	72636	72726	72816	72906	72997	73087
271.4	73177	73268	73359	73449	73540	73631	73721	73812	73903	73994
271.5	74085	74176	74267	74358	74450	74541	74632	74724	74815	74907
271.6	74999	75090	75182	75274	75366	75457	75549	75641	75733	75825
271.7	75918	76009	76102	76194	76286	76379	76471	76564	76656	76749
271.8	76841	76934	77027	77119	77212	77305	77398	77491	77584	77677
271.9	77770	77863	77957	78050	78143	78236	78330	78423	78517	78610
272.0	78704	78798	78891	78985	79079	79173	79267	79361	79454	79549
272.1	79643	79737	79831	79925	80020	80114	80209	80303	80397	80492
272.2	80587	80681	80776	80871	80966	81061	81156	81250	81346	81441
272.3	81536	81631	81726	81822	81917	82013	82108	82204	82299	82395
272.4	82491	82586	82682	82778	82874	82970	83066	83162	83258	83354
272.5	83451	83547	83643	83740	83837	83933	84030	84126	84223	84320
272.6	84417	84513	84610	84708	84805	84902	84999	85096	85193	85291
272.7	85388	85485	85583	85681	85778	85876	85973	86071	86169	86267
272.8	86365	86463	86561	86659	86757	86855	86953	87051	87150	87248
272.9	87346	87445	87543	87642	87740	87839	87938	88036	88135	88234
273.0	88333	88432	88531	88630	88729	88828	88927	89026	89125	89225
273.1	89324	89423	89523	89622	89722	89821	89921	90021	90120	90220
273.2	90320	90420	90520	90620	90720	90820	90920	91020	91120	91220
273.3	91321	91421	91521	91622	91722	91823	91923	92024	92125	92225
273.4	92326	92427	92528	92629	92730	92831	92931	93033	93134	93235
273.5	93336	93438	93539	93640	93742	93843	93944	94046	94148	94249
273.6	94351	94453	94555	94656	94758	94860	94962	95064	95166	95269
273.7	95371	95473	95575	95678	95780	95882	95985	96087	96190	96293
273.8	96395	96498	96601	96704	96807	96910	97012	97116	97219	97322

## RESERVOIR VOLUME TABLE

page 10

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
273.9	97425	97528	97632	97735	97838	97942	98045	98149	98253	98356
274.0	98460	98564	98667	98771	98875	98979	99083	99187	99291	99396
274.1	99500	99604	99709	99813	99918	100020	100130	100230	100340	100440
274.2	100550	100650	100760	100860	100970	101070	101180	101280	101390	101490
274.3	101600	101700	101810	101910	102020	102130	102230	102340	102440	102550
274.4	102650	102760	102870	102970	103080	103190	103290	103400	103500	103610
274.5	103720	103820	103930	104040	104140	104250	104360	104470	104570	104680
274.6	104790	104890	105000	105110	105220	105320	105430	105540	105650	105760
274.7	105860	105970	106080	106190	106300	106400	106510	106620	106730	106840
274.8	106940	107050	107160	107270	107380	107490	107600	107710	107810	107920
274.9	108030	108140	108250	108360	108470	108580	108690	108800	108910	109020
275.0	109130	109240	109350	109460	109570	109680	109790	109900	110010	110120
275.1	110230	110340	110450	110560	110670	110780	110890	111000	111110	111220
275.2	111330	111440	111550	111660	111780	111890	112000	112110	112220	112330
275.3	112440	112550	112670	112780	112890	113000	113110	113230	113340	113450
275.4	113560	113670	113790	113900	114010	114120	114240	114350	114460	114570
275.5	114690	114800	114910	115030	115140	115250	115370	115480	115590	115710
275.6	115820	115930	116050	116160	116270	116390	116500	116620	116730	116840
275.7	116960	117070	117190	117300	117420	117530	117650	117760	117880	117990
275.8	118100	118220	118340	118450	118570	118680	118800	118910	119030	119140
275.9	119260	119370	119490	119610	119720	119840	119950	120070	120190	120300
276.0	120420	120540	120650	120770	120890	121000	121120	121240	121350	121470
276.1	121590	121710	121820	121940	122060	122180	122290	122410	122530	122650
276.2	122760	122880	123000	123120	123240	123350	123470	123590	123710	123830
276.3	123950	124070	124180	124300	124420	124540	124660	124780	124900	125020
276.4	125140	125260	125380	125490	125610	125730	125850	125970	126090	126210
276.5	126330	126450	126570	126690	126810	126930	127050	127170	127300	127420
276.6	127540	127660	127780	127900	128020	128140	128260	128380	128500	128630
276.7	128750	128870	128990	129110	129230	129360	129480	129600	129720	129840
276.8	129960	130090	130210	130330	130450	130580	130700	130820	130940	131070
276.9	131190	131310	131440	131560	131680	131810	131930	132050	132170	132300
277.0	132420	132550	132670	132790	132920	133040	133160	133290	133410	133540
277.1	133660	133790	133910	134030	134160	134280	134410	134530	134660	134780
277.2	134910	135030	135160	135280	135410	135530	135660	135780	135910	136030
277.3	136160	136290	136410	136540	136660	136790	136910	137040	137170	137290
277.4	137420	137540	137670	137800	137920	138050	138180	138300	138430	138560
277.5	138680	138810	138940	139060	139190	139320	139440	139570	139700	139820
277.6	139950	140080	140210	140330	140460	140590	140720	140840	140970	141100
277.7	141230	141350	141480	141610	141740	141860	141990	142120	142250	142380
277.8	142500	142630	142760	142890	143020	143140	143270	143400	143530	143660
277.9	143790	143920	144040	144170	144300	144430	144560	144690	144820	144950
278.0	145070	145200	145330	145460	145590	145720	145850	145980	146110	146240
278.1	146370	146500	146630	146750	146880	147010	147140	147270	147400	147530
278.2	147660	147790	147920	148050	148180	148310	148440	148570	148700	148830
278.3	148960	149090	149220	149350	149480	149620	149750	149880	150010	150140
278.4	150270	150400	150530	150660	150790	150920	151050	151180	151320	151450
278.5	151580	151710	151840	151970	152100	152230	152360	152500	152630	152760
278.6	152890	153020	153150	153290	153420	153550	153680	153810	153940	154080
278.7	154210	154340	154470	154600	154740	154870	155000	155130	155270	155400
278.8	155530	155660	155800	155930	156060	156190	156330	156460	156590	156720

## RESERVOIR VOLUME TABLE

page 11

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
278.9	156860	156990	157120	157260	157390	157520	157650	157790	157920	158050
279.0	158190	158320	158450	158590	158720	158850	158990	159120	159260	159390
279.1	159520	159660	159790	159930	160060	160190	160330	160460	160600	160730
279.2	160860	161000	161130	161270	161400	161540	161670	161810	161940	162080
279.3	162210	162350	162480	162620	162750	162890	163020	163160	163290	163430
279.4	163560	163700	163840	163970	164110	164240	164380	164510	164650	164790
279.5	164920	165060	165190	165330	165470	165600	165740	165880	166010	166150
279.6	166290	166420	166560	166700	166840	166970	167110	167250	167380	167520
279.7	167660	167800	167930	168070	168210	168350	168490	168620	168760	168900
279.8	169040	169180	169310	169450	169590	169730	169870	170010	170150	170280
279.9	170420	170560	170700	170840	170980	171120	171260	171400	171540	171680
280.0	171820	171960	172090	172230	172370	172510	172650	172790	172930	173070
280.1	173220	173360	173500	173640	173780	173920	174060	174200	174340	174480
280.2	174620	174760	174900	175050	175190	175330	175470	175610	175750	175890
280.3	176040	176180	176320	176460	176600	176750	176890	177030	177170	177320
280.4	177460	177600	177740	177890	178030	178170	178320	178460	178600	178740
280.5	178890	179030	179170	179320	179460	179610	179750	179890	180040	180180
280.6	180330	180470	180610	180760	180900	181050	181190	181340	181480	181620
280.7	181770	181910	182060	182200	182350	182490	182640	182780	182930	183080
280.8	183220	183370	183510	183660	183800	183950	184090	184240	184390	184530
280.9	184680	184830	184970	185120	185260	185410	185560	185700	185850	186000
281.0	186140	186290	186440	186580	186730	186880	187030	187170	187320	187470
281.1	187610	187760	187910	188060	188210	188350	188500	188650	188800	188940
281.2	189090	189240	189390	189540	189690	189830	189980	190130	190280	190430
281.3	190580	190730	190880	191020	191170	191320	191470	191620	191770	191920
281.4	192070	192220	192370	192520	192670	192820	192970	193120	193270	193420
281.5	193570	193720	193870	194020	194170	194320	194470	194630	194780	194930
281.6	195080	195230	195380	195530	195680	195840	195990	196140	196290	196440
281.7	196590	196750	196900	197050	197200	197350	197510	197660	197810	197960
281.8	198120	198270	198420	198570	198730	198880	199030	199190	199340	199490
281.9	199650	199800	199950	200110	200260	200410	200570	200720	200880	201030
282.0	201180	201340	201490	201650	201800	201960	202110	202260	202420	202570
282.1	202730	202880	203040	203190	203350	203500	203660	203820	203970	204130
282.2	204280	204440	204590	204750	204900	205060	205220	205370	205530	205690
282.3	205840	206000	206150	206310	206470	206630	206780	206940	207100	207250
282.4	207410	207570	207720	207880	208040	208200	208350	208510	208670	208830
282.5	208990	209140	209300	209460	209620	209780	209930	210090	210250	210410
282.6	210570	210730	210890	211050	211200	211360	211520	211680	211840	212000
282.7	212160	212320	212480	212640	212800	212960	213120	213280	213440	213600
282.8	213760	213920	214080	214240	214400	214560	214720	214880	215040	215200
282.9	215360	215520	215680	215840	216010	216170	216330	216490	216650	216810
283.0	216970	217140	217300	217460	217620	217780	217950	218110	218270	218430
283.1	218590	218760	218920	219080	219240	219410	219570	219730	219890	220060
283.2	220220	220380	220550	220710	220870	221040	221200	221360	221530	221690
283.3	221850	222020	222180	222340	222510	222670	222840	223000	223170	223330
283.4	223490	223660	223820	223990	224150	224320	224480	224650	224810	224970
283.5	225140	225310	225470	225640	225800	225970	226130	226300	226460	226630
283.6	226790	226960	227120	227290	227460	227620	227790	227950	228120	228290
283.7	228450	228620	228790	228950	229120	229290	229450	229620	229790	229950
283.8	230120	230290	230450	230620	230790	230960	231120	231290	231460	231630

## RESERVOIR VOLUME TABLE

page 12

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
283.9	231790	231960	232130	232300	232470	232630	232800	232970	233140	233310
284.0	233470	233640	233810	233980	234150	234320	234490	234650	234820	234990
284.1	235160	235330	235500	235670	235840	236010	236180	236350	236520	236680
284.2	236850	237020	237190	237360	237530	237700	237870	238040	238210	238380
284.3	238550	238720	238890	239060	239240	239410	239580	239750	239920	240090
284.4	240260	240430	240600	240770	240940	241120	241290	241460	241630	241800
284.5	241970	242140	242320	242490	242660	242830	243000	243180	243350	243520
284.6	243690	243860	244040	244210	244380	244550	244730	244900	245070	245250
284.7	245420	245590	245760	245940	246110	246280	246460	246630	246800	246980
284.8	247150	247330	247500	247670	247850	248020	248190	248370	248540	248720
284.9	248890	249070	249240	249410	249590	249760	249940	250110	250290	250460
285.0	250640	250810	250990	251160	251340	251510	251690	251860	252040	252210
285.1	252390	252570	252740	252920	253090	253270	253440	253620	253800	253970
285.2	254150	254330	254500	254680	254850	255030	255210	255380	255560	255740
285.3	255910	256090	256270	256440	256620	256800	256980	257150	257330	257510
285.4	257690	257860	258040	258220	258400	258570	258750	258930	259110	259280
285.5	259460	259640	259820	260000	260180	260350	260530	260710	260890	261070
285.6	261250	261430	261600	261780	261960	262140	262320	262500	262680	262860
285.7	263040	263220	263400	263580	263760	263930	264110	264290	264470	264650
285.8	264830	265010	265190	265370	265550	265740	265920	266100	266280	266460
285.9	266640	266820	267000	267180	267360	267540	267720	267910	268090	268270
286.0	268450	268630	268810	268990	269180	269360	269540	269720	269900	270090
286.1	270270	270450	270630	270820	271000	271180	271360	271550	271730	271910
286.2	272100	272280	272460	272650	272830	273010	273200	273380	273560	273750
286.3	273930	274120	274300	274480	274670	274850	275040	275220	275400	275590
286.4	275770	275960	276140	276330	276510	276700	276880	277070	277250	277440
286.5	277620	277810	278000	278180	278370	278550	278740	278920	279110	279300
286.6	279480	279670	279850	280040	280230	280410	280600	280790	280970	281160
286.7	281350	281530	281720	281910	282090	282280	282470	282660	282840	283030
286.8	283220	283410	283590	283780	283970	284160	284350	284530	284720	284910
286.9	285100	285290	285480	285660	285850	286040	286230	286420	286610	286800
287.0	286990	287170	287360	287550	287740	287930	288120	288310	288500	288690
287.1	288880	289070	289260	289450	289640	289830	290020	290210	290400	290590
287.2	290780	290970	291160	291350	291540	291730	291920	292110	292300	292500
287.3	292690	292880	293070	293260	293450	293640	293830	294020	294220	294410
287.4	294600	294790	294980	295170	295370	295560	295750	295940	296140	296330
287.5	296520	296710	296900	297100	297290	297480	297670	297870	298060	298250
287.6	298450	298640	298830	299030	299220	299410	299610	299800	299990	300190
287.7	300380	300570	300770	300960	301150	301350	301540	301740	301930	302130
287.8	302320	302510	302710	302900	303100	303290	303490	303680	303880	304070
287.9	304270	304460	304660	304850	305050	305250	305440	305640	305830	306030
288.0	306220	306420	306620	306810	307010	307200	307400	307600	307790	307990
288.1	308190	308380	308580	308780	308970	309170	309370	309560	309760	309960
288.2	310150	310350	310550	310750	310940	311140	311340	311540	311730	311930
288.3	312130	312330	312530	312720	312920	313120	313320	313520	313710	313910
288.4	314110	314310	314510	314710	314910	315110	315300	315500	315700	315900
288.5	316100	316300	316500	316700	316900	317100	317300	317500	317700	317900
288.6	318100	318300	318500	318700	318900	319100	319300	319500	319700	319900
288.7	320100	320300	320500	320700	320900	321100	321300	321500	321710	321910
288.8	322110	322310	322510	322710	322910	323120	323320	323520	323720	323920



## Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
288.9	324120	324330	324530	324730	324930	325140	325340	325540	325740	325950
289.0	326150	326350	326550	326760	326960	327160	327370	327570	327770	327980
289.1	328180	328380	328590	328790	329000	329200	329400	329610	329810	330020
289.2	330220	330420	330630	330830	331040	331240	331450	331650	331860	332060
289.3	332270	332470	332680	332880	333090	333290	333500	333700	333910	334110
289.4	334320	334530	334730	334940	335140	335350	335560	335760	335970	336170
289.5	336380	336590	336790	337000	337210	337410	337620	337830	338040	338240
289.6	338450	338660	338860	339070	339280	339490	339690	339900	340110	340320
289.7	340520	340730	340940	341150	341360	341570	341770	341980	342190	342400
289.8	342610	342820	343030	343230	343440	343650	343860	344070	344280	344490
289.9	344700	344910	345120	345330	345540	345750	345960	346170	346380	346590
290.0	346800	347010	347220	347430	347640	347850	348060	348270	348480	348690
290.1	348910	349120	349330	349540	349750	349960	350170	350380	350600	350810
290.2	351020	351230	351440	351660	351870	352080	352290	352500	352720	352930
290.3	353140	353360	353570	353780	353990	354210	354420	354630	354850	355060
290.4	355270	355490	355700	355910	356130	356340	356560	356770	356980	357200
290.5	357410	357630	357840	358060	358270	358490	358700	358920	359130	359340
290.6	359560	359770	359990	360210	360420	360640	360850	361070	361280	361500
290.7	361720	361930	362150	362360	362580	362790	363010	363230	363440	363660
290.8	363880	364090	364310	364530	364740	364960	365180	365400	365610	365830
290.9	366050	366260	366480	366700	366920	367130	367350	367570	367790	368010
291.0	368220	368440	368660	368880	369100	369320	369530	369750	369970	370190
291.1	370410	370630	370850	371070	371290	371500	371720	371940	372160	372380
291.2	372600	372820	373040	373260	373480	373700	373920	374140	374360	374580
291.3	374800	375020	375240	375460	375680	375900	376120	376350	376570	376790
291.4	377010	377230	377450	377670	377890	378110	378340	378560	378780	379000
291.5	379220	379440	379670	379890	380110	380330	380560	380780	381000	381220
291.6	381450	381670	381890	382110	382340	382560	382780	383010	383230	383450
291.7	383680	383900	384120	384350	384570	384790	385020	385240	385470	385690
291.8	385910	386140	386360	386590	386810	387040	387260	387480	387710	387930
291.9	388160	388380	388610	388830	389060	389280	389510	389740	389960	390190
292.0	390410	390640	390860	391090	391320	391540	391770	391990	392220	392450
292.1	392670	392900	393130	393350	393580	393810	394030	394260	394490	394710
292.2	394940	395170	395400	395620	395850	396080	396310	396530	396760	396990
292.3	397220	397440	397670	397900	398130	398360	398590	398810	399040	399270
292.4	399500	399730	399960	400190	400420	400640	400870	401100	401330	401560
292.5	401790	402020	402250	402480	402710	402940	403170	403400	403630	403860
292.6	404090	404320	404550	404780	405010	405240	405470	405700	405930	406160
292.7	406390	406620	406850	407080	407310	407550	407780	408010	408240	408470
292.8	408700	408930	409170	409400	409630	409860	410090	410320	410560	410790
292.9	411020	411250	411480	411720	411950	412180	412410	412650	412880	413110
293.0	413340	413580	413810	414040	414270	414510	414740	414970	415210	415440
293.1	415670	415910	416140	416370	416610	416840	417070	417310	417540	417780
293.2	418010	418240	418480	418710	418950	419180	419410	419650	419880	420120
293.3	420350	420590	420820	421060	421290	421530	421760	422000	422230	422470
293.4	422700	422940	423170	423410	423640	423880	424120	424350	424590	424820
293.5	425060	425290	425530	425770	426000	426240	426480	426710	426950	427180
293.6	427420	427660	427900	428130	428370	428610	428840	429080	429320	429550
293.7	429790	430030	430270	430500	430740	430980	431220	431450	431690	431930
293.8	432170	432410	432650	432880	433120	433360	433600	433840	434080	434320

## RESERVOIR VOLUME TABLE

page 14

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE- FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
293.9	434550	434790	435030	435270	435510	435750	435990	436230	436470	436710
294.0	436950	437190	437430	437670	437910	438150	438390	438630	438870	439110
294.1	439350	439590	439830	440070	440310	440550	440790	441030	441270	441520
294.2	441760	442000	442240	442480	442720	442960	443210	443450	443690	443930
294.3	444170	444420	444660	444900	445140	445390	445630	445870	446110	446360
294.4	446600	446840	447090	447330	447570	447820	448060	448300	448550	448790
294.5	449030	449280	449520	449770	450010	450250	450500	450740	450990	451230
294.6	451480	451720	451970	452210	452460	452700	452950	453190	453440	453680
294.7	453930	454170	454420	454670	454910	455160	455400	455650	455900	456140
294.8	456390	456630	456880	457130	457370	457620	457870	458110	458360	458610
294.9	458860	459100	459350	459600	459850	460090	460340	460590	460840	461080
295.0	461330	461580	461830	462080	462330	462570	462820	463070	463320	463570
295.1	463820	464070	464310	464560	464810	465060	465310	465560	465810	466060
295.2	466310	466560	466810	467060	467310	467560	467810	468060	468310	468560
295.3	468810	469060	469310	469560	469820	470070	470320	470570	470820	471070
295.4	471320	471580	471830	472080	472330	472580	472840	473090	473340	473590
295.5	473850	474100	474350	474600	474860	475110	475360	475610	475870	476120
295.6	476370	476630	476880	477130	477390	477640	477900	478150	478400	478660
295.7	478910	479170	479420	479670	479930	480180	480440	480690	480950	481200
295.8	481460	481710	481970	482220	482480	482730	482990	483250	483500	483760
295.9	484010	484270	484530	484780	485040	485290	485550	485810	486060	486320
296.0	486580	486830	487090	487350	487600	487860	488120	488380	488630	488890
296.1	489150	489410	489660	489920	490180	490440	490700	490960	491210	491470
296.2	491730	491990	492250	492510	492770	493020	493280	493540	493800	494060
296.3	494320	494580	494840	495100	495360	495620	495880	496140	496400	496660
296.4	496920	497180	497440	497700	497960	498220	498480	498740	499010	499270
296.5	499530	499790	500050	500310	500570	500840	501100	501360	501620	501880
296.6	502150	502410	502670	502930	503190	503460	503720	503980	504240	504510
296.7	504770	505030	505300	505560	505820	506090	506350	506610	506880	507140
296.8	507400	507670	507930	508200	508460	508730	508990	509250	509520	509780
296.9	510050	510310	510580	510840	511110	511380	511640	511910	512170	512440
297.0	512700	512970	513230	513500	513770	514030	514300	514570	514830	515100
297.1	515370	515630	515900	516170	516430	516700	516970	517240	517500	517770
297.2	518040	518310	518570	518840	519110	519380	519650	519920	520180	520450
297.3	520720	520990	521260	521530	521800	522070	522330	522600	522870	523140
297.4	523410	523680	523950	524220	524490	524760	525030	525300	525570	525840
297.5	526110	526380	526650	526920	527200	527470	527740	528010	528280	528550
297.6	528820	529090	529360	529640	529910	530180	530450	530720	530990	531270
297.7	531540	531810	532080	532360	532630	532900	533170	533450	533720	533990
297.8	534270	534540	534810	535090	535360	535630	535910	536180	536450	536730
297.9	537000	537280	537550	537820	538100	538370	538650	538920	539200	539470
298.0	539750	540020	540300	540570	540850	541120	541400	541670	541950	542220
298.1	542500	542780	543050	543330	543600	543880	544160	544430	544710	544990
298.2	545260	545540	545820	546090	546370	546650	546920	547200	547480	547760
298.3	548030	548310	548590	548870	549140	549420	549700	549980	550260	550540
298.4	550810	551090	551370	551650	551930	552210	552490	552760	553040	553320
298.5	553600	553880	554160	554440	554720	555000	555280	555560	555840	556120
298.6	556400	556680	556960	557240	557520	557800	558080	558360	558640	558920
298.7	559200	559490	559770	560050	560330	560610	560890	561170	561450	561740
298.8	562020	562300	562580	562860	563150	563430	563710	563990	564270	564560

## RESERVOIR VOLUME TABLE

page 15

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
298.9	564840	565120	565410	565690	565970	566250	566540	566820	567100	567390
299.0	567670	567950	568240	568520	568810	569090	569370	569660	569940	570230
299.1	570510	570790	571080	571360	571650	571930	572220	572500	572790	573070
299.2	573360	573640	573930	574220	574500	574790	575070	575360	575640	575930
299.3	576220	576500	576790	577070	577360	577650	577930	578220	578510	578800
299.4	579080	579370	579660	579940	580230	580520	580810	581090	581380	581670
299.5	581960	582250	582530	582820	583110	583400	583690	583980	584270	584550
299.6	584840	585130	585420	585710	586000	586290	586580	586870	587160	587450
299.7	587740	588030	588320	588610	588900	589190	589480	589770	590060	590350
299.8	590640	590930	591230	591520	591810	592100	592390	592680	592970	593270
299.9	593560	593850	594140	594430	594730	595020	595310	595600	595900	596190
300.0	596480	596770	597070	597360	597650	597950	598240	598530	598830	599120
300.1	599420	599710	600000	600300	600590	600890	601180	601480	601770	602060
300.2	602360	602650	602950	603250	603540	603840	604130	604430	604720	605020
300.3	605310	605610	605910	606200	606500	606790	607090	607390	607680	607980
300.4	608280	608580	608870	609170	609470	609760	610060	610360	610660	610950
300.5	611250	611550	611850	612150	612450	612740	613040	613340	613640	613940
300.6	614240	614540	614830	615130	615430	615730	616030	616330	616630	616930
300.7	617230	617530	617830	618130	618430	618730	619030	619330	619630	619930
300.8	620230	620540	620840	621140	621440	621740	622040	622340	622640	622950
300.9	623250	623550	623850	624150	624460	624760	625060	625360	625670	625970
301.0	626270	626570	626880	627180	627480	627790	628090	628390	628700	629000
301.1	629300	629610	629910	630220	630520	630820	631130	631430	631740	632040
301.2	632350	632650	632960	633260	633570	633870	634180	634480	634790	635090
301.3	635400	635700	636010	636310	636620	636930	637230	637540	637850	638150
301.4	638460	638770	639070	639380	639690	639990	640300	640610	640920	641220
301.5	641530	641840	642140	642450	642760	643070	643380	643690	643990	644300
301.6	644610	644920	645230	645540	645850	646150	646460	646770	647080	647390
301.7	647700	648010	648320	648630	648940	649250	649560	649870	650180	650490
301.8	650800	651110	651420	651730	652040	652350	652670	652980	653290	653600
301.9	653910	654220	654530	654840	655160	655470	655780	656090	656400	656720
302.0	657030	657340	657650	657960	658280	658590	658900	659220	659530	659840
302.1	660150	660470	660780	661090	661410	661720	662030	662350	662660	662970
302.2	663290	663600	663920	664230	664540	664860	665170	665490	665800	666120
302.3	666430	666740	667060	667370	667690	668000	668320	668630	668950	669270
302.4	669580	669900	670210	670530	670840	671160	671470	671790	672110	672420
302.5	672740	673050	673370	673690	674000	674320	674640	674950	675270	675590
302.6	675900	676220	676540	676860	677170	677490	677810	678130	678440	678760
302.7	679080	679400	679710	680030	680350	680670	680990	681310	681620	681940
302.8	682260	682580	682900	683220	683540	683860	684170	684490	684810	685130
302.9	685450	685770	686090	686410	686730	687050	687370	687690	688010	688330
303.0	688650	688970	689290	689610	689930	690250	690570	690890	691210	691540
303.1	691860	692180	692500	692820	693140	693460	693780	694110	694430	694750
303.2	695070	695390	695710	696040	696360	696680	697000	697320	697650	697970
303.3	698290	698620	698940	699260	699580	699910	700230	700550	700880	701200
303.4	701520	701850	702170	702490	702820	703140	703460	703790	704110	704440
303.5	704760	705080	705410	705730	706060	706380	706710	707030	707350	707680
303.6	708010	708330	708650	708980	709310	709630	709960	710280	710610	710930
303.7	711260	711580	711910	712240	712560	712890	713210	713540	713870	714190
303.8	714520	714850	715170	715500	715830	716150	716480	716810	717130	717460

## Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET				ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT					
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
303.9	717790	718120	718440	718770	719100	719430	719750	720080	720410	720740
304.0	721070	721390	721720	722050	722380	722710	723040	723370	723690	724020
304.1	724350	724680	725010	725340	725670	726000	726330	726660	726990	727320
304.2	727650	727980	728310	728640	728970	729300	729630	729960	730290	730620
304.3	730950	731280	731610	731940	732270	732610	732940	733270	733600	733930
304.4	734260	734600	734930	735260	735590	735920	736260	736590	736920	737250
304.5	737590	737920	738250	738580	738920	739250	739580	739920	740250	740580
304.6	740920	741250	741590	741920	742260	742590	742920	743260	743590	743930
304.7	744260	744600	744930	745270	745600	745940	746270	746610	746940	747280
304.8	747610	747950	748290	748620	748960	749290	749630	749970	750300	750640
304.9	750980	751310	751650	751990	752330	752660	753000	753340	753680	754010
305.0	754350	754690	755030	755360	755700	756040	756380	756720	757060	757390
305.1	757730	758070	758410	758750	759090	759430	759770	760110	760450	760790
305.2	761130	761470	761810	762150	762490	762830	763170	763510	763850	764190
305.3	764530	764870	765210	765550	765890	766240	766580	766920	767260	767600
305.4	767940	768280	768630	768970	769310	769650	769990	770340	770680	771020
305.5	771360	771710	772050	772390	772740	773080	773420	773770	774110	774450
305.6	774800	775140	775480	775830	776170	776520	776860	777210	777550	777900
305.7	778240	778580	778930	779270	779620	779960	780310	780660	781000	781350
305.8	781690	782040	782380	782730	783080	783420	783770	784120	784460	784810
305.9	785160	785500	785850	786200	786540	786890	787240	787590	787930	788280
306.0	788630	788980	789320	789670	790020	790370	790720	791070	791410	791760
306.1	792110	792460	792810	793160	793510	793860	794210	794560	794900	795250
306.2	795600	795950	796300	796650	797000	797350	797700	798050	798400	798750
306.3	799100	799450	799810	800160	800510	800860	801210	801560	801910	802260
306.4	802610	802970	803320	803670	804020	804370	804720	805080	805430	805780
306.5	806130	806490	806840	807190	807540	807900	808250	808600	808950	809310
306.6	809660	810010	810370	810720	811080	811430	811780	812140	812490	812840
306.7	813200	813550	813910	814260	814620	814970	815330	815680	816040	816390
306.8	816750	817100	817460	817810	818170	818520	818880	819230	819590	819950
306.9	820300	820660	821020	821370	821730	822090	822440	822800	823160	823510
307.0	823870	824230	824580	824940	825300	825660	826010	826370	826730	827090
307.1	827450	827800	828160	828520	828880	829240	829600	829960	830320	830670
307.2	831030	831390	831750	832110	832470	832830	833190	833550	833910	834270
307.3	834630	834990	835350	835710	836070	836440	836800	837160	837520	837880
307.4	838240	838600	838970	839330	839690	840050	840410	840780	841140	841500
307.5	841860	842230	842590	842950	843310	843680	844040	844400	844770	845130
307.6	845490	845860	846220	846580	846950	847310	847680	848040	848400	848770
307.7	849130	849500	849860	850230	850590	850960	851320	851690	852050	852420
307.8	852780	853150	853510	853880	854250	854610	854980	855340	855710	856080
307.9	856440	856810	857180	857540	857910	858280	858640	859010	859380	859740
308.0	860110	860480	860850	861210	861580	861950	862320	862690	863050	863420
308.1	863790	864160	864530	864900	865270	865630	866000	866370	866740	867110
308.2	867480	867850	868220	868590	868960	869330	869700	870070	870440	870810
308.3	871180	871550	871920	872290	872660	873030	873400	873780	874150	874520
308.4	874890	875260	875630	876010	876380	876750	877120	877490	877870	878240
308.5	878610	878990	879360	879730	880100	880480	880850	881220	881600	881970
308.6	882350	882720	883090	883470	883840	884220	884590	884970	885340	885710
308.7	886090	886460	886840	887210	887590	887970	888340	888720	889090	889470
308.8	889840	890220	890600	890970	891350	891720	892100	892480	892860	893230

## RESERVOIR VOLUME TABLE

page 17

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
308.9	893610	893990	894360	894740	895120	895500	895870	896250	896630	897010
309.0	897380	897760	898140	898520	898900	899280	899650	900030	900410	900790
309.1	901170	901550	901930	902310	902690	903070	903450	903830	904210	904590
309.2	904970	905350	905730	906110	906490	906870	907250	907630	908010	908390
309.3	908770	909150	909540	909920	910300	910680	911060	911440	911830	912210
309.4	912590	912970	913350	913740	914120	914500	914880	915270	915650	916030
309.5	916420	916800	917180	917570	917950	918330	918720	919100	919480	919870
309.6	920250	920640	921020	921410	921790	922170	922560	922940	923330	923710
309.7	924100	924480	924870	925250	925640	926020	926410	926790	927180	927570
309.8	927950	928340	928720	929110	929490	929880	930270	930650	931040	931430
309.9	931810	932200	932590	932970	933360	933750	934130	934520	934910	935300
310.0	935680	936070	936460	936840	937230	937620	938010	938400	938780	939170
310.1	939560	939950	940340	940720	941110	941500	941890	942280	942670	943050
310.2	943440	943830	944220	944610	945000	945390	945780	946170	946550	946940
310.3	947330	947720	948110	948500	948890	949280	949670	950060	950450	950840
310.4	951230	951620	952010	952400	952790	953180	953570	953960	954350	954740
310.5	955140	955530	955920	956310	956700	957090	957480	957870	958260	958650
310.6	959050	959440	959830	960220	960610	961000	961400	961790	962180	962570
310.7	962960	963360	963750	964140	964530	964930	965320	965710	966100	966500
310.8	966890	967280	967680	968070	968460	968850	969250	969640	970030	970430
310.9	970820	971210	971610	972000	972400	972790	973180	973580	973970	974360
311.0	974760	975150	975550	975940	976340	976730	977120	977520	977910	978310
311.1	978700	979100	979490	979890	980280	980680	981070	981470	981860	982260
311.2	982660	983050	983450	983840	984240	984630	985030	985420	985820	986220
311.3	986610	987010	987410	987800	988200	988600	988990	989390	989790	990180
311.4	990580	990980	991370	991770	992170	992560	992960	993360	993760	994150
311.5	994550	994950	995340	995740	996140	996540	996930	997330	997730	998130
311.6	998530	998920	999320	999720	1000100	1000500	1000900	1001300	1001700	1002100
311.7	1002500	1002900	1003300	1003700	1004100	1004500	1004900	1005300	1005700	1006100
311.8	1006500	1006900	1007300	1007700	1008100	1008500	1008900	1009300	1009700	1010100
311.9	1010500	1010900	1011300	1011700	1012100	1012500	1012900	1013300	1013700	1014100
312.0	1014500	1014900	1015300	1015700	1016100	1016500	1016900	1017300	1017700	1018100
312.1	1018500	1018900	1019300	1019700	1020100	1020500	1020900	1021300	1021700	1022100
312.2	1022500	1022900	1023300	1023700	1024100	1024500	1024900	1025300	1025700	1026100
312.3	1026500	1026900	1027300	1027700	1028100	1028500	1028900	1029300	1029700	1030100
312.4	1030500	1030900	1031400	1031800	1032200	1032600	1033000	1033400	1033800	1034200
312.5	1034600	1035000	1035400	1035800	1036200	1036600	1037000	1037400	1037800	1038200
312.6	1038600	1039000	1039400	1039800	1040200	1040600	1041000	1041400	1041800	1042200
312.7	1042700	1043100	1043500	1043900	1044300	1044700	1045100	1045500	1045900	1046300
312.8	1046700	1047100	1047500	1047900	1048300	1048700	1049100	1049500	1049900	1050300
312.9	1050700	1051100	1051600	1052000	1052400	1052800	1053200	1053600	1054000	1054400
313.0	1054800	1055200	1055600	1056000	1056400	1056800	1057200	1057600	1058000	1058400
313.1	1058800	1059300	1059700	1060100	1060500	1060900	1061300	1061700	1062100	1062500
313.2	1062900	1063300	1063700	1064100	1064500	1064900	1065300	1065700	1066200	1066600
313.3	1067000	1067400	1067800	1068200	1068600	1069000	1069400	1069800	1070200	1070600
313.4	1071000	1071400	1071900	1072300	1072700	1073100	1073500	1073900	1074300	1074700
313.5	1075100	1075500	1075900	1076300	1076700	1077100	1077600	1078000	1078400	1078800
313.6	1079200	1079600	1080000	1080400	1080800	1081200	1081600	1082000	1082400	1082900
313.7	1083300	1083700	1084100	1084500	1084900	1085300	1085700	1086100	1086500	1086900
313.8	1087300	1087800	1088200	1088600	1089000	1089400	1089800	1090200	1090600	1091000

## Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	VOLUME IN ACRE-FEET					ELEVATION INCREMENT INTERPOLATED TO ONE HUNDREDTH FOOT				
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
313.9	1091400	1091800	1092200	1092700	1093100	1093500	1093900	1094300	1094700	1095100
314.0	1095500	1095900	1096300	1096700	1097200	1097600	1098000	1098400	1098800	1099200
314.1	1099600	1100000	1100400	1100800	1101300	1101700	1102100	1102500	1102900	1103300
314.2	1103700	1104100	1104500	1104900	1105400	1105800	1106200	1106600	1107000	1107400
314.3	1107800	1108200	1108600	1109000	1109500	1109900	1110300	1110700	1111100	1111500
314.4	1111900	1112300	1112700	1113200	1113600	1114000	1114400	1114800	1115200	1115600
314.5	1116000	1116400	1116900	1117300	1117700	1118100	1118500	1118900	1119300	1119700
314.6	1120100	1120600	1121000	1121400	1121800	1122200	1122600	1123000	1123400	1123900
314.7	1124300	1124700	1125100	1125500	1125900	1126300	1126700	1127100	1127600	1128000
314.8	1128400	1128800	1129200	1129600	1130000	1130400	1130900	1131300	1131700	1132100
314.9	1132500	1132900	1133300	1133700	1134200	1134600	1135000	1135400	1135800	1136200
315.0	1136600									

APPENDIX C - RESERVOIR AREA TABLE







RESERVOIR AREA TABLE

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT									
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
238.9	5	5	5	5	5	5	5	5	5	5
239.0	5	5	5	5	5	5	5	5	5	5
239.1	5	5	5	5	5	5	5	5	5	5
239.2	5	5	5	5	5	5	5	5	5	5
239.3	5	5	5	5	5	5	5	5	5	5
239.4	5	5	5	5	5	5	5	5	5	5
239.5	5	5	5	5	5	5	5	6	6	6
239.6	6	6	6	6	6	6	6	6	6	6
239.7	6	6	6	6	6	6	6	6	6	6
239.8	6	6	6	6	6	6	6	6	6	6
239.9	6	6	6	6	6	6	6	6	6	6
240.0	6	6	6	6	6	6	6	6	6	6
240.1	6	6	6	6	6	6	6	6	6	6
240.2	6	6	6	6	6	6	6	6	6	6
240.3	6	6	6	7	7	7	7	7	7	7
240.4	7	7	7	7	7	7	7	7	7	7
240.5	7	7	7	7	7	7	7	7	7	7
240.6	7	7	7	7	7	7	7	7	7	7
240.7	7	7	7	7	7	7	7	7	7	7
240.8	7	7	7	7	7	7	8	8	8	8
240.9	8	8	8	8	8	8	8	8	8	8
241.0	8	8	8	8	8	8	8	8	8	8
241.1	8	8	8	8	8	8	8	8	8	8
241.2	8	8	8	8	8	8	8	8	8	8
241.3	8	8	9	9	9	9	9	9	9	9
241.4	9	9	9	9	9	9	9	9	9	9
241.5	9	9	9	9	9	9	9	9	9	9
241.6	9	9	9	9	9	9	9	9	9	9
241.7	9	9	9	10	10	10	10	10	10	10
241.8	10	10	10	10	10	10	10	10	10	10
241.9	10	10	10	10	10	10	10	10	10	10
242.0	10	10	10	10	10	10	10	11	11	11
242.1	11	11	11	11	11	11	11	11	11	11
242.2	11	11	11	11	11	11	11	11	11	11
242.3	11	11	11	12	12	12	12	12	12	12
242.4	12	12	12	12	12	12	12	12	12	12
242.5	12	12	12	12	12	12	12	13	13	13
242.6	13	13	13	13	13	13	13	13	13	13
242.7	13	13	13	13	13	13	13	13	13	13
242.8	14	14	14	14	14	14	14	14	14	14
242.9	14	14	14	14	14	14	14	14	14	14
243.0	14	15	15	15	15	15	15	15	15	15
243.1	15	15	15	15	15	15	15	15	15	15
243.2	15	16	16	16	16	16	16	16	16	16
243.3	16	16	16	16	16	16	16	16	16	17
243.4	17	17	17	17	17	17	17	17	17	17
243.5	17	17	17	17	17	17	18	18	18	18
243.6	18	18	18	18	18	18	18	18	18	18
243.7	18	18	19	19	19	19	19	19	19	19
243.8	19	19	19	19	19	19	19	20	20	20

RESERVOIR AREA TABLE

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	AREA IN ACRES									
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
243.9	20	20	20	20	20	20	20	20	20	20
244.0	20	21	21	21	21	21	21	21	21	21
244.1	21	21	21	21	21	21	22	22	22	22
244.2	22	22	22	22	22	22	22	22	22	22
244.3	23	23	23	23	23	23	23	23	23	23
244.4	23	23	23	24	24	24	24	24	24	24
244.5	24	24	24	24	24	24	25	25	25	25
244.6	25	25	25	25	25	25	25	25	25	26
244.7	26	26	26	26	26	26	26	26	26	26
244.8	26	27	27	27	27	27	27	27	27	27
244.9	27	27	27	28	28	28	28	28	28	28
245.0	28	28	28	28	29	29	29	29	29	29
245.1	29	29	29	29	29	30	30	30	30	30
245.2	30	30	30	30	30	31	31	31	31	31
245.3	31	31	31	31	31	32	32	32	32	32
245.4	32	32	32	32	33	33	33	33	33	33
245.5	33	33	33	34	34	34	34	34	34	34
245.6	34	34	35	35	35	35	35	35	35	35
245.7	36	36	36	36	36	36	36	37	37	37
245.8	37	37	37	38	38	38	38	38	38	39
245.9	39	39	39	40	40	40	40	40	41	41
246.0	41	41	42	42	42	42	43	43	43	43
246.1	44	44	44	44	45	45	45	45	45	46
246.2	46	46	46	46	47	47	47	47	47	48
246.3	48	48	48	48	49	49	49	49	49	50
246.4	50	50	50	50	51	51	51	51	51	52
246.5	52	52	52	52	53	53	53	53	53	54
246.6	54	54	54	55	55	55	55	55	56	56
246.7	56	56	57	57	57	57	58	58	58	58
246.8	59	59	59	59	60	60	60	61	61	61
246.9	62	62	62	63	63	63	64	64	64	65
247.0	65	65	65	66	66	66	67	67	67	68
247.1	68	68	69	69	69	70	70	70	71	71
247.2	71	72	72	72	72	73	73	73	74	74
247.3	74	74	75	75	75	76	76	76	77	77
247.4	77	78	78	78	78	79	79	79	80	80
247.5	80	81	81	81	82	82	82	83	83	83
247.6	84	84	84	85	85	86	86	86	87	87
247.7	87	88	88	88	89	89	90	90	90	91
247.8	91	92	92	92	93	93	94	94	94	95
247.9	95	96	96	96	97	97	98	98	98	99
248.0	99	99	100	100	101	101	101	102	102	103
248.1	103	103	104	104	105	105	105	106	106	107
248.2	107	107	108	108	108	109	109	110	110	110
248.3	111	111	111	112	112	112	113	113	113	114
248.4	114	115	115	115	116	116	116	117	117	117
248.5	118	118	119	119	119	120	120	120	121	121
248.6	122	122	122	123	123	123	124	124	125	125
248.7	125	126	126	127	127	127	128	128	128	129
248.8	129	130	130	130	131	131	132	132	132	133

