

**Volumetric Survey
of
LAKE STRIKER**

March 2021



March 2022

Texas Water Development Board

Brooke T. Paup, Chairwoman | Kathleen Jackson, Member

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Prepared for:

Angelina & Nacogdoches WCID #1

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Executive summary

In March 2021, the Texas Water Development Board (TWDB) entered into an agreement with the Angelina and Nacogdoches Counties Water Control and Improvement District No. 1 to perform a volumetric survey of Lake Striker (Cherokee and Rusk counties, Texas). Surveying was performed using a multi-frequency (208 kHz, 50 kHz, and 12 kHz), sub-bottom profiling depth sounder; although only data collected at the 208 kHz frequency was analyzed for this report.

Striker Creek Dam, impounding Striker Creek Reservoir, known as Lake Striker, is located on Striker Creek in Cherokee and Rusk counties, 18 miles southwest of Henderson, Texas. The conservation pool elevation of Lake Striker is 293.00 feet NAVD88. The TWDB collected bathymetric data for Lake Striker on March 29 and March 30, 2021, while daily average water surface elevations measured 293.12 and 293.13 feet NAVD88, respectively.

The 2021 TWDB volumetric survey indicates Lake Striker has a total reservoir capacity of 21,799 acre-feet and encompasses 1,954 acres at conservation pool elevation (293.00 feet NAVD88). Previous capacity estimates include the original design estimate in 1957 of 29,960 acre-feet and a re-calculated 1996 TWDB survey estimate of 23,094 acre-feet. Because of differences in past and present survey methodologies, direct comparison of volumetric surveys to others to estimate loss of area and capacity can be unreliable. Information from past surveys is presented here for informational purposes only.

The TWDB recommends that a similar methodology be used to resurvey Lake Striker in 10 years or after a major high flow event. To further improve estimates of capacity loss, the TWDB recommends a volumetric and sedimentation survey. Sedimentation surveys include additional analysis of the multi-frequency data for post-impoundment sediment by correlation with sediment core samples and a map identifying the spatial distribution of sediment throughout the reservoir.

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Note: References to brand names throughout this report do not imply endorsement by the Texas Water Development Board

Introduction

The Hydrographic Survey Program of the Texas Water Development Board (TWDB) was authorized by the 72nd Texas State Legislature in 1991. Texas Water Code Section 15.804 authorizes the TWDB to perform surveys to determine reservoir storage capacity, sedimentation levels, rates of sedimentation, and projected water supply availability.

In March 2021, the TWDB entered into an agreement with the Angelina and Nacogdoches Counties Water Control and Improvement District No. 1 (Angelina-Nacogdoches Counties WCID#1) to perform a volumetric survey of Lake Striker (Texas Water Development Board, 2021). This report provides an overview of the survey methods, analysis techniques, and associated results. Also included are the following contract deliverables: (1) an elevation-area-capacity table of the reservoir acceptable to the Texas Commission on Environmental Quality (Appendices E and F), (2) a bottom contour map (Figure 6), and (3) a shaded relief plot of the reservoir bottom (Figure 4).

Lake Striker general information

Striker Creek Dam, impounding Striker Creek Reservoir, known as Lake Striker, is located on Striker Creek in Cherokee and Rusk counties, 18 miles southwest of Henderson, Texas (Figure 1). Lake Striker is owned and operated by the Angelina-Nacogdoches Counties WCID #1. Construction of Striker Creek Dam and Lake Striker began on July 23, 1956, and the dam was completed on July 1, 1957. Deliberate impoundment of water began on May 1, 1957 (Texas Water Development Board, 1974). The reservoir was built primarily for municipal and industrial water supply purposes and is also used for recreational purposes (Angelina-Nacogdoches Counties WCID #1, 2023). Additional pertinent data about Striker Creek Dam and Lake Striker can be found in Table 1.

Water rights for Lake Striker have been appropriated to the Angelina-Nacogdoches Counties WCID #1 through Certificate of Adjudication No. 06-4847 and Amendment to Certificate of Adjudication Nos. 06-4847A and 06-4847B (Texas Commission on Environmental Quality, 2021). The complete certificates are on file at the Texas Commission on Environmental Quality (TCEQ).

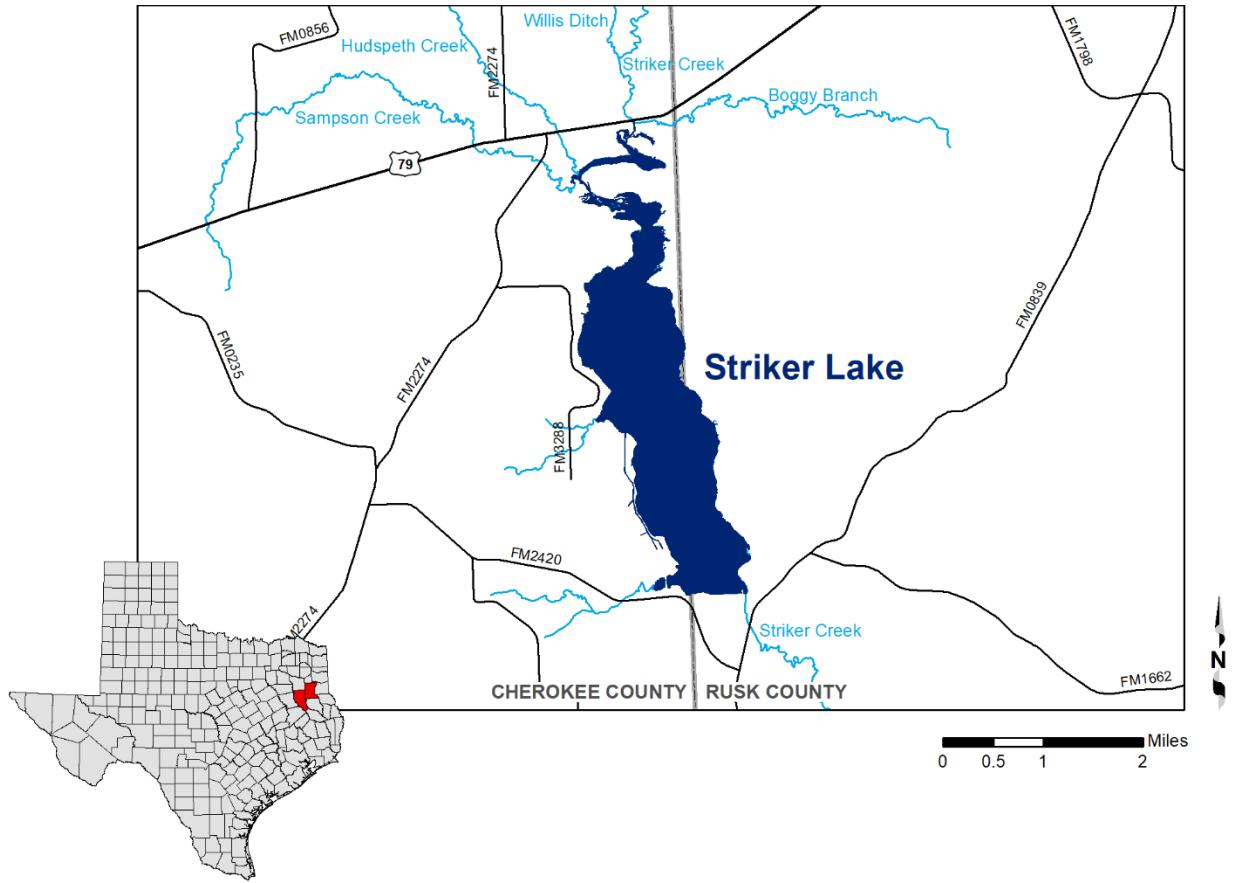


Figure 1. Location map.

Table 1. Pertinent Data for Lake Striker Dam and Lake Striker**Owner(s)**

Angelina and Nacogdoches Counties Water Control and Improvement District No. 1 (Angelina-Nacogdoches Counties WCID#1)

Engineer (Design)

J.M. Lloyd and Associates
W.H. Wolverton
Freese and Nichols

General contractor

Markham & Brown – McMullen & Larson

Location

Striker Creek in Cherokee and Rusk Counties, 18 miles southwest of Henderson

Drainage area

Total drainage area 182 square miles

Dam

| | |
|---|----------------------|
| Type | Earthfill embankment |
| Total length (including service spillway) | 2,400 feet |
| Height | 42.0 feet |
| Top width (earthfill) | 25.0 feet |
| Top of dam elevation | 309.0 feet NAVD88 |

Spillway

| | |
|-----------------|--|
| Emergency | |
| Type | Earth-cut channel |
| Location | Right end of the dam |
| Crest length | 600 feet |
| Crest elevation | 294.0 feet NAVD88 |
| Service | |
| Location | Left end of the dam |
| Type | Concrete ogee structure |
| Control | 4 tainter gates, each 35 feet by 10 feet plus a 1-foot-tall stop log on top of each gate |
| Crest length | 140 feet |
| Crest elevation | 282.0 feet NAVD88 |

Low flow outlet

| | |
|------------------|---------------------------------|
| Location | In the service spillway |
| Type | Concrete pipe, 24-inch diameter |
| Invert elevation | 282.0 feet NAVD88 |
| Control | Flap valve |

Reservoir Data (Based on 2021 TWDB survey)

| Feature | Elevation (feet NAVD88 ^a) | Capacity (acre-feet) | Area (acres) |
|--|---|-------------------------|-----------------|
| Top of dam | 309.0 | N/A | N/A |
| Emergency spillway crest elevation | 294.0 | N/A | N/A |
| Top of conservation pool | 293.0 | 21,799 | 1,954 |
| Invert elevation/ Dead pool elevation | 282.0 | 4,922 | 960 |
| Conservation storage capacity ^b | — | 16,877 | — |

Sources: Texas Water Development Board, 1974, Texas Water Development Board, 2003.

a. North American Vertical Datum 1988 (NAVD88).

b. Usable conservation storage equals total capacity at conservation pool elevation minus dead pool capacity.