## RESERVOIR AREA TABLE

page 5

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	AREA IN ACRES									
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
248.9	133	134	134	135	135	135	136	136	136	137
249.0	137	138	138	138	139	139	140	140	140	141
249.1	141	142	142	142	143	143	144	144	144	145
249.2	145	146	146	146	147	147	147	148	148	149
249.3	149	149	150	150	151	151	151	152	152	153
249.4	153	153	154	154	155	155	155	156	156	157
249.5	157	157	158	158	159	159	159	160	160	161
249.6	161	161	162	162	163	163	163	164	164	165
249.7	165	165	166	166	166	167	167	168	168	168
249.8	169	169	170	170	170	171	171	172	172	172
249.9	173	173	174	174	174	175	175	175	176	176
250.0	177	177	177	178	178	179	179	179	180	180
250.1	181	181	182	182	182	183	183	184	184	185
250.2	185	185	186	186	187	187	188	188	188	189
250.3	189	190	190	190	191	191	192	192	193	193
250.4	193	194	194	195	195	196	196	196	197	197
250.5	198	198	198	199	199	200	200	201	201	201
250.6	202	202	203	203	203	204	204	205	205	206
250.7	206	206	207	207	208	208	208	209	209	210
250.8	210	210	211	211	212	212	212	213	213	214
250.9	214	214	215	215	216	216	216	217	217	218
251.0	218	218	219	219	220	220	220	221	221	222
251.1	222	222	223	223	224	224	224	225	225	226
251.2	226	226	227	227	228	228	229	229	229	230
251.3	230	231	231	231	232	232	233	233	234	234
251.4	234	235	235	236	236	237	237	237	238	238
251.5	239	239	240	240	241	241	241	242	242	243
251.6	243	244	244	245	245	246	246	246	247	247
251.7	248	248	249	249	250	250	251	251	252	252
251.8	253	253	254	254	255	255	256	256	256	257
251.9	257	258	258	259	259	260	260	261	261	262
252.0	262	263	263	264	264	265	265	266	266	267
252.1	267	268	268	269	269	270	270	271	272	272
252.2	273	273	274	274	275	275	276	276	277	277
252.3	278	278	279	279	280	280	281	282	282	283
252.4	283	284	284	285	285	286	286	287	288	288
252.5	289	289	290	290	291	291	292	292	293	294
252.6	294	295	295	296	296	297	298	298	299	299
252.7	300	300	301	302	302	303	303	304	305	305
252.8	306	306	307	307	308	309	309	310	310	311
252.9	312	312	313	314	314	315	315	316	317	317
253.0	318	318	319	320	320	321	322	322	323	323
253.1	324	325	325	326	327	327	328	329	329	330
253.2	331	331	332	333	333	334	335	335	336	337
253.3	337	338	339	339	340	341	341	342	343	343
253.4	344	345	346	346	347	348	349	349	350	351
253.5	352	353	353	354	355	356	357	357	358	359
253.6	360	361	362	363	363	364	365	366	367	368
253.7	368	369	370	371	372	372	373	374	375	376
253.8	376	377	378	379	380	380	381	382	383	384

RESERVOIR AREA TABLE

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	AREA IN ACRES				ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT					
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
253.9	384	385	386	387	388	389	389	390	391	392
254.0	393	394	394	395	396	397	398	399	400	400
254.1	401	402	403	404	405	406	407	407	408	409
254.2	410	411	412	413	414	415	415	416	417	418
254.3	419	420	421	422	423	424	424	425	426	427
254.4	428	429	430	431	432	433	434	434	435	436
254.5	437	438	439	440	441	442	443	444	445	445
254.6	446	447	448	449	450	451	452	453	454	455
254.7	456	457	458	459	460	461	462	463	464	465
254.8	466	467	468	469	470	471	472	473	474	475
254.9	476	477	478	479	480	481	482	483	484	485
255.0	486	487	488	489	490	491	492	493	494	495
255.1	496	497	498	499	500	501	502	503	504	505
255.2	507	508	509	510	512	513	514	515	517	518
255.3	520	521	522	524	525	527	528	530	532	533
255.4	535	536	538	540	541	543	545	546	548	550
255.5	552	554	555	557	559	561	563	566	568	570
255.6	573	575	578	581	583	585	588	591	593	596
255.7	598	601	604	607	609	612	615	617	620	623
255.7	598	601	604	607	609	612	615	617	620	623
255.8	652	656	659	662	665	668	672	675	678	682
255.9	685	688	691	693	696	699	702	706	709	712
256.0	715	718	721	724	731	734	738	741	745	749
256.2	752	756	759	763	766	770	773	777	781	784
256.3	788	792	795	799	803	806	810	813	817	821
256.4	824	828	831	834	838	841	844	847	851	854
256.5	858	861	864	868	871	875	878	882	885	889
256.6	892	896	899	903	907	910	914	918	922	926
256.7	930	934	937	941	944	948	952	955	959	962
256.8	966	969	973	976	980	983	987	990	994	998
256.9	1002	1006	1009	1013	1017	1021	1024	1028	1032	1035
257.0	1039	1043	1046	1050	1054	1058	1061	1065	1069	1073
257.1	1078	1082	1086	1090	1095	1099	1103	1107	1111	1115
257.2	1119	1122	1126	1130	1134	1138	1141	1145	1149	1153
257.3	1156	1160	1163	1167	1171	1174	1178	1181	1185	1188
257.4	1192	1195	1199	1202	1206	1209	1213	1216	1220	1223
257.5	1227	1230	1234	1237	1241	1245	1248	1252	1256	1260
257.6	1263	1267	1271	1275	1279	1283	1287	1291	1296	1300
257.7	1304	1308	1312	1316	1320	1325	1329	1333	1338	1342
257.8	1346	1350	1355	1359	1363	1368	1372	1376	1381	1385
257.9	1390	1394	1398	1402	1406	1411	1415	1419	1423	1428
258.0	1432	1436	1441	1445	1449	1454	1458	1462	1467	1471
258.1	1475	1480	1484	1488	1493	1497	1502	1506	1511	1515
258.2	1520	1524	1529	1533	1538	1542	1547	1551	1557	1561
258.3	1566	1570	1575	1579	1584	1588	1593	1597	1602	1607
258.4	1611	1616	1620	1625	1629	1633	1638	1642	1648	1652
258.5	1656	1661	1665	1670	1674	1679	1683	1688	1693	1698
258.6	1703	1708	1713	1718	1723	1729	1734	1739	1746	1751
258.7	1756	1761	1766	1771	1776	1781	1786	1791	1797	1802
258.8	1807	1812	1817	1822	1828	1833	1838	1843	1848	1853

## RESERVOIR AREA TABLE

page 7

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	AREA IN ACRES									
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
258.9	1859	1864	1869	1875	1880	1885	1891	1896	1902	1908
259.0	1913	1918	1923	1929	1934	1939	1943	1948	1953	1958
259.1	1963	1969	1974	1979	1984	1989	1994	1999	2005	2010
259.2	2015	2020	2024	2029	2034	2039	2043	2048	2053	2057
259.3	2062	2066	2071	2076	2080	2085	2090	2095	2099	2104
259.4	2109	2114	2119	2124	2129	2134	2139	2144	2149	2154
259.5	2159	2164	2169	2174	2179	2184	2190	2195	2200	2206
259.6	2211	2216	2222	2227	2233	2238	2244	2249	2255	2260
259.7	2265	2270	2275	2280	2285	2290	2295	2300	2305	2309
259.8	2314	2319	2324	2328	2333	2338	2342	2347	2352	2357
259.9	2361	2366	2370	2375	2379	2383	2388	2392	2397	2402
260.0	2406	2411	2415	2420	2424	2429	2433	2438	2442	2447
260.1	2451	2456	2460	2465	2469	2474	2479	2483	2488	2493
260.2	2498	2502	2507	2512	2516	2521	2526	2531	2535	2540
260.3	2545	2550	2555	2560	2565	2570	2576	2581	2586	2592
260.4	2597	2603	2609	2614	2620	2626	2632	2638	2644	2650
260.5	2655	2661	2667	2673	2679	2685	2692	2698	2704	2711
260.6	2718	2724	2731	2738	2744	2751	2760	2766	2773	2779
260.7	2786	2792	2799	2805	2811	2817	2824	2830	2836	2842
260.8	2848	2854	2859	2865	2871	2877	2884	2890	2896	2902
260.9	2908	2913	2919	2925	2931	2936	2942	2948	2954	2960
261.0	2965	2971	2977	2983	2989	2995	3002	3007	3012	3018
261.1	3023	3028	3033	3038	3044	3049	3055	3060	3065	3070
261.2	3076	3081	3086	3091	3096	3100	3105	3110	3115	3120
261.3	3125	3130	3135	3140	3145	3150	3157	3162	3167	3172
261.4	3177	3182	3187	3192	3197	3201	3206	3211	3215	3220
261.5	3224	3229	3233	3238	3243	3247	3252	3257	3262	3266
261.6	3271	3276	3281	3285	3290	3295	3300	3304	3309	3314
261.7	3318	3323	3327	3332	3337	3341	3346	3351	3355	3359
261.8	3364	3368	3372	3376	3381	3385	3389	3394	3398	3402
261.9	3407	3411	3415	3420	3424	3429	3433	3438	3443	3447
262.0	3452	3457	3462	3467	3472	3477	3483	3488	3493	3498
262.1	3502	3507	3512	3517	3521	3526	3531	3536	3540	3545
262.2	3550	3555	3559	3564	3568	3573	3577	3582	3587	3591
262.3	3596	3601	3606	3610	3615	3620	3625	3630	3634	3639
262.4	3643	3648	3652	3657	3661	3666	3671	3675	3679	3684
262.5	3688	3692	3697	3701	3705	3710	3714	3719	3723	3727
262.6	3732	3736	3741	3745	3750	3754	3759	3763	3768	3773
262.7	3778	3783	3788	3793	3798	3803	3809	3814	3819	3825
262.8	3830	3835	3841	3846	3851	3857	3862	3867	3873	3878
262.9	3883	3889	3894	3899	3905	3910	3915	3921	3926	3932
263.0	3937	3943	3948	3954	3959	3965	3970	3976	3981	3986
263.1	3992	3997	4002	4008	4013	4018	4024	4029	4034	4040
263.2	4045	4051	4056	4062	4067	4072	4078	4083	4089	4094
263.3	4100	4105	4110	4116	4121	4127	4133	4138	4144	4149
263.4	4155	4161	4167	4173	4179	4185	4192	4198	4204	4209
263.5	4215	4221	4227	4233	4238	4244	4250	4255	4261	4266
263.6	4272	4277	4283	4289	4294	4300	4306	4312	4317	4323
263.7	4329	4335	4341	4347	4353	4358	4365	4371	4377	4383
263.8	4389	4396	4402	4408	4415	4421	4428	4434	4440	4447

## RESERVOIR AREA TABLE

page 8

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	AREA IN ACRES									
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
263.9	4453	4459	4466	4472	4478	4485	4491	4498	4504	4511
264.0	4517	4524	4530	4537	4544	4552	4559	4566	4573	4580
264.1	4587	4594	4601	4608	4615	4625	4633	4640	4647	4655
264.2	4662	4669	4676	4683	4691	4699	4706	4713	4720	4727
264.3	4734	4741	4748	4755	4762	4769	4776	4783	4789	4796
264.4	4803	4810	4817	4824	4831	4838	4845	4851	4858	4865
264.5	4872	4879	4886	4894	4901	4909	4917	4925	4933	4941
264.6	4949	4957	4965	4973	4981	4990	4999	5008	5016	5024
264.7	5033	5041	5048	5056	5064	5072	5079	5086	5093	5101
264.8	5108	5115	5123	5130	5138	5147	5153	5160	5167	5174
264.9	5180	5186	5193	5199	5206	5212	5218	5225	5231	5237
265.0	5244	5250	5257	5263	5270	5277	5284	5290	5296	5305
265.1	5312	5318	5325	5332	5339	5346	5353	5360	5367	5375
265.2	5382	5389	5397	5404	5411	5420	5428	5435	5443	5451
265.3	5458	5466	5473	5480	5487	5495	5502	5508	5515	5522
265.4	5528	5535	5541	5547	5553	5559	5565	5571	5577	5585
265.5	5591	5597	5603	5609	5615	5621	5627	5633	5639	5646
265.6	5651	5657	5663	5669	5674	5680	5685	5691	5696	5702
265.7	5707	5712	5718	5723	5729	5734	5740	5745	5751	5757
265.8	5762	5767	5773	5778	5784	5789	5794	5800	5805	5810
265.9	5816	5821	5827	5832	5838	5843	5849	5854	5860	5866
266.0	5872	5877	5883	5888	5893	5899	5904	5910	5915	5921
266.1	5926	5932	5937	5942	5948	5953	5959	5964	5969	5974
266.2	5980	5985	5990	5996	6001	6006	6012	6017	6022	6027
266.3	6033	6038	6044	6049	6055	6060	6066	6071	6077	6083
266.4	6088	6094	6100	6106	6111	6117	6123	6129	6135	6141
266.5	6147	6153	6159	6165	6171	6177	6183	6189	6195	6202
266.6	6208	6214	6220	6226	6232	6238	6244	6250	6256	6262
266.7	6267	6273	6278	6284	6290	6295	6301	6307	6312	6318
266.8	6324	6330	6335	6341	6346	6352	6358	6363	6369	6374
266.9	6380	6386	6391	6397	6403	6408	6414	6420	6425	6431
267.0	6436	6442	6448	6453	6459	6465	6470	6476	6481	6487
267.1	6493	6499	6505	6510	6516	6522	6528	6534	6539	6546
267.2	6552	6558	6564	6570	6575	6581	6587	6593	6599	6605
267.3	6610	6616	6621	6627	6633	6638	6644	6649	6655	6661
267.4	6666	6672	6677	6683	6688	6694	6700	6705	6711	6717
267.5	6723	6728	6734	6739	6745	6751	6757	6762	6768	6775
267.6	6781	6787	6793	6800	6806	6812	6818	6825	6831	6838
267.7	6844	6850	6856	6863	6869	6875	6881	6887	6893	6901
267.8	6907	6913	6919	6926	6932	6938	6944	6951	6958	6964
267.9	6971	6977	6983	6990	6996	7002	7009	7015	7021	7029
268.0	7035	7041	7047	7053	7059	7065	7071	7077	7083	7091
268.1	7096	7102	7108	7114	7121	7127	7133	7139	7145	7151
268.2	7157	7163	7170	7176	7182	7188	7194	7201	7207	7214
268.3	7220	7227	7234	7241	7248	7255	7262	7270	7278	7286
268.4	7293	7301	7309	7317	7325	7333	7341	7349	7358	7367
268.5	7376	7384	7392	7401	7409	7417	7425	7433	7441	7450
268.6	7457	7464	7472	7479	7487	7494	7501	7509	7516	7523
268.7	7530	7537	7543	7550	7557	7563	7570	7577	7584	7591
268.8	7597	7604	7610	7617	7623	7630	7636	7643	7650	7657

## RESERVOIR AREA TABLE

page 9

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	AREA IN ACRES									ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT
	.00	.01	.02	.03	.04	.05	.06	.07	.08	
268.9	7663	7670	7676	7682	7688	7695	7701	7707	7713	7720
269.0	7725	7731	7737	7743	7749	7754	7760	7766	7771	7777
269.1	7782	7788	7793	7799	7804	7810	7815	7821	7826	7831
269.2	7837	7842	7847	7853	7858	7863	7869	7874	7880	7885
269.3	7891	7896	7902	7907	7913	7918	7924	7929	7935	7940
269.4	7946	7951	7957	7962	7967	7973	7978	7983	7989	7994
269.5	7999	8005	8010	8016	8021	8027	8033	8039	8045	8052
269.6	8058	8065	8071	8077	8083	8090	8096	8102	8108	8115
269.7	8121	8127	8134	8140	8146	8152	8158	8165	8171	8177
269.8	8183	8189	8195	8201	8206	8212	8218	8224	8230	8235
269.9	8240	8245	8250	8255	8260	8265	8270	8275	8280	8285
270.0	8290	8296	8301	8306	8311	8317	8322	8328	8333	8339
270.1	8345	8350	8356	8361	8367	8373	8378	8384	8391	8396
270.2	8402	8407	8413	8418	8424	8429	8435	8440	8446	8452
270.3	8457	8463	8468	8474	8479	8485	8490	8496	8502	8507
270.4	8513	8518	8523	8529	8534	8539	8545	8550	8555	8560
270.5	8565	8570	8575	8580	8585	8590	8595	8600	8606	8611
270.6	8616	8621	8627	8632	8637	8642	8647	8653	8659	8664
270.7	8669	8674	8678	8683	8688	8693	8698	8703	8708	8713
270.8	8718	8723	8727	8732	8737	8742	8747	8752	8757	8762
270.9	8767	8771	8776	8781	8786	8791	8796	8801	8806	8811
271.0	8816	8821	8827	8832	8837	8842	8848	8853	8859	8865
271.1	8870	8876	8881	8887	8892	8898	8903	8909	8915	8921
271.2	8927	8933	8939	8944	8950	8956	8962	8967	8974	8980
271.3	8986	8992	8998	9004	9010	9016	9022	9028	9034	9040
271.4	9046	9052	9058	9064	9070	9076	9082	9088	9094	9100
271.5	9106	9112	9117	9123	9129	9135	9140	9146	9152	9158
271.6	9163	9168	9174	9179	9184	9189	9194	9200	9205	9209
271.7	9214	9219	9224	9229	9234	9239	9244	9249	9254	9259
271.8	9263	9268	9273	9278	9283	9288	9293	9297	9302	9307
271.9	9312	9317	9322	9327	9332	9337	9343	9348	9353	9358
272.0	9364	9369	9374	9379	9384	9389	9394	9399	9404	9409
272.1	9414	9419	9424	9429	9434	9439	9444	9450	9455	9461
272.2	9466	9471	9476	9482	9487	9492	9497	9502	9508	9513
272.3	9519	9524	9530	9536	9541	9547	9552	9558	9564	9569
272.4	9575	9581	9586	9592	9598	9603	9609	9614	9620	9625
272.5	9631	9636	9641	9647	9652	9657	9663	9669	9675	9680
272.6	9686	9691	9697	9702	9708	9713	9719	9724	9730	9735
272.7	9741	9746	9751	9757	9762	9767	9772	9778	9783	9788
272.8	9793	9798	9803	9808	9812	9817	9822	9827	9831	9836
272.9	9840	9845	9850	9854	9859	9864	9868	9873	9878	9883
273.0	9888	9893	9898	9903	9908	9913	9917	9922	9927	9932
273.1	9936	9941	9946	9951	9955	9960	9965	9969	9974	9979
273.2	9983	9988	9993	9997	10002	10006	10011	10016	10020	10025
273.3	10031	10035	10040	10045	10049	10054	10059	10063	10068	10073
273.4	10078	10083	10087	10092	10097	10101	10106	10111	10115	10120
273.5	10125	10129	10134	10139	10143	10148	10153	10158	10163	10168
273.6	10172	10177	10182	10187	10192	10197	10202	10207	10212	10217
273.7	10222	10226	10231	10236	10241	10246	10251	10256	10261	10266
273.8	10271	10276	10282	10287	10292	10297	10302	10308	10313	10318

## Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	AREA IN ACRES									
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
273.9	10323	10328	10333	10338	10343	10348	10353	10358	10363	10369
274.0	10374	10379	10385	10390	10395	10401	10406	10412	10417	10423
274.1	10428	10434	10440	10446	10452	10457	10463	10469	10475	10481
274.2	10487	10492	10498	10504	10509	10515	10521	10527	10532	10538
274.3	10544	10550	10555	10561	10567	10573	10578	10585	10591	10597
274.4	10603	10609	10615	10621	10627	10633	10639	10645	10651	10657
274.5	10663	10669	10676	10682	10688	10695	10701	10707	10714	10720
274.6	10727	10733	10740	10746	10752	10758	10765	10771	10777	10783
274.7	10789	10795	10801	10807	10813	10819	10825	10831	10837	10843
274.8	10848	10855	10861	10867	10873	10879	10884	10891	10896	10902
274.9	10908	10913	10919	10925	10930	10936	10942	10947	10953	10959
275.0	10965	10971	10977	10983	10989	10995	11001	11007	11013	11019
275.1	11025	11031	11037	11043	11049	11055	11062	11068	11074	11080
275.2	11087	11093	11099	11105	11112	11118	11124	11132	11139	11146
275.3	11155	11162	11169	11175	11182	11189	11196	11204	11210	11217
275.4	11224	11230	11237	11243	11250	11256	11263	11269	11276	11282
275.5	11288	11295	11301	11307	11314	11320	11327	11334	11340	11347
275.6	11354	11361	11368	11375	11382	11389	11396	11403	11410	11417
275.7	11425	11432	11439	11447	11454	11461	11469	11476	11484	11492
275.8	11500	11508	11515	11523	11530	11538	11546	11554	11561	11568
275.9	11576	11583	11590	11597	11605	11612	11619	11628	11635	11642
276.0	11649	11656	11663	11670	11677	11684	11691	11699	11706	11713
276.1	11722	11729	11736	11743	11750	11757	11763	11771	11777	11784
276.2	11791	11798	11805	11811	11818	11825	11832	11839	11846	11853
276.3	11860	11867	11874	11881	11888	11895	11902	11909	11916	11923
276.4	11930	11938	11945	11952	11959	11966	11973	11980	11988	11995
276.5	12002	12009	12015	12022	12029	12036	12043	12051	12058	12065
276.6	12072	12079	12086	12093	12100	12107	12114	12121	12128	12135
276.7	12142	12149	12156	12163	12170	12177	12184	12191	12198	12205
276.8	12212	12220	12227	12234	12241	12249	12256	12263	12271	12278
276.9	12286	12293	12299	12306	12314	12321	12328	12336	12344	12351
277.0	12358	12366	12373	12380	12387	12394	12401	12408	12415	12421
277.1	12428	12434	12441	12448	12454	12461	12467	12474	12480	12487
277.2	12493	12500	12506	12513	12519	12525	12532	12538	12544	12550
277.3	12557	12563	12569	12574	12580	12586	12591	12597	12603	12608
277.4	12613	12618	12623	12629	12634	12639	12644	12650	12655	12660
277.5	12666	12671	12676	12681	12686	12691	12696	12701	12706	12711
277.6	12717	12722	12726	12731	12735	12740	12744	12749	12754	12758
277.7	12763	12767	12772	12776	12781	12785	12789	12794	12799	12803
277.8	12807	12812	12816	12821	12825	12829	12834	12838	12842	12847
277.9	12851	12856	12860	12865	12870	12874	12879	12883	12888	12892
278.0	12897	12901	12906	12910	12915	12919	12924	12928	12933	12937
278.1	12941	12946	12950	12954	12959	12963	12967	12972	12976	12980
278.2	12984	12989	12993	12997	13002	13006	13010	13015	13019	13023
278.3	13028	13032	13037	13041	13045	13050	13054	13059	13063	13067
278.4	13071	13076	13080	13084	13088	13092	13097	13101	13105	13109
278.5	13113	13117	13121	13126	13130	13134	13138	13142	13147	13151
278.6	13155	13159	13163	13168	13172	13176	13181	13185	13189	13194
278.7	13198	13202	13207	13211	13215	13220	13224	13228	13232	13237
278.8	13241	13246	13250	13255	13259	13264	13268	13273	13278	13282



RESERVOIR AREA TABLE

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	AREA IN ACRES									
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
278.9	13287	13291	13296	13301	13305	13310	13315	13319	13324	13329
279.0	13334	13339	13344	13349	13354	13359	13364	13369	13374	13380
279.1	13385	13390	13395	13401	13406	13412	13417	13423	13428	13434
279.2	13439	13445	13450	13456	13462	13467	13473	13479	13484	13490
279.3	13496	13501	13507	13513	13519	13524	13530	13536	13542	13548
279.4	13553	13559	13565	13572	13578	13584	13590	13597	13603	13610
279.5	13617	13623	13630	13636	13643	13649	13656	13663	13669	13676
279.6	13684	13690	13697	13703	13710	13718	13724	13731	13738	13745
279.7	13751	13758	13765	13772	13779	13786	13793	13800	13806	13813
279.8	13820	13827	13834	13841	13848	13855	13862	13869	13876	13883
279.9	13890	13897	13904	13911	13918	13925	13932	13939	13946	13952
280.0	13959	13966	13973	13980	13987	13994	14001	14008	14016	14023
280.1	14031	14039	14046	14054	14061	14069	14076	14084	14091	14099
280.2	14107	14114	14122	14129	14137	14146	14154	14161	14169	14176
280.3	14184	14192	14199	14207	14214	14222	14229	14237	14244	14251
280.4	14259	14266	14273	14280	14288	14296	14304	14311	14319	14326
280.5	14334	14341	14349	14356	14363	14371	14378	14385	14393	14400
280.6	14407	14415	14422	14429	14436	14444	14451	14458	14465	14472
280.7	14479	14486	14493	14500	14507	14514	14521	14527	14534	14541
280.8	14547	14554	14561	14567	14574	14581	14587	14594	14601	14607
280.9	14614	14620	14627	14634	14640	14647	14653	14660	14666	14673
281.0	14679	14686	14692	14699	14705	14712	14719	14725	14732	14738
281.1	14745	14752	14758	14765	14772	14779	14786	14794	14801	14809
281.2	14816	14823	14831	14838	14845	14852	14859	14867	14874	14881
281.3	14888	14896	14903	14911	14918	14927	14934	14942	14950	14958
281.4	14966	14973	14981	14988	14996	15004	15011	15018	15026	15033
281.5	15041	15048	15056	15063	15070	15078	15085	15093	15100	15107
281.6	15115	15122	15130	15138	15145	15153	15160	15168	15175	15183
281.7	15190	15198	15205	15213	15220	15228	15235	15243	15250	15257
281.8	15264	15272	15279	15287	15294	15302	15309	15316	15324	15331
281.9	15338	15346	15353	15360	15368	15375	15382	15389	15397	15404
282.0	15411	15418	15425	15432	15439	15446	15454	15461	15469	15476
282.1	15484	15492	15499	15507	15515	15524	15532	15540	15548	15556
282.2	15564	15572	15580	15588	15596	15605	15613	15620	15628	15636
282.3	15643	15651	15658	15665	15673	15680	15688	15695	15702	15710
282.4	15718	15725	15733	15740	15748	15755	15763	15770	15778	15785
282.5	15793	15801	15808	15816	15823	15831	15839	15846	15854	15862
282.6	15870	15877	15884	15891	15899	15906	15913	15920	15927	15934
282.7	15941	15949	15956	15963	15970	15978	15985	15992	15999	16006
282.8	16014	16021	16028	16036	16043	16050	16057	16064	16072	16079
282.9	16087	16094	16102	16109	16117	16124	16132	16139	16146	16153
283.0	16161	16168	16175	16182	16189	16196	16203	16211	16218	16225
283.1	16233	16239	16246	16253	16259	16266	16273	16279	16286	16292
283.2	16299	16306	16312	16319	16325	16332	16339	16345	16352	16359
283.3	16365	16372	16379	16385	16392	16399	16405	16412	16418	16425
283.4	16432	16438	16445	16451	16458	16465	16472	16478	16485	16492
283.5	16498	16505	16512	16518	16525	16532	16539	16545	16552	16559
283.6	16566	16572	16579	16586	16593	16600	16607	16613	16620	16627
283.7	16633	16640	16647	16654	16661	16668	16675	16682	16689	16696
283.8	16704	16710	16717	16724	16731	16738	16744	16751	16757	16764

## Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	AREA IN ACRES			ELEVATION INCREMENT IS INTERPOLATED TO ONE HUNDREDTH FOOT						
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
283.9	16771	16778	16784	16790	16797	16803	16810	16817	16824	16830
284.0	16837	16844	16850	16857	16863	16870	16876	16883	16889	16896
284.1	16902	16908	16915	16921	16927	16934	16940	16946	16953	16959
284.2	16965	16972	16978	16984	16991	16997	17003	17009	17016	17022
284.3	17029	17035	17042	17048	17054	17061	17067	17074	17080	17087
284.4	17093	17100	17106	17113	17119	17126	17133	17139	17146	17153
284.5	17160	17167	17174	17181	17187	17195	17202	17208	17215	17222
284.6	17230	17237	17244	17250	17257	17264	17270	17277	17284	17290
284.7	17297	17304	17311	17317	17324	17331	17337	17344	17351	17357
284.8	17364	17371	17378	17385	17392	17398	17405	17412	17418	17425
284.9	17432	17438	17444	17451	17457	17463	17470	17476	17482	17489
285.0	17495	17501	17507	17514	17520	17526	17532	17538	17544	17550
285.1	17556	17563	17569	17575	17581	17587	17593	17599	17605	17612
285.2	17618	17624	17631	17637	17643	17650	17656	17662	17668	17675
285.3	17681	17687	17694	17700	17706	17712	17719	17725	17731	17738
285.4	17744	17751	17757	17763	17770	17776	17783	17789	17795	17802
285.5	17809	17815	17822	17828	17835	17841	17847	17853	17860	17866
285.6	17872	17878	17885	17891	17897	17904	17910	17916	17923	17929
285.7	17936	17943	17949	17956	17963	17969	17976	17983	17990	17996
285.8	18003	18010	18017	18024	18031	18038	18045	18052	18059	18067
285.9	18075	18082	18089	18097	18104	18112	18120	18127	18135	18143
286.0	18151	18159	18167	18175	18183	18191	18199	18207	18215	18224
286.1	18233	18241	18249	18257	18265	18273	18281	18289	18297	18305
286.2	18314	18322	18330	18338	18345	18353	18361	18369	18376	18384
286.3	18392	18399	18407	18415	18423	18430	18438	18446	18453	18461
286.4	18468	18476	18483	18491	18498	18506	18513	18520	18528	18535
286.5	18543	18550	18557	18564	18571	18578	18585	18592	18599	18606
286.6	18614	18621	18628	18635	18642	18649	18656	18663	18670	18677
286.7	18684	18691	18698	18705	18712	18720	18727	18734	18742	18749
286.8	18756	18764	18772	18779	18787	18794	18802	18808	18817	18824
286.9	18832	18839	18846	18853	18860	18867	18873	18880	18887	18894
287.0	18901	18908	18915	18922	18929	18936	18943	18950	18957	18964
287.1	18971	18978	18985	18992	18999	19006	19012	19019	19025	19032
287.2	19038	19045	19051	19057	19063	19070	19076	19082	19088	19095
287.3	19101	19107	19113	19120	19126	19132	19139	19145	19151	19158
287.4	19164	19171	19177	19184	19190	19197	19204	19210	19217	19224
287.5	19231	19237	19244	19251	19258	19265	19272	19279	19286	19293
287.6	19301	19308	19315	19322	19329	19336	19343	19350	19357	19364
287.7	19372	19379	19386	19394	19401	19408	19415	19423	19430	19438
287.8	19445	19452	19460	19467	19475	19482	19490	19497	19504	19511
287.9	19518	19525	19532	19539	19546	19553	19559	19566	19573	19580
288.0	19587	19593	19600	19606	19613	19620	19626	19633	19640	19647
288.1	19654	19660	19667	19674	19680	19686	19693	19699	19706	19712
288.2	19719	19725	19732	19738	19745	19752	19758	19765	19772	19779
288.3	19786	19792	19799	19806	19813	19819	19826	19833	19839	19846
288.4	19853	19860	19867	19874	19880	19887	19894	19901	19908	19915
288.5	19923	19930	19937	19944	19951	19958	19965	19971	19978	19985
288.6	19992	19998	20005	20012	20019	20026	20033	20040	20047	20054
288.7	20061	20068	20075	20082	20089	20097	20104	20111	20118	20125
288.8	20132	20140	20147	20154	20161	20169	20176	20183	20190	20198

## Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	AREA IN ACRES									
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
288.9	20205	20212	20220	20227	20234	20242	20249	20256	20264	20271
289.0	20279	20286	20294	20301	20309	20316	20324	20332	20339	20347
289.1	20355	20362	20370	20377	20385	20392	20399	20407	20414	20421
289.2	20429	20436	20443	20450	20458	20465	20472	20479	20486	20494
289.3	20502	20509	20516	20523	20531	20538	20545	20553	20560	20567
289.4	20575	20582	20589	20596	20603	20611	20618	20625	20632	20639
289.5	20646	20653	20660	20667	20674	20681	20688	20695	20702	20709
289.6	20716	20724	20732	20739	20746	20753	20761	20768	20775	20783
289.7	20791	20798	20806	20814	20822	20829	20837	20845	20853	20861
289.8	20869	20877	20886	20894	20902	20910	20918	20926	20935	20943
289.9	20951	20960	20968	20976	20984	20992	21000	21007	21015	21023
290.0	21031	21039	21047	21054	21062	21070	21078	21086	21094	21101
290.1	21109	21117	21125	21133	21141	21149	21157	21165	21173	21181
290.2	21189	21197	21205	21213	21221	21229	21237	21245	21253	21261
290.3	21270	21278	21286	21294	21302	21310	21318	21326	21334	21342
290.4	21350	21358	21367	21375	21383	21391	21399	21407	21415	21424
290.5	21432	21440	21448	21456	21464	21472	21479	21487	21495	21503
290.6	21510	21518	21526	21533	21540	21548	21555	21563	21570	21578
290.7	21585	21593	21601	21608	21616	21624	21631	21639	21647	21654
290.8	21662	21669	21676	21684	21691	21698	21705	21712	21719	21727
290.9	21735	21743	21751	21758	21766	21774	21782	21789	21797	21805
291.0	21813	21820	21828	21836	21843	21851	21859	21867	21874	21882
291.1	21889	21897	21904	21911	21919	21926	21933	21940	21947	21954
291.2	21961	21968	21976	21983	21990	21997	22005	22012	22019	22026
291.3	22033	22040	22047	22055	22062	22069	22076	22083	22090	22098
291.4	22105	22112	22119	22127	22134	22142	22149	22157	22165	22173
291.5	22181	22189	22197	22206	22214	22223	22231	22240	22248	22257
291.6	22265	22273	22282	22290	22298	22305	22313	22320	22328	22335
291.7	22343	22350	22357	22365	22372	22379	22386	22393	22401	22408
291.8	22415	22422	22432	22439	22447	22455	22462	22470	22478	22485
291.9	22493	22501	22510	22517	22525	22532	22540	22547	22555	22562
292.0	22570	22577	22585	22592	22600	22607	22614	22622	22629	22637
292.1	22644	22652	22659	22667	22674	22681	22689	22696	22704	22711
292.2	22719	22726	22734	22741	22750	22757	22765	22773	22781	22788
292.3	22796	22804	22812	22819	22827	22834	22841	22848	22855	22863
292.4	22870	22877	22884	22891	22898	22905	22911	22918	22925	22932
292.5	22939	22946	22952	22959	22966	22973	22979	22986	22993	23000
292.6	23006	23013	23020	23026	23033	23040	23046	23053	23059	23066
292.7	23073	23079	23086	23092	23099	23106	23112	23119	23126	23132
292.8	23139	23145	23152	23158	23165	23171	23178	23184	23191	23197
292.9	23203	23210	23216	23223	23229	23235	23241	23248	23254	23261
293.0	23267	23274	23281	23287	23294	23300	23307	23313	23320	23326
293.1	23333	23339	23346	23352	23359	23365	23372	23378	23384	23391
293.2	23398	23404	23411	23417	23424	23430	23437	23444	23450	23457
293.3	23464	23470	23477	23484	23490	23497	23503	23510	23517	23523
293.4	23530	23537	23543	23550	23557	23563	23570	23577	23583	23590
293.5	23597	23604	23611	23617	23624	23631	23638	23645	23652	23659
293.6	23665	23672	23680	23687	23694	23702	23709	23716	23723	23731
293.7	23738	23746	23753	23761	23768	23776	23783	23791	23798	23806
293.8	23813	23821	23828	23836	23843	23851	23859	23866	23874	23881

## RESERVOIR AREA TABLE

page 14

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	AREA IN ACRES									
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
293.9	23889	23896	23904	23911	23919	23927	23935	23943	23951	23959
294.0	23967	23974	23983	23991	24000	24008	24016	24024	24032	24040
294.1	24048	24056	24064	24072	24081	24089	24097	24105	24113	24122
294.2	24131	24139	24148	24156	24165	24174	24182	24191	24199	24208
294.3	24216	24224	24233	24242	24250	24259	24267	24276	24284	24293
294.4	24301	24310	24318	24327	24335	24344	24352	24361	24370	24379
294.5	24387	24395	24404	24412	24420	24429	24437	24445	24453	24462
294.6	24470	24478	24486	24495	24504	24512	24520	24529	24537	24546
294.7	24554	24562	24572	24580	24588	24597	24605	24613	24622	24630
294.8	24639	24647	24655	24664	24672	24680	24688	24696	24704	24712
294.9	24720	24728	24736	24744	24753	24761	24769	24777	24785	24793
295.0	24802	24810	24818	24827	24835	24844	24852	24861	24869	24878
295.1	24887	24896	24905	24915	24924	24934	24943	24952	24961	24970
295.2	24979	24988	24997	25007	25016	25025	25035	25044	25053	25063
295.3	25072	25081	25090	25100	25109	25118	25127	25136	25145	25154
295.4	25163	25172	25181	25190	25199	25207	25216	25225	25233	25242
295.5	25251	25259	25268	25276	25285	25293	25301	25309	25318	25326
295.6	25334	25343	25351	25359	25368	25376	25384	25393	25401	25410
295.7	25418	25427	25435	25444	25453	25461	25470	25479	25488	25497
295.8	25505	25514	25523	25532	25542	25550	25559	25568	25577	25586
295.9	25595	25603	25612	25620	25629	25637	25646	25655	25663	25672
296.0	25680	25689	25698	25706	25715	25724	25733	25742	25751	25760
296.1	25769	25777	25786	25795	25805	25814	25823	25832	25841	25850
296.2	25859	25868	25877	25886	25896	25905	25914	25922	25931	25940
296.3	25949	25958	25966	25975	25984	25993	26001	26010	26019	26027
296.4	26036	26045	26054	26062	26071	26080	26089	26097	26106	26115
296.5	26124	26132	26141	26150	26159	26167	26176	26185	26193	26202
296.6	26211	26220	26229	26238	26247	26256	26265	26274	26283	26292
296.7	26301	26310	26319	26328	26338	26347	26356	26365	26374	26384
296.8	26393	26402	26412	26421	26430	26440	26450	26459	26469	26478
296.9	26488	26498	26507	26517	26526	26536	26545	26555	26564	26574
297.0	26584	26594	26603	26613	26623	26633	26642	26652	26662	26672
297.1	26682	26691	26701	26710	26719	26729	26738	26747	26756	26766
297.2	26775	26784	26793	26802	26811	26820	26829	26838	26847	26856
297.3	26865	26875	26884	26893	26902	26911	26920	26929	26938	26948
297.4	26957	26966	26975	26984	26993	27002	27011	27020	27029	27038
297.5	27047	27056	27065	27074	27083	27092	27100	27109	27118	27127
297.6	27136	27144	27153	27162	27171	27180	27189	27198	27206	27216
297.7	27224	27233	27242	27250	27259	27268	27277	27286	27295	27306
297.8	27314	27323	27332	27341	27350	27358	27367	27375	27384	27393
297.9	27401	27410	27419	27427	27436	27445	27454	27463	27472	27481
298.0	27490	27498	27507	27516	27525	27534	27543	27551	27560	27569
298.1	27578	27587	27596	27605	27614	27623	27631	27640	27649	27658
298.2	27667	27676	27685	27693	27702	27711	27720	27729	27737	27747
298.3	27756	27765	27773	27782	27791	27800	27808	27817	27826	27835
298.4	27844	27852	27861	27869	27878	27886	27895	27903	27912	27921
298.5	27930	27938	27946	27955	27963	27971	27979	27988	27996	28004
298.6	28012	28020	28028	28036	28044	28053	28061	28069	28077	28085
298.7	28094	28102	28110	28118	28127	28135	28144	28152	28161	28170
298.8	28178	28186	28195	28204	28212	28221	28230	28238	28247	28256