Dead pool refers to water that cannot be drained by gravity through the dam outlet works.

Volumetric survey of Lake Striker

Datum

The vertical datum used during this survey is the North American Vertical Datum 1988 (NAVD88). This datum is utilized by the United States Geological Survey (USGS) for the reservoir elevation gage *USGS 08033810 Lk Striker nr Reklaw, TX* (U.S. Geological Survey, 2021). Elevations herein are reported in feet relative to the NAVD88 datum.

Volume and area calculations in this report are referenced to water levels reported by the USGS gage. The horizontal datum used for this report is North American Datum 1983 (NAD83), and the horizontal coordinate system is State Plane Texas Central Zone (feet).

TWDB bathymetric data collection

The TWDB collected bathymetric data for Lake Striker on March 29 and March 30, 2021, while daily average water surface elevations measured 293.12 and 293.13 feet NAVD88, respectively. For data collection, the TWDB used a Specialty Devices, Inc. (SDI), single-beam, multi-frequency (208 kHz, 50 kHz, and 12 kHz) sub-bottom profiling depth sounder integrated with differential global positioning system (DGPS) equipment; although only data collected at the 208 kHz frequency was analyzed for this report. Data were collected along pre-planned survey lines oriented perpendicular to the assumed location of the original river channels and spaced approximately 250 feet apart. Many of the same survey lines also were used by the TWDB for the *Volumetric Surveys of Striker Creek Reservoir and Lake Kurth, December 1996* (Texas Water Development Board, 2003). The depth sounder was calibrated daily using a velocity profiler to measure the speed of sound in the water column and a weighted tape or stadia rod for depth reading verification. Each speed of sound profile, or velocity cast, is saved for further data processing. Figure 2 shows the data collection locations for the 2021 TWDB survey.



Figure 2. 2021 TWDB sounding data (*blue dots*).

Data processing

Model boundary

The bathymetric model boundary of the reservoir was digitized from aerial photographs, also known as digital orthophoto quarter-quadrangle images (DOQQs), obtained through the Texas Imagery Service. The Texas Natural Resources Information System manages the Texas Imagery Service, allowing public organizations in the State of Texas to access high resolution imagery as a service using Environmental Systems Research Institute's ArcGIS software (Texas Natural Resources Information System, 2020a, Texas Natural Resources Information System, 2020b). DOQQs photographed on April 8, 2019, while the daily average water surface elevation measured 293.27 feet, were used to digitize a model boundary at the land-water interface. For modeling purposes, the boundary was assigned an elevation of 293.30 feet.

Triangulated Irregular Network model

Following completion of data collection, the raw data files collected by the TWDB were edited to remove data anomalies. The current bottom surface of the reservoir is automatically determined by the data acquisition software. Hydropick software, developed by TWDB staff, was used to display, interpret, and edit the multi-frequency data by manually removing data anomalies in the current bottom surface. The speed of sound profiles, also known as velocity casts, were used to further refine the measured depths. For each location velocity casts are collected, the harmonic mean sound speed of all the casts are calculated. From this, depths collected using one average speed of sound are corrected with an overall optimum speed of sound for each specific depth (Specialty Devices, Inc., 2018).

All data were exported into a single file. The water surface elevation at the time of each sounding was used to convert each sounding depth to a corresponding reservoir-bottom elevation. This survey point dataset was then preconditioned by inserting a uniform grid of artificial survey points between the actual survey lines. Bathymetric elevations at these artificial points were determined using an anisotropic spatial interpolation algorithm described in the next section. This technique creates a high resolution, uniform grid of interpolated bathymetric elevation points throughout a majority of the reservoir (McEwen *et al.* 2011a). The resulting point file was used in conjunction with sounding and boundary

data to create volumetric Triangulated Irregular Network (TIN) models utilizing the 3D Analyst Extension of ArcGIS. The 3D Analyst algorithm uses Delaunay's criteria for triangulation to create a grid composed of triangles from non-uniformly spaced points, including the boundary vertices (Environmental Systems Research Institute, 1995).

Spatial interpolation of reservoir bathymetry

Isotropic spatial interpolation techniques such as the Delaunay triangulation used by the 3D Analyst extension of ArcGIS are, in many instances, unable to suitably interpolate bathymetry between survey lines common to reservoir surveys. Reservoirs and stream channels are anisotropic morphological features where bathymetry at any particular location is more similar to upstream and downstream locations than to transverse locations. Interpolation schemes that do not consider this anisotropy lead to the creation of several types of artifacts in the final representation of the reservoir bottom surface and hence to errors in volume. These artifacts may include artificially curved contour lines extending into the reservoir where the reservoir walls are steep or the reservoir is relatively narrow, intermittent representation of submerged stream channel connectivity, and oscillations of contour lines in between survey lines. These artifacts reduce the accuracy of the resulting volumetric TIN model in areas between actual survey data.

To improve the accuracy of bathymetric representation between survey lines, the TWDB developed various anisotropic spatial interpolation techniques. Generally, the directionality of interpolation at different locations of a reservoir can be determined from external data sources. A basic assumption is that the reservoir profile in the vicinity of a particular location has upstream and downstream similarity. In addition, the sinuosity and directionality of submerged stream channels can be determined by directly examining the survey data, or more robustly by examining scanned USGS 7.5-minute quadrangle maps (DRGs), hypsography files (the vector format of USGS 7.5-minute quadrangle map contours), and historical aerial photographs, when available. Using the survey data, polygons are created to partition the reservoir into segments with centerlines defining the directionality of interpolation within each segment. Using the interpolation definition files and survey data, the current reservoir-bottom elevation is calculated for each point in the high-resolution uniform grid of artificial survey points. The reservoir boundary, artificial survey points grid, and survey data points are used to create the volumetric TIN model representing reservoir bathymetry. Specific details of this interpolation technique can be

found in the HydroTools manual (McEwen and others, 2011a) and in McEwen and others (2011b).

In areas inaccessible to survey data collection, such as small coves and shallow upstream areas of the reservoir, linear interpolation is used for volumetric estimations (McEwen and others, 2011a). Linear interpolation results in improved elevation-capacity and elevation-area calculations.

Figure 3 illustrates typical results from application of the anisotropic interpolation as applied to Lake Striker. In Figure 3A, deeper channels and steep slopes indicated by surveyed cross-sections are not continuously represented in areas between survey cross-sections. This is an artifact of the TIN generation routine rather than an accurate representation of the physical bathymetric surface. Inclusion of interpolation points in creation of the volumetric TIN model, represented in Figure 3B, directs Delaunay triangulation to better represent the reservoir bathymetry between survey cross-sections. The bathymetry shown in Figure 3C was used in computing reservoir elevation-capacity (Appendix E) and elevation-area (Appendix F) tables.

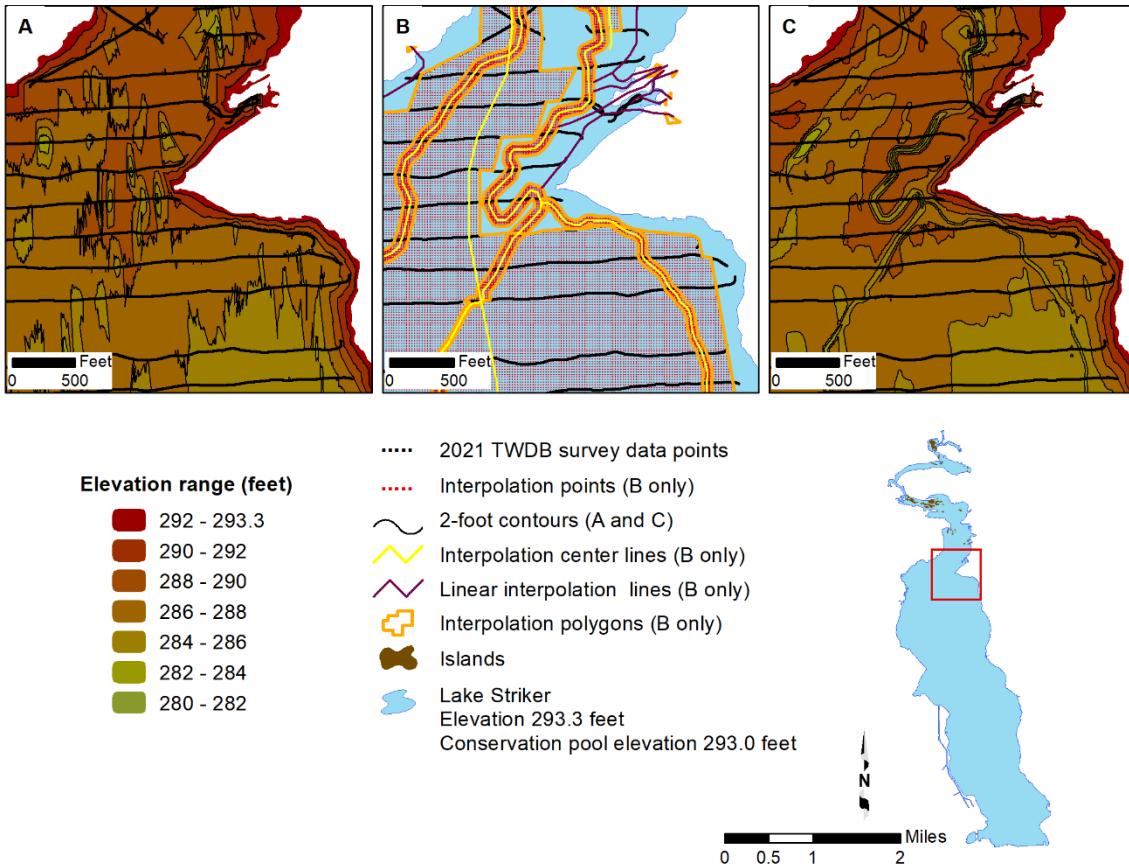


Figure 3. Anisotropic spatial interpolation as applied to Lake Striker sounding data; A) bathymetric contours without interpolated points, B) sounding points (black) and interpolated points (red), C) bathymetric contours with interpolated points.

To properly compare results from the 1996 TWDB survey of Lake Striker, the TWDB applied anisotropic spatial interpolation to the survey data collected in 1996 (Texas Water Development Board, 2016). The 1996 survey boundary was digitized from U.S. Geological Survey quarter quadrangle maps. The quadrangles covering Lake Striker are New Salem, TX (1973) and New Summerfield, TX (1973) (Texas Water Development Board, 2003). The 1996 re-calculated elevation-capacity table and elevation-area table are presented in Appendices A and B, respectively. The re-calculated capacity curve is presented in Appendix C, and the re-calculated area curve is presented in Appendix D.

Area, volume, and contour calculation

Volumes and areas were computed for the entire reservoir at 0.01-foot intervals, from 263.14 to 293.30 feet for the bathymetric TIN model. The bathymetric elevation-capacity table and bathymetric elevation-area table, based on the 2021 survey and analysis,

are presented in Appendices E and F, respectively. The bathymetric capacity curve is presented in Appendix G, and the bathymetric area curve is presented in Appendix H.

The bathymetric volumetric TIN model was converted to a raster representation using a cell size of 1 foot by 1 foot. The raster data then were used to produce three figures: (1) an elevation relief map representing the topography of the reservoir bottom (Figure 4); (2) a depth range map showing depth ranges for Lake Striker (Figure 5); and (3) a 5-foot contour map (Figure 6).

Figure 4
Lake Striker
Elevation relief map

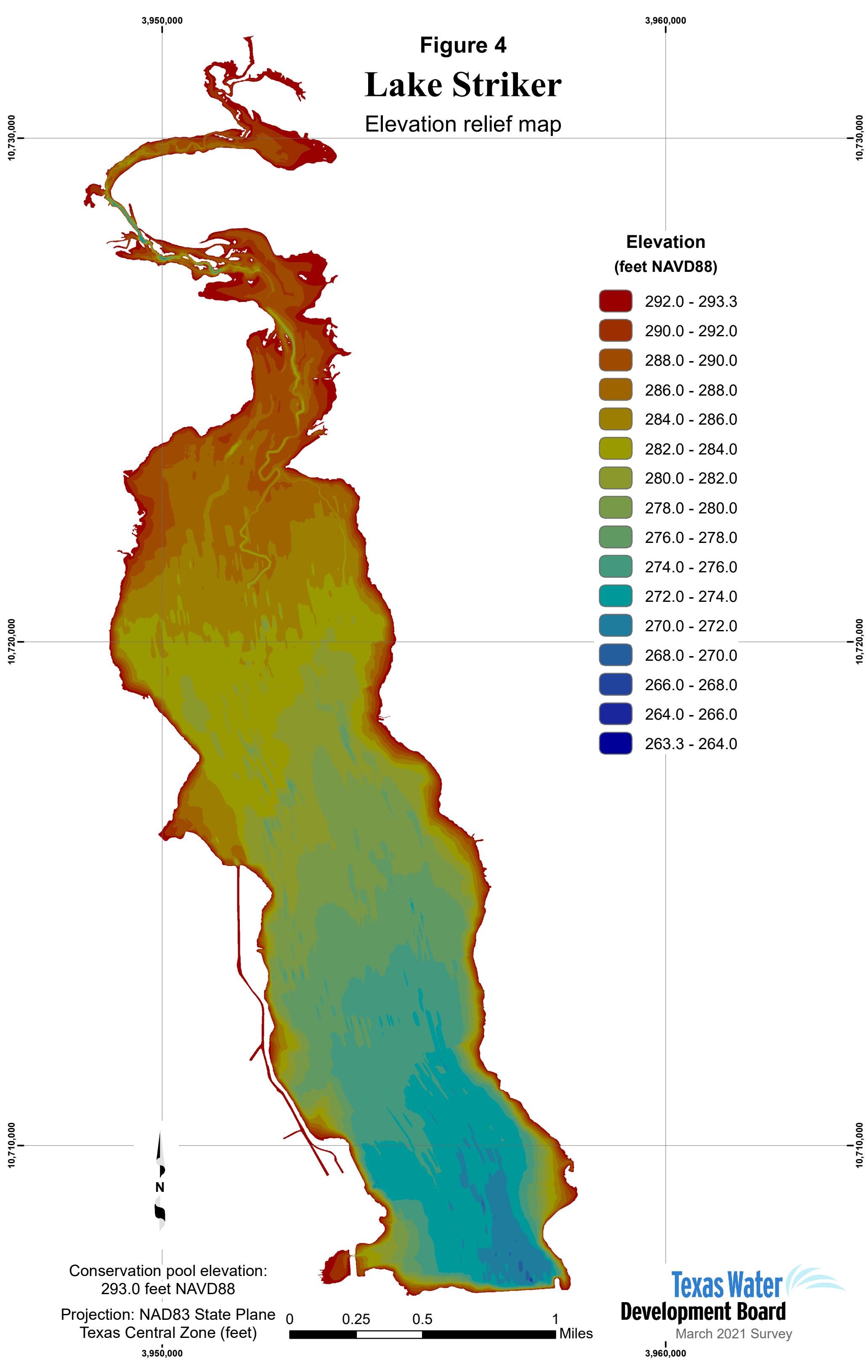
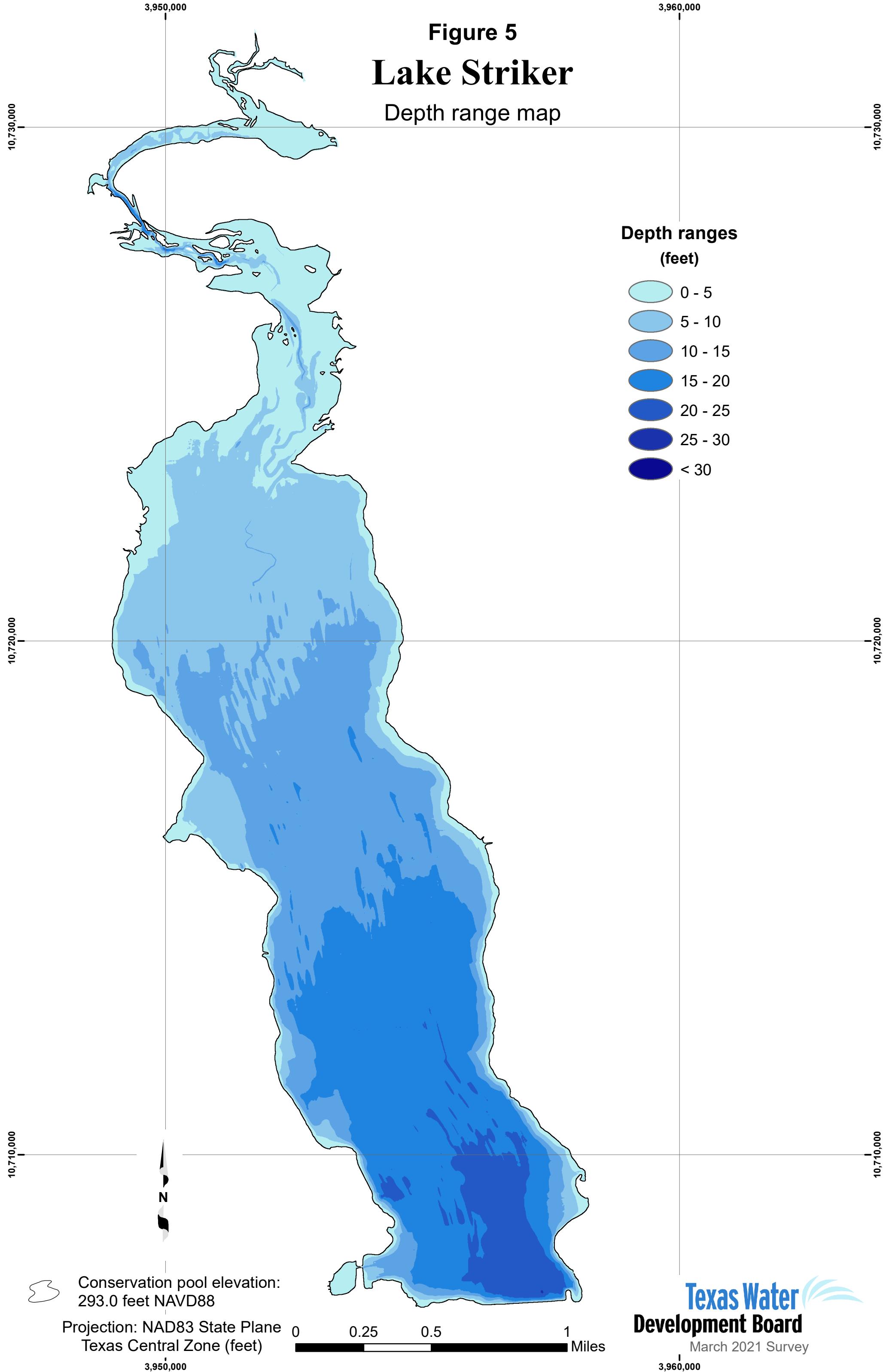