## RESERVOIR AREA TABLE

page 16

Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	AREA IN ACRES									
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
303.9	32734	32742	32751	32759	32768	32776	32784	32793	32801	32810
304.0	32819	32827	32836	32844	32853	32861	32870	32878	32887	32896
304.1	32905	32913	32922	32931	32939	32948	32957	32966	32975	32983
304.2	32993	33001	33011	33020	33029	33038	33047	33056	33065	33074
304.3	33083	33092	33101	33110	33120	33129	33138	33147	33157	33166
304.4	33176	33186	33196	33205	33215	33225	33235	33245	33255	33265
304.5	33275	33285	33296	33306	33316	33326	33336	33346	33356	33367
304.6	33377	33387	33397	33407	33417	33427	33437	33447	33457	33467
304.7	33477	33487	33497	33507	33517	33527	33537	33547	33557	33567
304.8	33578	33588	33598	33608	33619	33629	33640	33650	33660	33671
304.9	33682	33692	33703	33713	33724	33734	33744	33754	33764	33774
305.0	33784	33794	33804	33814	33824	33834	33843	33853	33863	33873
305.1	33882	33892	33902	33912	33921	33931	33941	33951	33960	33970
305.2	33980	33989	33999	34009	34018	34028	34038	34047	34057	34067
305.3	34077	34087	34097	34107	34117	34127	34137	34147	34157	34166
305.4	34176	34186	34195	34205	34215	34225	34234	34244	34254	34263
305.5	34273	34283	34293	34303	34313	34323	34333	34343	34354	34364
305.6	34374	34384	34395	34405	34415	34425	34435	34445	34455	34465
305.7	34476	34487	34497	34507	34517	34527	34538	34548	34558	34569
305.8	34579	34589	34599	34610	34620	34630	34640	34651	34661	34671
305.9	34682	34692	34702	34712	34722	34732	34741	34751	34761	34770
306.0	34780	34789	34799	34808	34818	34827	34836	34845	34855	34864
306.1	34873	34882	34891	34900	34910	34919	34928	34937	34946	34955
306.2	34964	34973	34982	34991	35000	35009	35018	35027	35036	35045
306.3	35054	35063	35072	35081	35091	35100	35109	35118	35127	35136
306.4	35145	35154	35163	35172	35181	35190	35199	35208	35217	35226
306.5	35235	35244	35253	35263	35272	35281	35290	35299	35309	35318
306.6	35327	35337	35346	35356	35365	35374	35384	35394	35403	35413
306.7	35423	35432	35442	35452	35462	35471	35481	35491	35500	35510
306.8	35519	35529	35539	35548	35559	35568	35578	35588	35598	35608
306.9	35617	35627	35637	35647	35657	35667	35677	35687	35697	35707
307.0	35717	35728	35738	35748	35759	35769	35779	35790	35800	35811
307.1	35821	35832	35843	35854	35866	35877	35888	35899	35910	35922
307.2	35933	35943	35954	35965	35976	35986	35997	36008	36019	36030
307.3	36041	36052	36063	36073	36085	36096	36106	36117	36129	36140
307.4	36151	36161	36172	36182	36193	36203	36213	36224	36234	36244
307.5	36254	36264	36274	36284	36294	36304	36314	36324	36334	36344
307.6	36354	36364	36374	36384	36393	36403	36413	36422	36432	36441
307.7	36451	36461	36470	36480	36489	36499	36508	36518	36528	36537
307.8	36547	36557	36567	36576	36586	36596	36606	36615	36626	36635
307.9	36645	36654	36664	36674	36684	36694	36704	36713	36723	36733
308.0	36743	36753	36763	36773	36783	36793	36803	36812	36822	36832
308.1	36842	36852	36862	36873	36884	36894	36904	36914	36924	36935
308.2	36945	36956	36966	36976	36987	36998	37008	37019	37029	37040
308.3	37051	37061	37072	37082	37093	37104	37115	37126	37137	37149
308.4	37160	37171	37182	37193	37205	37217	37228	37239	37251	37262
308.5	37273	37284	37295	37306	37318	37329	37340	37351	37362	37373
308.6	37385	37396	37407	37418	37429	37439	37450	37461	37471	37482
308.7	37493	37503	37514	37524	37535	37546	37556	37567	37577	37588
308.8	37598	37609	37619	37630	37640	37651	37661	37672	37682	37692

## RESERVOIR AREA TABLE

page 17

Richland-Chambers Reservoir December 1994 Survey

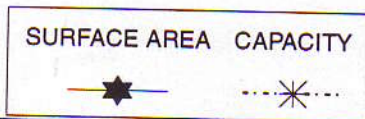
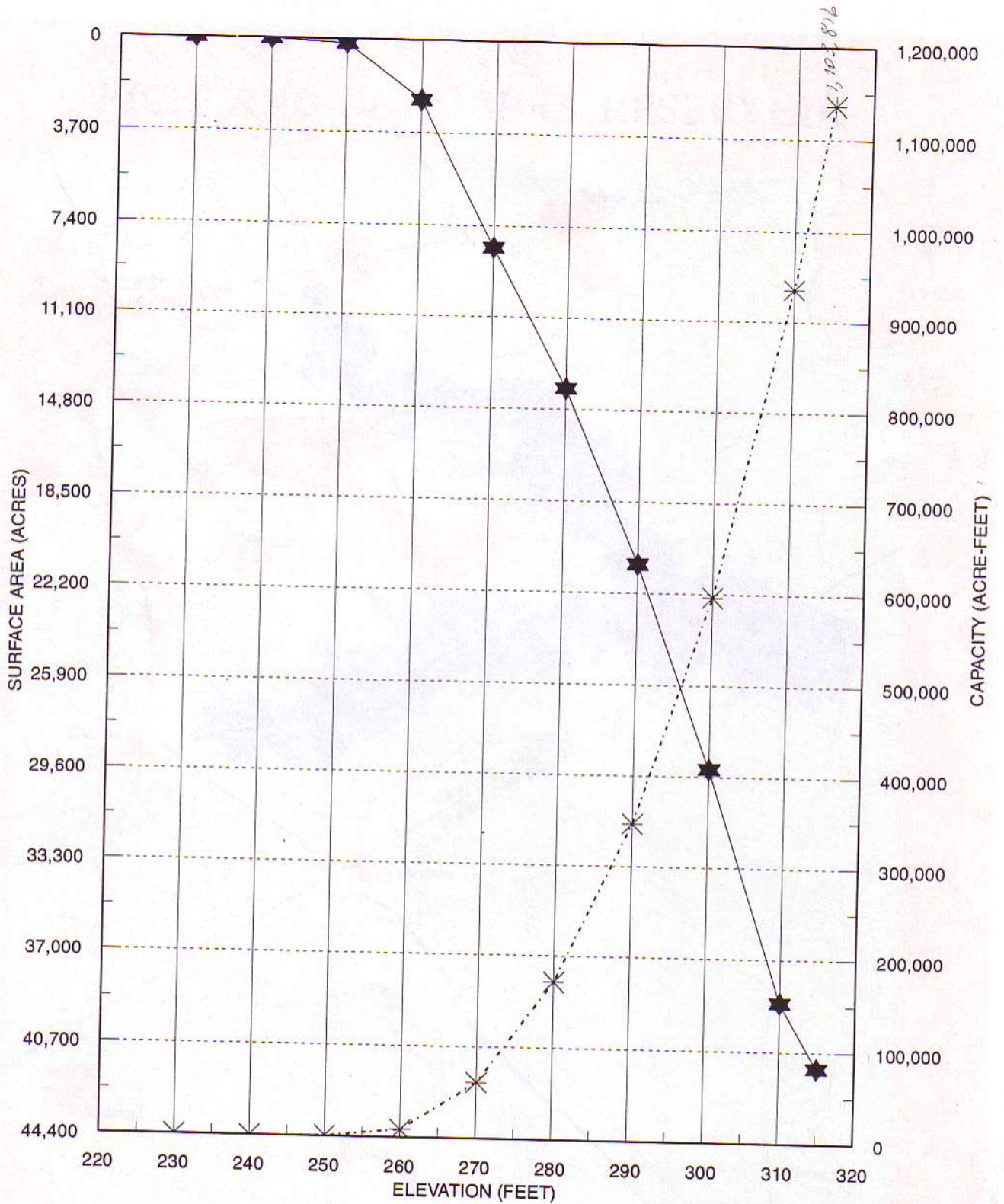
ELEV. FEET	AREA IN ACRES									
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
308.9	37703	37713	37724	37734	37745	37755	37766	37777	37787	37798
309.0	37808	37819	37829	37839	37851	37861	37871	37882	37892	37902
309.1	37913	37923	37933	37943	37954	37964	37975	37985	37995	38005
309.2	38015	38025	38035	38045	38057	38067	38077	38087	38097	38106
309.3	38117	38126	38136	38146	38156	38166	38175	38185	38195	38204
309.4	38214	38224	38233	38243	38253	38262	38272	38282	38292	38302
309.5	38311	38321	38331	38340	38350	38360	38371	38380	38389	38398
309.6	38408	38417	38426	38435	38444	38453	38462	38470	38479	38488
309.7	38496	38505	38513	38522	38531	38539	38547	38556	38564	38572
309.8	38580	38588	38596	38604	38612	38620	38628	38636	38643	38651
309.9	38659	38666	38674	38681	38688	38696	38703	38710	38717	38724
310.0	38731	38738	38745	38752	38759	38766	38773	38780	38787	38794
310.1	38802	38809	38816	38823	38830	38837	38844	38851	38858	38865
310.2	38871	38878	38885	38892	38899	38906	38913	38920	38926	38933
310.3	38940	38947	38954	38961	38968	38974	38981	38987	38994	39001
310.4	39008	39014	39021	39028	39035	39042	39049	39055	39062	39068
310.5	39075	39082	39089	39095	39102	39109	39116	39123	39130	39137
310.6	39144	39151	39158	39166	39173	39181	39188	39195	39202	39209
310.7	39216	39223	39230	39237	39244	39251	39257	39264	39270	39277
310.8	39283	39290	39298	39304	39310	39317	39323	39329	39335	39341
310.9	39347	39354	39360	39366	39372	39378	39385	39391	39397	39403
311.0	39410	39416	39423	39429	39437	39443	39450	39457	39464	39471
311.1	39478	39486	39493	39500	39511	39519	39526	39533	39540	39547
311.2	39554	39561	39568	39575	39583	39589	39596	39602	39608	39614
311.3	39621	39627	39633	39639	39645	39651	39656	39662	39668	39674
311.4	39679	39685	39691	39696	39702	39708	39713	39719	39725	39730
311.5	39736	39742	39747	39753	39758	39764	39770	39775	39781	39786
311.6	39792	39798	39803	39809	39815	39821	39826	39832	39837	39843
311.7	39849	39854	39860	39865	39871	39877	39882	39888	39893	39899
311.8	39905	39911	39917	39922	39928	39934	39940	39946	39952	39958
311.9	39964	39970	39976	39982	39988	39995	40001	40007	40013	40018
312.0	40024	40030	40036	40042	40047	40053	40059	40064	40070	40076
312.1	40082	40087	40093	40099	40104	40110	40116	40121	40127	40133
312.2	40139	40145	40150	40156	40162	40168	40175	40181	40187	40194
312.3	40200	40207	40213	40220	40226	40232	40239	40245	40252	40258
312.4	40266	40272	40279	40285	40292	40298	40305	40311	40318	40324
312.5	40327	40333	40339	40345	40352	40358	40364	40371	40377	40384
312.6	40368	40374	40380	40386	40392	40398	40404	40411	40417	40423
312.7	40409	40415	40421	40427	40433	40439	40445	40451	40457	40463
312.8	40450	40456	40462	40468	40474	40480	40486	40492	40498	40504
312.9	40490	40496	40502	40508	40514	40520	40526	40532	40538	40544
313.0	40531	40537	40543	40549	40555	40561	40567	40573	40579	40585
313.1	40571	40577	40583	40589	40595	40601	40607	40613	40619	40625
313.2	40611	40617	40623	40629	40635	40641	40647	40653	40659	40665
313.3	40651	40657	40663	40669	40675	40681	40687	40693	40699	40705
313.4	40691	40697	40703	40709	40715	40721	40727	40733	40739	40745
313.5	40730	40736	40742	40748	40754	40760	40766	40772	40778	40784
313.6	40770	40776	40782	40788	40794	40800	40806	40812	40818	40824
313.7	40809	40815	40821	40827	40833	40839	40845	40851	40857	40863
313.8	40848	40854	40860	40866	40872	40878	40884	40890	40896	40902

## Richland-Chambers Reservoir December 1994 Survey

ELEV. FEET	AREA IN ACRES									
	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
313.9	40887	40891	40895	40898	40902	40906	40910	40914	40918	40922
314.0	40926	40929	40933	40937	40941	40945	40949	40953	40956	40960
314.1	40964	40968	40972	40976	40980	40983	40987	40991	40995	40999
314.2	41003	41006	41010	41014	41018	41022	41026	41029	41033	41037
314.3	41041	41045	41049	41052	41056	41060	41064	41068	41071	41075
314.4	41079	41083	41087	41090	41094	41098	41102	41106	41109	41113
314.5	41117	41121	41124	41128	41132	41136	41140	41143	41147	41151
314.6	41155	41158	41162	41166	41170	41174	41177	41181	41185	41189
314.7	41192	41196	41200	41204	41207	41211	41215	41219	41222	41226
314.8	41230	41233	41237	41241	41245	41248	41252	41256	41260	41263
314.9	41267	41271	41274	41278	41282	41286	41289	41293	41297	41300
315.0	41356									

APPENDIX B AREA ELEVATION CAPACITY GRAPH





**RICHLAND-CHAMBERS RESERVOIR**  
 DECEMBER 1994 SURVEY  
 Prepared by: TWDB March 1995

FIGURE 1  
**RICHLAND-CHAMBERS RESERVOIR**  
Location Map

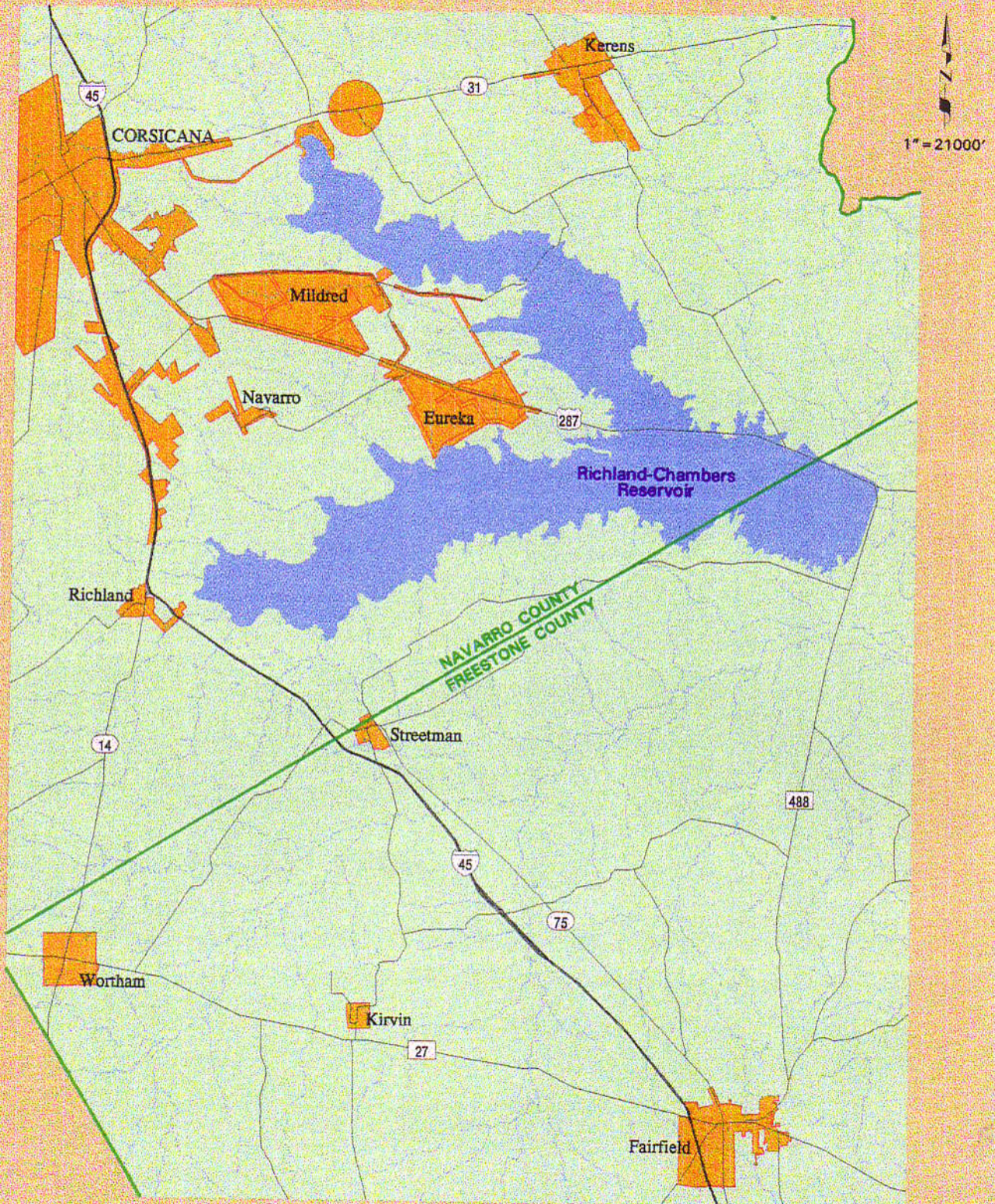





FIGURE 2

# RICHLAND-CHAMBERS RESERVOIR

Location of Survey Data



1" = 13500'