Figure 5
Lake Striker
Depth range map



Survey results

Volumetric survey

The 2021 TWDB volumetric survey indicates that Lake Striker has a total reservoir capacity of 21,799 acre-feet and encompasses 1,954 acres at conservation pool elevation (293.0 feet NAVD88). Current area and capacity estimates are compared to previous area and capacity estimates at different elevations in Table 2. Because of differences in past and present survey methodologies, direct comparison of volumetric surveys to others to estimate loss of area and capacity can be unreliable.

Table 2. Surface area, total capacity, and conservation pool elevation.

| Survey | Surface Area (acres) | Total Capacity (acre-feet) | Conservation pool elevation ^a | Source |
|-------------------------|----------------------|----------------------------|--|-------------------------------------|
| Original design | 2,400 | 26,960 | 292.00 feet NGVD29 | Texas Water Development Board, 1974 |
| TWDB 1996 | 1,920 | 22,865 | 293.00 feet NGVD29 | Texas Water Development Board, 2003 |
| TWDB 1996 re-calculated | 1,920 | 23,094 | 293.00 feet NGVD29 | Texas Water Development Board, 2016 |
| TWDB 2021 | 1,954 | 21,799 | 293.00 feet NAVD88 | |

^a The original conservation pool elevation of Lake Striker was 292.00 feet NGVD29. In subsequent years a 1-foot-tall stop log was added to the top of each tainter gate increasing conservation pool elevation to 293.00 feet NGVD29 (Texas Water Development Board, 2003). Conservation pool elevation 293.00 feet NGVD29 is equivalent to 293.0 feet NAVD88.

Comparison of capacity estimates of Lake Striker derived using differing methodologies are provided in Table 3 for sedimentation rate calculation. Long-term trends indicate Lake Striker loses capacity at an average of 82 acre-feet per year since impoundment due to sedimentation below conservation pool elevation (Figure 7).

Table 3. Average annual capacity loss comparisons.

| Survey | Top of conservation pool elevation | |
|---|------------------------------------|--------|
| Original design ^a | 26,960 | ◊ |
| TWDB 1996 re-calculated ^b | ◊ | 23,094 |
| TWDB 2021 volumetric survey | 21,799 | 21,799 |
| Volume difference (acre-feet) | 5,161 | 1,295 |
| Percent change | 19.1 | 5.6 |
| Number of years | 64 | 25 |
| Capacity loss rate (acre-feet/year) | 80 | 52 |
| Capacity loss rate (acre-feet/square mile of drainage area of 182 square miles /year) | 0.44 | 0.28 |

^a Source: Texas Water Development Board, 1974, Striker Creek Dam was completed, and deliberate impoundment began in 1957.

^b Source: Texas Water Development Board, 2016

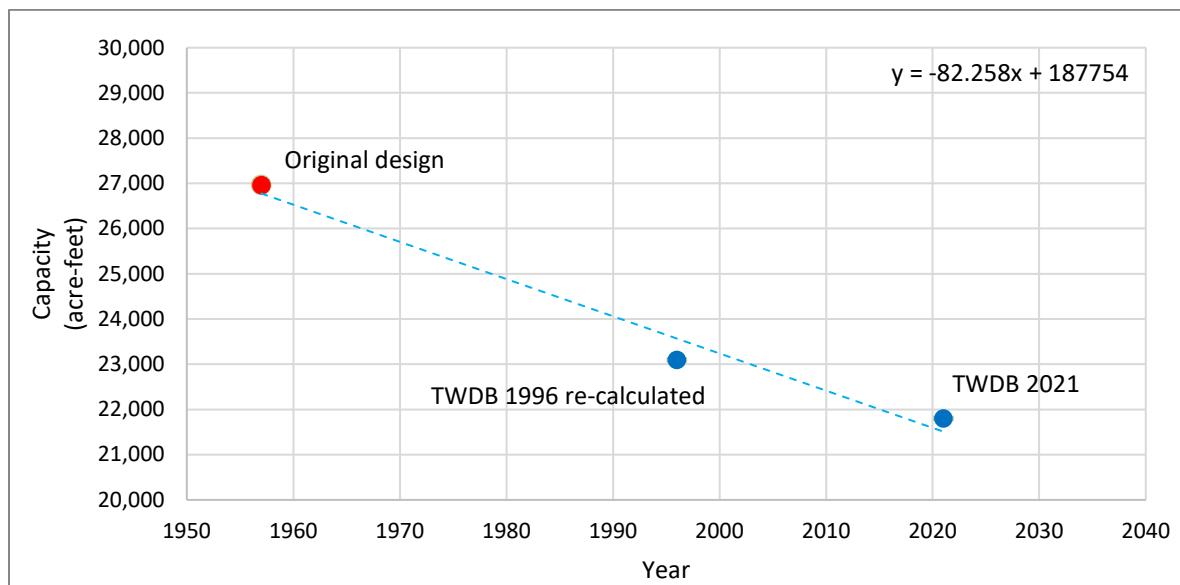


Figure 7. Plot of current and previous capacity estimates (acre-feet). Capacity estimates for each TWDB survey plotted as blue dots and other surveys as red dots. The blue trend line illustrates the total average loss of capacity through 2021.

Sediment range lines

In 1996, the TWDB established three sediment range lines in Lake Striker to estimate sediment accumulation over time. A cross-sectional comparison of the three sediment range lines comparing the current surfaces from the TWDB 2021 survey and the TWDB 1996 re-calculated survey is presented in Appendix I. Appendix I includes a map depicting the locations of the sediment range lines and a list of the endpoint coordinates for

each line (Table I1). Some differences in the cross-sections may be a result of spatial interpolation and the interpolation routine of the TIN Model.

Recommendations

The TWDB recommends that a similar methodology be used to resurvey Lake Striker in 10 years or after a major high flow event. To further improve estimates of capacity loss, TWDB recommends a volumetric and sedimentation survey. Sedimentation surveys include additional analysis of the multi-frequency data for post-impoundment sediment by correlation with sediment core samples and a map identifying the spatial distribution of sediment throughout the reservoir.

TWDB contact information

For more information about the TWDB Hydrographic Survey Program, visit www.twdb.texas.gov/surfacewater/surveys. Any questions regarding the TWDB Hydrographic Survey Program or this report may be addressed to:
Hydrosurvey@twdb.texas.gov.

References

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Appendix A
Striker Creek Reservoir
RESERVOIR CAPACITY TABLE

TEXAS WATER DEVELOPMENT BOARD
CAPACITY IN ACRE-FEET

December 1996 Survey re-calculated October 2016
Conservation Pool Elevation 293.0 feet NGVD29

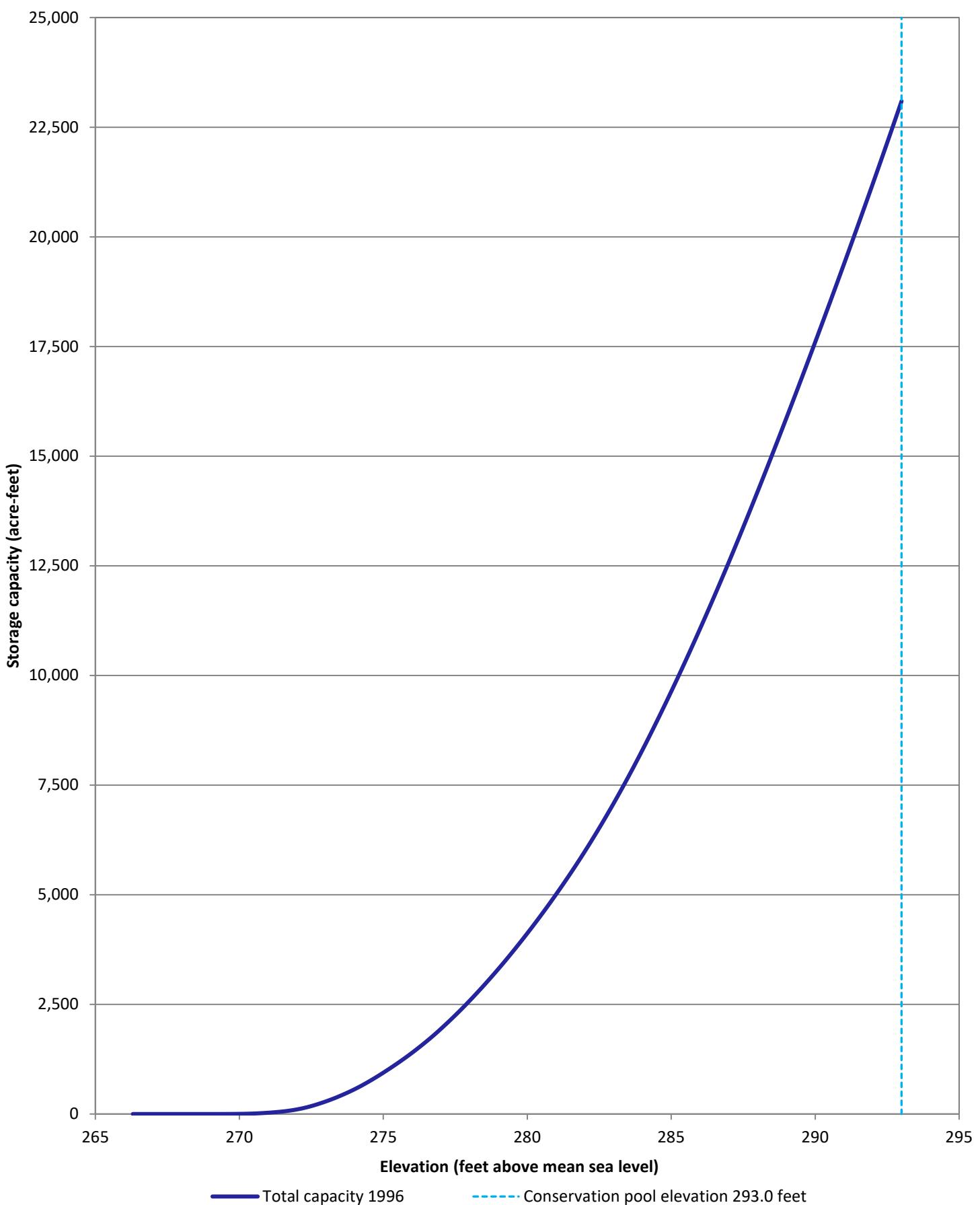
ELEVATION INCREMENT IS ONE TENTH FOOT

Appendix B
Striker Creek Reservoir
RESERVOIR AREA TABLE

TEXAS WATER DEVELOPMENT BOARD
AREA IN ACRES

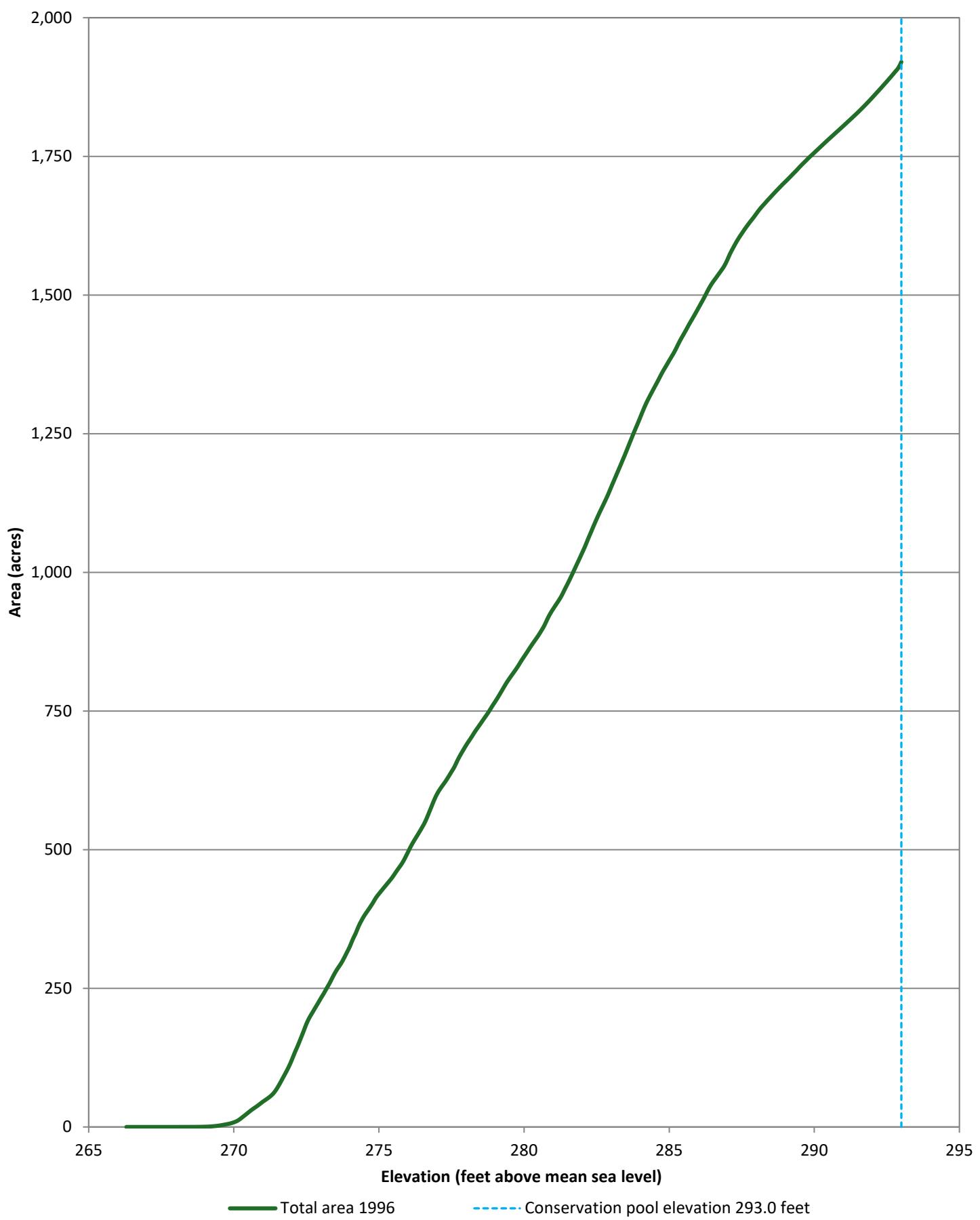
December 1996 Survey re-calculated October 2016
Conservation Pool Elevation 293.0 feet NGVD29

ELEVATION INCREMENT IS ONE TENTH FOOT



Striker Creek Reservoir
December 1996 Survey
re-calculated October 2016
Prepared by: TWDB

Appendix C: 1996 re-calculated capacity curve



Striker Creek Reservoir
December 1996 Survey
re-calculated October 2016
Prepared by: TWDB

Appendix D: 1996 re-calculated area curve

Appendix E
Lake Striker
RESERVOIR CAPACITY TABLE

TEXAS WATER DEVELOPMENT BOARD
CAPACITY IN ACRE-FEET

March 2021 Survey
Conservation pool elevation 293.0 feet NAVD88

ELEVATION INCREMENT IS ONE HUNDREDTH FOOT

Appendix E
Lake Striker
RESERVOIR CAPACITY TABLE (continued)