EXPLANATION	
	Lake Boundary
	Islands
	Data Points

PREPARED BY: TWDB FEBRUARY 1995

FIGURE 3

# RICHLAND-CHAMBERS RESERVOIR

Location of control point  
TCWCID #6+00

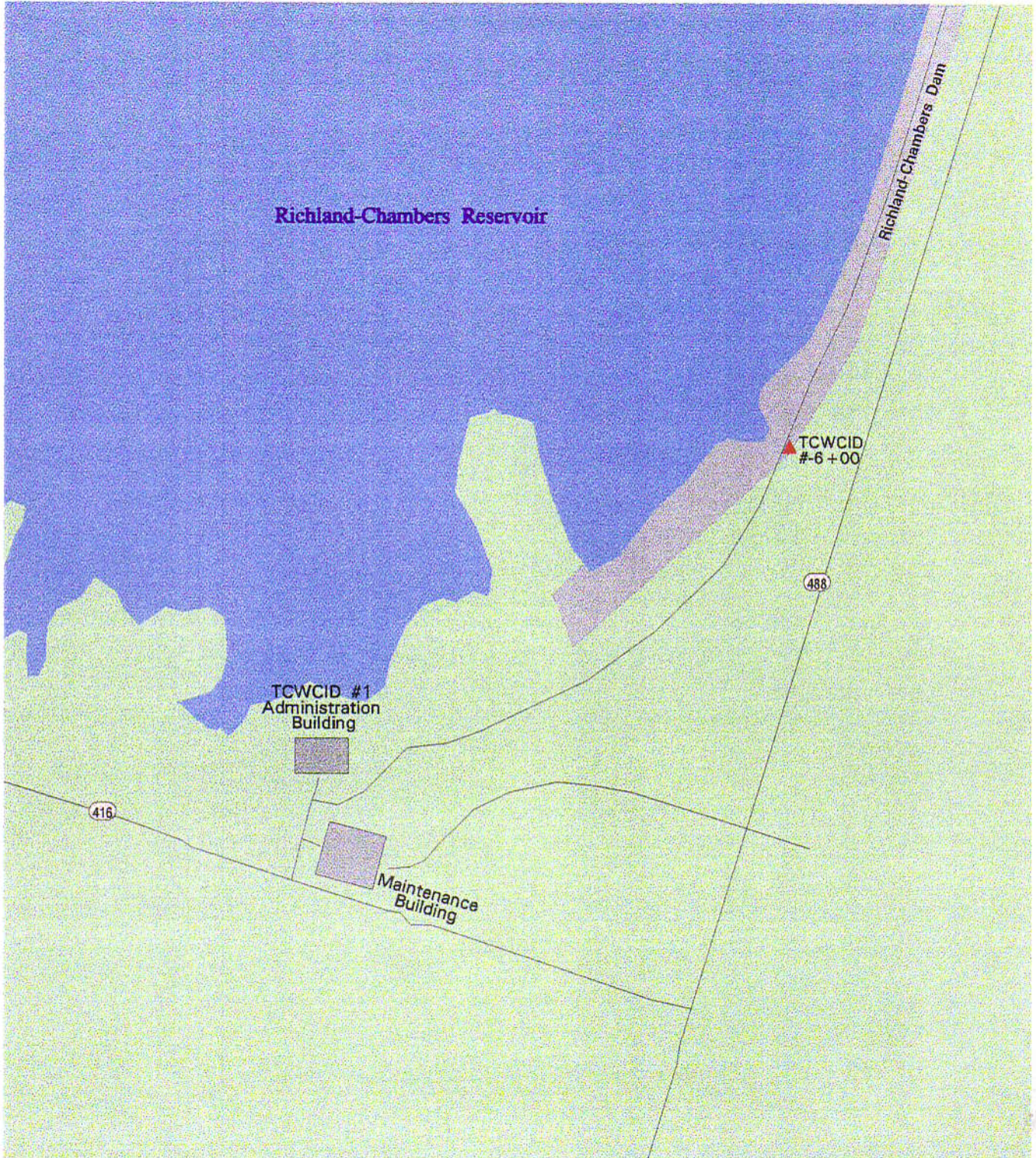
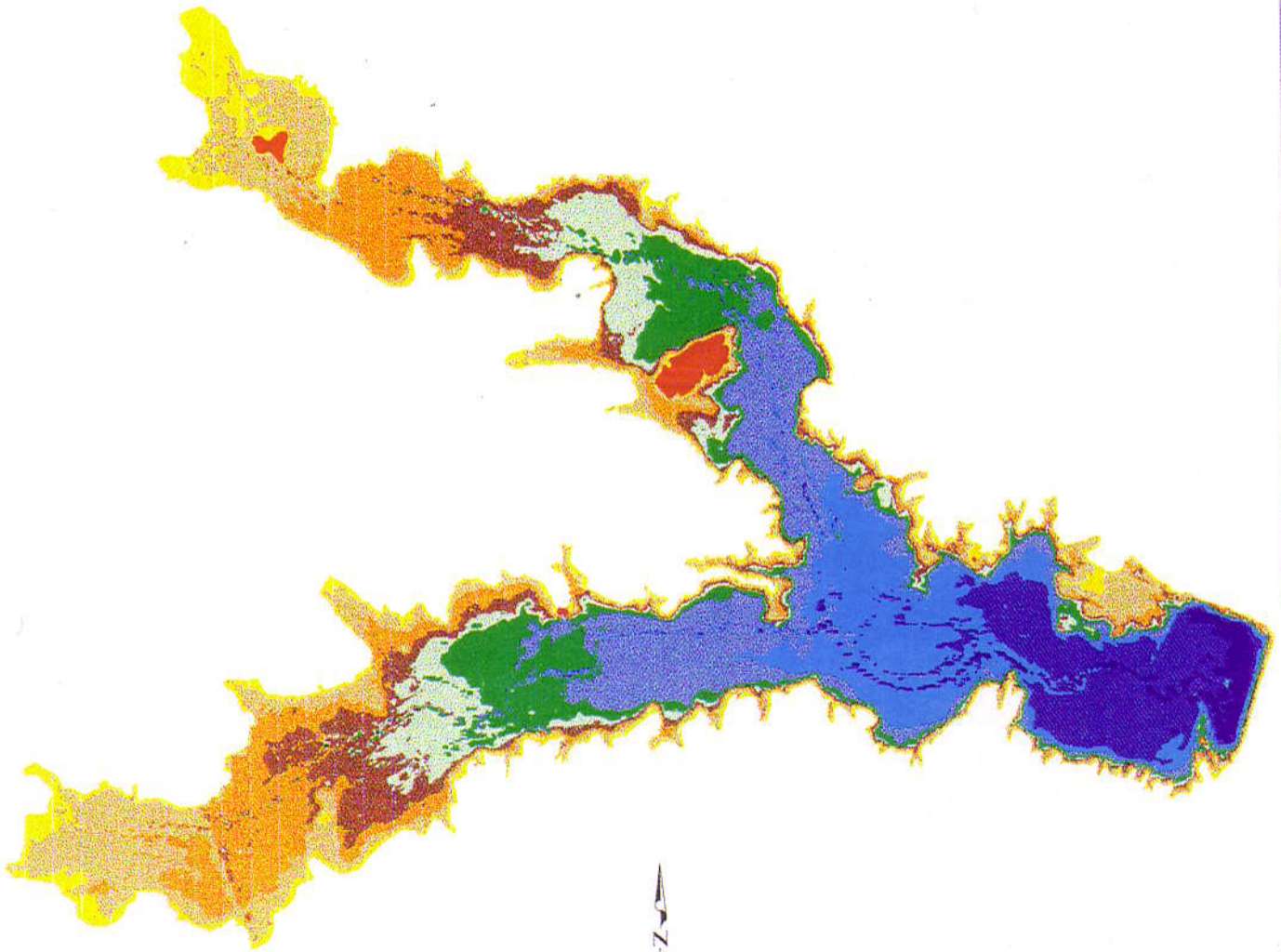


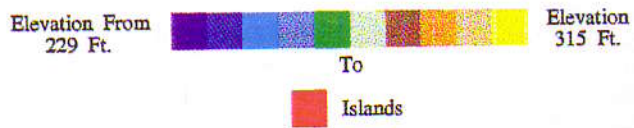
FIGURE 4

# RICHLAND-CHAMBERS RESERVOIR

Shaded Relief



1" = 13500'

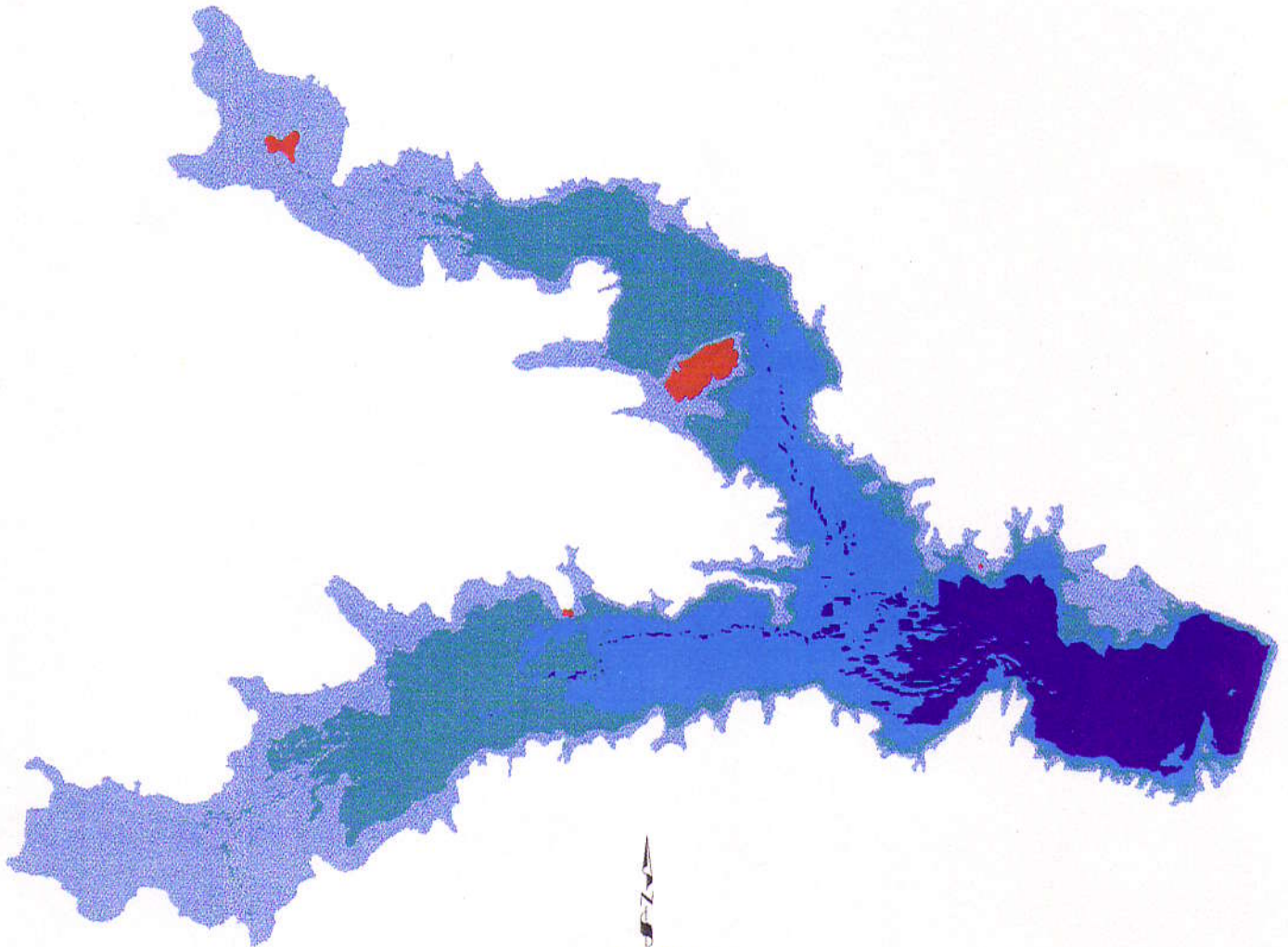


PREPARED BY: TWDB FEBRUARY 1995

FIGURE 5

# RICHLAND-CHAMBERS RESERVOIR

Depth Ranges



1" = 13500'

**EXPLANATION**

- 0 - 20'
- 20 - 35'
- 35 - 55'
- 55 - 86'
- Islands