TEXAS WATER DEVELOPMENT BOARD
 CAPACITY IN ACRE-FEET

March 2021 Survey
 Conservation pool elevation 293.0 feet NAVD88

ELEVATION INCREMENT IS ONE HUNDREDTH FOOT

| ELEVATION (Feet) | 0 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 |
|---------------------|-----|------|------|------|------|------|------|------|------|------|
| 268.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 268.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 268.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 268.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269.8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 269.9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 270 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 270.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 270.2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 270.3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 270.4 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 270.5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 270.6 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 270.7 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 270.8 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 270.9 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 271 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 271.1 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |
| 271.2 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 |
| 271.3 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 10 | 10 | 10 |
| 271.4 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 12 |
| 271.5 | 12 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 15 |
| 271.6 | 15 | 15 | 16 | 16 | 16 | 16 | 17 | 17 | 17 | 17 |
| 271.7 | 18 | 18 | 19 | 19 | 19 | 19 | 20 | 20 | 20 | 21 |
| 271.8 | 21 | 21 | 22 | 22 | 22 | 23 | 23 | 24 | 24 | 24 |
| 271.9 | 25 | 25 | 26 | 26 | 26 | 27 | 27 | 28 | 28 | 28 |
| 272 | 29 | 29 | 30 | 30 | 31 | 31 | 32 | 32 | 33 | 33 |
| 272.1 | 34 | 34 | 35 | 35 | 36 | 36 | 37 | 37 | 38 | 38 |
| 272.2 | 39 | 39 | 40 | 40 | 41 | 41 | 42 | 43 | 43 | 44 |
| 272.3 | 44 | 45 | 46 | 47 | 47 | 48 | 49 | 49 | 50 | 50 |
| 272.4 | 50 | 51 | 52 | 52 | 53 | 54 | 54 | 55 | 56 | 56 |
| 272.5 | 57 | 58 | 58 | 59 | 60 | 61 | 61 | 62 | 63 | 63 |
| 272.6 | 64 | 65 | 66 | 66 | 67 | 68 | 69 | 69 | 70 | 71 |
| 272.7 | 72 | 73 | 73 | 74 | 75 | 76 | 77 | 78 | 78 | 79 |
| 272.8 | 80 | 81 | 82 | 83 | 84 | 84 | 85 | 86 | 87 | 88 |
| 272.9 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 |
| 273 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 108 | 109 |
| 273.1 | 110 | 111 | 112 | 113 | 115 | 116 | 117 | 118 | 119 | 121 |
| 273.2 | 122 | 123 | 125 | 126 | 127 | 128 | 130 | 131 | 132 | 134 |
| 273.3 | 135 | 137 | 138 | 139 | 141 | 142 | 144 | 145 | 147 | 148 |
| 273.4 | 150 | 151 | 153 | 154 | 156 | 157 | 159 | 160 | 162 | 164 |
| 273.5 | 165 | 167 | 168 | 170 | 172 | 173 | 175 | 177 | 178 | 180 |
| 273.6 | 182 | 184 | 185 | 187 | 189 | 191 | 192 | 194 | 196 | 198 |
| 273.7 | 200 | 201 | 203 | 205 | 207 | 209 | 211 | 213 | 215 | 217 |
| 273.8 | 219 | 220 | 222 | 224 | 226 | 228 | 230 | 232 | 234 | 236 |
| 273.9 | 239 | 241 | 243 | 245 | 247 | 249 | 251 | 253 | 255 | 257 |
| 274 | 260 | 262 | 264 | 266 | 268 | 271 | 273 | 275 | 277 | 280 |
| 274.1 | 282 | 284 | 286 | 289 | 291 | 293 | 296 | 298 | 300 | 303 |

Appendix E
Lake Striker
RESERVOIR CAPACITY TABLE (continued)

TEXAS WATER DEVELOPMENT BOARD
 CAPACITY IN ACRE-FEET

March 2021 Survey
 Conservation pool elevation 293.0 feet NAVD88

ELEVATION INCREMENT IS ONE HUNDREDTH FOOT

| ELEVATION (Feet) | 0 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 274.2 | 305 | 307 | 310 | 312 | 314 | 317 | 319 | 322 | 324 | 326 |
| 274.3 | 329 | 331 | 334 | 336 | 339 | 341 | 344 | 346 | 348 | 351 |
| 274.4 | 353 | 356 | 359 | 361 | 364 | 366 | 369 | 371 | 374 | 376 |
| 274.5 | 379 | 382 | 384 | 387 | 389 | 392 | 395 | 397 | 400 | 403 |
| 274.6 | 405 | 408 | 411 | 413 | 416 | 419 | 421 | 424 | 427 | 430 |
| 274.7 | 432 | 435 | 438 | 440 | 443 | 446 | 449 | 452 | 454 | 457 |
| 274.8 | 460 | 463 | 466 | 468 | 471 | 474 | 477 | 480 | 483 | 486 |
| 274.9 | 488 | 491 | 494 | 497 | 500 | 503 | 506 | 509 | 512 | 515 |
| 275 | 518 | 521 | 524 | 527 | 530 | 533 | 536 | 539 | 542 | 545 |
| 275.1 | 548 | 551 | 554 | 557 | 560 | 563 | 566 | 569 | 572 | 575 |
| 275.2 | 578 | 582 | 585 | 588 | 591 | 594 | 597 | 601 | 604 | 607 |
| 275.3 | 610 | 613 | 617 | 620 | 623 | 626 | 630 | 633 | 636 | 640 |
| 275.4 | 643 | 646 | 650 | 653 | 656 | 660 | 663 | 667 | 670 | 673 |
| 275.5 | 677 | 680 | 684 | 687 | 691 | 694 | 698 | 701 | 705 | 708 |
| 275.6 | 712 | 715 | 719 | 722 | 726 | 730 | 733 | 737 | 741 | 744 |
| 275.7 | 748 | 751 | 755 | 759 | 762 | 766 | 770 | 774 | 777 | 781 |
| 275.8 | 785 | 789 | 792 | 796 | 800 | 804 | 808 | 811 | 815 | 819 |
| 275.9 | 823 | 827 | 831 | 835 | 839 | 843 | 846 | 850 | 854 | 858 |
| 276 | 862 | 866 | 870 | 874 | 878 | 882 | 886 | 890 | 894 | 898 |
| 276.1 | 903 | 907 | 911 | 915 | 919 | 923 | 927 | 931 | 935 | 940 |
| 276.2 | 944 | 948 | 952 | 956 | 960 | 965 | 969 | 973 | 977 | 981 |
| 276.3 | 986 | 990 | 994 | 998 | 1,003 | 1,007 | 1,011 | 1,016 | 1,020 | 1,024 |
| 276.4 | 1,028 | 1,033 | 1,037 | 1,041 | 1,046 | 1,050 | 1,054 | 1,059 | 1,063 | 1,067 |
| 276.5 | 1,072 | 1,076 | 1,081 | 1,085 | 1,089 | 1,094 | 1,098 | 1,103 | 1,107 | 1,112 |
| 276.6 | 1,116 | 1,121 | 1,125 | 1,129 | 1,134 | 1,138 | 1,143 | 1,147 | 1,152 | 1,156 |
| 276.7 | 1,161 | 1,166 | 1,170 | 1,175 | 1,179 | 1,184 | 1,188 | 1,193 | 1,197 | 1,202 |
| 276.8 | 1,207 | 1,211 | 1,216 | 1,220 | 1,225 | 1,230 | 1,234 | 1,239 | 1,243 | 1,248 |
| 276.9 | 1,253 | 1,257 | 1,262 | 1,267 | 1,271 | 1,276 | 1,281 | 1,285 | 1,290 | 1,295 |
| 277 | 1,300 | 1,304 | 1,309 | 1,314 | 1,319 | 1,323 | 1,328 | 1,333 | 1,338 | 1,343 |
| 277.1 | 1,347 | 1,352 | 1,357 | 1,362 | 1,367 | 1,372 | 1,376 | 1,381 | 1,386 | 1,391 |
| 277.2 | 1,396 | 1,401 | 1,406 | 1,411 | 1,416 | 1,421 | 1,426 | 1,431 | 1,436 | 1,441 |
| 277.3 | 1,446 | 1,451 | 1,456 | 1,461 | 1,466 | 1,471 | 1,476 | 1,481 | 1,487 | 1,492 |
| 277.4 | 1,497 | 1,502 | 1,507 | 1,512 | 1,518 | 1,523 | 1,528 | 1,533 | 1,539 | 1,544 |
| 277.5 | 1,549 | 1,554 | 1,560 | 1,565 | 1,570 | 1,576 | 1,581 | 1,586 | 1,592 | 1,597 |
| 277.6 | 1,603 | 1,608 | 1,613 | 1,619 | 1,624 | 1,630 | 1,635 | 1,640 | 1,646 | 1,651 |
| 277.7 | 1,657 | 1,662 | 1,668 | 1,673 | 1,679 | 1,684 | 1,690 | 1,696 | 1,701 | 1,707 |
| 277.8 | 1,712 | 1,718 | 1,724 | 1,729 | 1,735 | 1,740 | 1,746 | 1,752 | 1,758 | 1,763 |
| 277.9 | 1,769 | 1,775 | 1,780 | 1,786 | 1,792 | 1,798 | 1,803 | 1,809 | 1,815 | 1,821 |
| 278 | 1,826 | 1,832 | 1,838 | 1,844 | 1,850 | 1,856 | 1,862 | 1,867 | 1,873 | 1,879 |
| 278.1 | 1,885 | 1,891 | 1,897 | 1,903 | 1,909 | 1,915 | 1,921 | 1,927 | 1,933 | 1,939 |
| 278.2 | 1,945 | 1,951 | 1,957 | 1,963 | 1,969 | 1,975 | 1,981 | 1,987 | 1,993 | 1,999 |
| 278.3 | 2,005 | 2,011 | 2,018 | 2,024 | 2,030 | 2,036 | 2,042 | 2,048 | 2,055 | 2,061 |
| 278.4 | 2,067 | 2,073 | 2,079 | 2,086 | 2,092 | 2,098 | 2,104 | 2,111 | 2,117 | 2,123 |
| 278.5 | 2,130 | 2,136 | 2,142 | 2,149 | 2,155 | 2,161 | 2,168 | 2,174 | 2,180 | 2,187 |
| 278.6 | 2,193 | 2,200 | 2,206 | 2,212 | 2,219 | 2,225 | 2,232 | 2,238 | 2,245 | 2,251 |
| 278.7 | 2,257 | 2,264 | 2,270 | 2,277 | 2,283 | 2,290 | 2,296 | 2,303 | 2,310 | 2,316 |
| 278.8 | 2,323 | 2,329 | 2,336 | 2,342 | 2,349 | 2,355 | 2,362 | 2,369 | 2,375 | 2,382 |
| 278.9 | 2,389 | 2,395 | 2,402 | 2,409 | 2,415 | 2,422 | 2,429 | 2,435 | 2,442 | 2,449 |
| 279 | 2,455 | 2,462 | 2,469 | 2,476 | 2,482 | 2,489 | 2,496 | 2,503 | 2,510 | 2,516 |
| 279.1 | 2,523 | 2,530 | 2,537 | 2,544 | 2,551 | 2,558 | 2,565 | 2,571 | 2,578 | 2,585 |
| 279.2 | 2,592 | 2,599 | 2,606 | 2,613 | 2,620 | 2,627 | 2,634 | 2,641 | 2,648 | 2,655 |
| 279.3 | 2,662 | 2,669 | 2,676 | 2,684 | 2,691 | 2,698 | 2,705 | 2,712 | 2,719 | 2,726 |
| 279.4 | 2,733 | 2,741 | 2,748 | 2,755 | 2,762 | 2,769 | 2,777 | 2,784 | 2,791 | 2,798 |
| 279.5 | 2,806 | 2,813 | 2,820 | 2,827 | 2,835 | 2,842 | 2,849 | 2,857 | 2,864 | 2,871 |
| 279.6 | 2,879 | 2,886 | 2,893 | 2,901 | 2,908 | 2,916 | 2,923 | 2,930 | 2,938 | 2,945 |
| 279.7 | 2,953 | 2,960 | 2,968 | 2,975 | 2,983 | 2,990 | 2,998 | 3,005 | 3,013 | 3,020 |

Appendix E
Lake Striker
RESERVOIR CAPACITY TABLE (continued)

TEXAS WATER DEVELOPMENT BOARD
 CAPACITY IN ACRE-FEET

March 2021 Survey
 Conservation pool elevation 293.0 feet NAVD88

ELEVATION INCREMENT IS ONE HUNDREDTH FOOT

| ELEVATION (Feet) | 0 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 279.8 | 3,028 | 3,036 | 3,043 | 3,051 | 3,058 | 3,066 | 3,074 | 3,081 | 3,089 | 3,097 |
| 279.9 | 3,104 | 3,112 | 3,120 | 3,127 | 3,135 | 3,143 | 3,151 | 3,158 | 3,166 | 3,174 |
| 280 | 3,182 | 3,189 | 3,197 | 3,205 | 3,213 | 3,221 | 3,228 | 3,236 | 3,244 | 3,252 |
| 280.1 | 3,260 | 3,268 | 3,276 | 3,283 | 3,291 | 3,299 | 3,307 | 3,315 | 3,323 | 3,331 |
| 280.2 | 3,339 | 3,347 | 3,355 | 3,363 | 3,371 | 3,379 | 3,387 | 3,395 | 3,403 | 3,411 |
| 280.3 | 3,419 | 3,427 | 3,435 | 3,443 | 3,451 | 3,459 | 3,467 | 3,475 | 3,483 | 3,491 |
| 280.4 | 3,499 | 3,508 | 3,516 | 3,524 | 3,532 | 3,540 | 3,548 | 3,557 | 3,565 | 3,573 |
| 280.5 | 3,581 | 3,589 | 3,598 | 3,606 | 3,614 | 3,623 | 3,631 | 3,639 | 3,647 | 3,656 |
| 280.6 | 3,664 | 3,672 | 3,681 | 3,689 | 3,698 | 3,706 | 3,714 | 3,723 | 3,731 | 3,740 |
| 280.7 | 3,748 | 3,757 | 3,765 | 3,773 | 3,782 | 3,790 | 3,799 | 3,807 | 3,816 | 3,824 |
| 280.8 | 3,833 | 3,842 | 3,850 | 3,859 | 3,867 | 3,876 | 3,884 | 3,893 | 3,902 | 3,910 |
| 280.9 | 3,919 | 3,927 | 3,936 | 3,945 | 3,953 | 3,962 | 3,971 | 3,979 | 3,988 | 3,997 |
| 281 | 4,006 | 4,014 | 4,023 | 4,032 | 4,041 | 4,049 | 4,058 | 4,067 | 4,076 | 4,084 |
| 281.1 | 4,093 | 4,102 | 4,111 | 4,120 | 4,128 | 4,137 | 4,146 | 4,155 | 4,164 | 4,173 |
| 281.2 | 4,182 | 4,191 | 4,199 | 4,208 | 4,217 | 4,226 | 4,235 | 4,244 | 4,253 | 4,262 |
| 281.3 | 4,271 | 4,280 | 4,289 | 4,298 | 4,307 | 4,316 | 4,325 | 4,334 | 4,343 | 4,352 |
| 281.4 | 4,361 | 4,370 | 4,379 | 4,388 | 4,397 | 4,406 | 4,415 | 4,425 | 4,434 | 4,443 |
| 281.5 | 4,452 | 4,461 | 4,470 | 4,480 | 4,489 | 4,498 | 4,507 | 4,516 | 4,526 | 4,535 |
| 281.6 | 4,544 | 4,553 | 4,563 | 4,572 | 4,581 | 4,590 | 4,600 | 4,609 | 4,618 | 4,628 |
| 281.7 | 4,637 | 4,646 | 4,656 | 4,665 | 4,675 | 4,684 | 4,693 | 4,703 | 4,712 | 4,722 |
| 281.8 | 4,731 | 4,741 | 4,750 | 4,759 | 4,769 | 4,778 | 4,788 | 4,797 | 4,807 | 4,816 |
| 281.9 | 4,826 | 4,835 | 4,845 | 4,854 | 4,864 | 4,874 | 4,883 | 4,893 | 4,902 | 4,912 |
| 282 | 4,922 | 4,931 | 4,941 | 4,950 | 4,960 | 4,970 | 4,979 | 4,989 | 4,999 | 5,008 |
| 282.1 | 5,018 | 5,028 | 5,037 | 5,047 | 5,057 | 5,067 | 5,076 | 5,086 | 5,096 | 5,106 |
| 282.2 | 5,116 | 5,125 | 5,135 | 5,145 | 5,155 | 5,165 | 5,175 | 5,185 | 5,194 | 5,204 |
| 282.3 | 5,214 | 5,224 | 5,234 | 5,244 | 5,254 | 5,264 | 5,274 | 5,284 | 5,294 | 5,304 |
| 282.4 | 5,314 | 5,324 | 5,334 | 5,344 | 5,355 | 5,365 | 5,375 | 5,385 | 5,395 | 5,405 |
| 282.5 | 5,415 | 5,426 | 5,436 | 5,446 | 5,456 | 5,467 | 5,477 | 5,487 | 5,497 | 5,508 |
| 282.6 | 5,518 | 5,528 | 5,539 | 5,549 | 5,560 | 5,570 | 5,580 | 5,591 | 5,601 | 5,612 |
| 282.7 | 5,622 | 5,633 | 5,643 | 5,654 | 5,664 | 5,675 | 5,685 | 5,696 | 5,707 | 5,717 |
| 282.8 | 5,728 | 5,738 | 5,749 | 5,760 | 5,770 | 5,781 | 5,792 | 5,803 | 5,813 | 5,824 |
| 282.9 | 5,835 | 5,846 | 5,856 | 5,867 | 5,878 | 5,889 | 5,900 | 5,911 | 5,922 | 5,932 |
| 283 | 5,943 | 5,954 | 5,965 | 5,976 | 5,987 | 5,998 | 6,009 | 6,020 | 6,031 | 6,042 |
| 283.1 | 6,053 | 6,064 | 6,075 | 6,086 | 6,097 | 6,108 | 6,119 | 6,130 | 6,141 | 6,153 |
| 283.2 | 6,164 | 6,175 | 6,186 | 6,197 | 6,208 | 6,220 | 6,231 | 6,242 | 6,253 | 6,265 |
| 283.3 | 6,276 | 6,287 | 6,298 | 6,310 | 6,321 | 6,332 | 6,344 | 6,355 | 6,366 | 6,378 |
| 283.4 | 6,389 | 6,401 | 6,412 | 6,424 | 6,435 | 6,446 | 6,458 | 6,469 | 6,481 | 6,492 |
| 283.5 | 6,504 | 6,516 | 6,527 | 6,539 | 6,550 | 6,562 | 6,573 | 6,585 | 6,597 | 6,608 |
| 283.6 | 6,620 | 6,632 | 6,644 | 6,655 | 6,667 | 6,679 | 6,690 | 6,702 | 6,714 | 6,726 |
| 283.7 | 6,738 | 6,749 | 6,761 | 6,773 | 6,785 | 6,797 | 6,809 | 6,821 | 6,833 | 6,844 |
| 283.8 | 6,856 | 6,868 | 6,880 | 6,892 | 6,904 | 6,916 | 6,928 | 6,940 | 6,952 | 6,964 |
| 283.9 | 6,976 | 6,988 | 7,000 | 7,012 | 7,025 | 7,037 | 7,049 | 7,061 | 7,073 | 7,085 |
| 284 | 7,097 | 7,109 | 7,122 | 7,134 | 7,146 | 7,158 | 7,170 | 7,183 | 7,195 | 7,207 |
| 284.1 | 7,219 | 7,232 | 7,244 | 7,256 | 7,269 | 7,281 | 7,293 | 7,306 | 7,318 | 7,330 |
| 284.2 | 7,343 | 7,355 | 7,367 | 7,380 | 7,392 | 7,405 | 7,417 | 7,430 | 7,442 | 7,455 |
| 284.3 | 7,467 | 7,480 | 7,492 | 7,505 | 7,517 | 7,530 | 7,542 | 7,555 | 7,567 | 7,580 |
| 284.4 | 7,593 | 7,605 | 7,618 | 7,631 | 7,643 | 7,656 | 7,669 | 7,681 | 7,694 | 7,707 |
| 284.5 | 7,720 | 7,732 | 7,745 | 7,758 | 7,771 | 7,783 | 7,796 | 7,809 | 7,822 | 7,835 |
| 284.6 | 7,848 | 7,861 | 7,873 | 7,886 | 7,899 | 7,912 | 7,925 | 7,938 | 7,951 | 7,964 |
| 284.7 | 7,977 | 7,990 | 8,003 | 8,016 | 8,029 | 8,042 | 8,055 | 8,068 | 8,081 | 8,094 |
| 284.8 | 8,108 | 8,121 | 8,134 | 8,147 | 8,160 | 8,173 | 8,186 | 8,200 | 8,213 | 8,226 |
| 284.9 | 8,239 | 8,252 | 8,266 | 8,279 | 8,292 | 8,305 | 8,319 | 8,332 | 8,345 | 8,358 |
| 285 | 8,372 | 8,385 | 8,398 | 8,412 | 8,425 | 8,439 | 8,452 | 8,465 | 8,479 | 8,492 |
| 285.1 | 8,506 | 8,519 | 8,532 | 8,546 | 8,559 | 8,573 | 8,586 | 8,600 | 8,613 | 8,627 |
| 285.2 | 8,640 | 8,654 | 8,667 | 8,681 | 8,695 | 8,708 | 8,722 | 8,735 | 8,749 | 8,763 |
| 285.3 | 8,776 | 8,790 | 8,803 | 8,817 | 8,831 | 8,845 | 8,858 | 8,872 | 8,886 | 8,899 |

Appendix E
Lake Striker
RESERVOIR CAPACITY TABLE (continued)

TEXAS WATER DEVELOPMENT BOARD
 CAPACITY IN ACRE-FEET

March 2021 Survey
 Conservation pool elevation 293.0 feet NAVD88

ELEVATION INCREMENT IS ONE HUNDREDTH FOOT

| ELEVATION (Feet) | 0 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 |
|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 285.4 | 8,913 | 8,927 | 8,941 | 8,954 | 8,968 | 8,982 | 8,996 | 9,010 | 9,023 | 9,037 |
| 285.5 | 9,051 | 9,065 | 9,079 | 9,093 | 9,107 | 9,120 | 9,134 | 9,148 | 9,162 | 9,176 |
| 285.6 | 9,190 | 9,204 | 9,218 | 9,232 | 9,246 | 9,260 | 9,274 | 9,288 | 9,302 | 9,316 |
| 285.7 | 9,330 | 9,344 | 9,358 | 9,372 | 9,386 | 9,400 | 9,414 | 9,429 | 9,443 | 9,457 |
| 285.8 | 9,471 | 9,485 | 9,499 | 9,513 | 9,528 | 9,542 | 9,556 | 9,570 | 9,584 | 9,599 |
| 285.9 | 9,613 | 9,627 | 9,641 | 9,656 | 9,670 | 9,684 | 9,698 | 9,713 | 9,727 | 9,741 |
| 286 | 9,756 | 9,770 | 9,784 | 9,799 | 9,813 | 9,828 | 9,842 | 9,856 | 9,871 | 9,885 |
| 286.1 | 9,900 | 9,914 | 9,928 | 9,943 | 9,957 | 9,972 | 9,986 | 10,001 | 10,015 | 10,030 |
| 286.2 | 10,044 | 10,059 | 10,073 | 10,088 | 10,103 | 10,117 | 10,132 | 10,146 | 10,161 | 10,175 |
| 286.3 | 10,190 | 10,205 | 10,219 | 10,234 | 10,249 | 10,263 | 10,278 | 10,293 | 10,307 | 10,322 |
| 286.4 | 10,337 | 10,351 | 10,366 | 10,381 | 10,396 | 10,410 | 10,425 | 10,440 | 10,455 | 10,469 |
| 286.5 | 10,484 | 10,499 | 10,514 | 10,529 | 10,544 | 10,558 | 10,573 | 10,588 | 10,603 | 10,618 |
| 286.6 | 10,633 | 10,648 | 10,663 | 10,678 | 10,692 | 10,707 | 10,722 | 10,737 | 10,752 | 10,767 |
| 286.7 | 10,782 | 10,797 | 10,812 | 10,827 | 10,842 | 10,857 | 10,872 | 10,887 | 10,903 | 10,918 |
| 286.8 | 10,933 | 10,948 | 10,963 | 10,978 | 10,993 | 11,008 | 11,023 | 11,039 | 11,054 | 11,069 |
| 286.9 | 11,084 | 11,099 | 11,115 | 11,130 | 11,145 | 11,160 | 11,175 | 11,191 | 11,206 | 11,221 |
| 287 | 11,237 | 11,252 | 11,267 | 11,282 | 11,298 | 11,313 | 11,328 | 11,344 | 11,359 | 11,375 |
| 287.1 | 11,390 | 11,405 | 11,421 | 11,436 | 11,451 | 11,467 | 11,482 | 11,498 | 11,513 | 11,529 |
| 287.2 | 11,544 | 11,560 | 11,575 | 11,591 | 11,606 | 11,622 | 11,637 | 11,653 | 11,668 | 11,684 |
| 287.3 | 11,699 | 11,715 | 11,730 | 11,746 | 11,762 | 11,777 | 11,793 | 11,808 | 11,824 | 11,840 |
| 287.4 | 11,855 | 11,871 | 11,887 | 11,902 | 11,918 | 11,934 | 11,949 | 11,965 | 11,981 | 11,997 |
| 287.5 | 12,012 | 12,028 | 12,044 | 12,060 | 12,075 | 12,091 | 12,107 | 12,123 | 12,139 | 12,154 |
| 287.6 | 12,170 | 12,186 | 12,202 | 12,218 | 12,234 | 12,250 | 12,265 | 12,281 | 12,297 | 12,313 |
| 287.7 | 12,329 | 12,345 | 12,361 | 12,377 | 12,393 | 12,409 | 12,425 | 12,441 | 12,457 | 12,473 |
| 287.8 | 12,489 | 12,505 | 12,521 | 12,537 | 12,553 | 12,569 | 12,585 | 12,601 | 12,618 | 12,634 |
| 287.9 | 12,650 | 12,666 | 12,682 | 12,698 | 12,714 | 12,731 | 12,747 | 12,763 | 12,779 | 12,795 |
| 288 | 12,811 | 12,828 | 12,844 | 12,860 | 12,876 | 12,893 | 12,909 | 12,925 | 12,941 | 12,958 |
| 288.1 | 12,974 | 12,990 | 13,007 | 13,023 | 13,039 | 13,056 | 13,072 | 13,088 | 13,105 | 13,121 |
| 288.2 | 13,137 | 13,154 | 13,170 | 13,187 | 13,203 | 13,220 | 13,236 | 13,252 | 13,269 | 13,285 |
| 288.3 | 13,302 | 13,318 | 13,335 | 13,351 | 13,368 | 13,384 | 13,401 | 13,417 | 13,434 | 13,450 |
| 288.4 | 13,467 | 13,483 | 13,500 | 13,517 | 13,533 | 13,550 | 13,566 | 13,583 | 13,599 | 13,616 |
| 288.5 | 13,633 | 13,649 | 13,666 | 13,683 | 13,699 | 13,716 | 13,733 | 13,749 | 13,766 | 13,783 |
| 288.6 | 13,799 | 13,816 | 13,833 | 13,849 | 13,866 | 13,883 | 13,900 | 13,916 | 13,933 | 13,950 |
| 288.7 | 13,967 | 13,984 | 14,000 | 14,017 | 14,034 | 14,051 | 14,068 | 14,084 | 14,101 | 14,118 |
| 288.8 | 14,135 | 14,152 | 14,169 | 14,186 | 14,203 | 14,219 | 14,236 | 14,253 | 14,270 | 14,287 |
| 288.9 | 14,304 | 14,321 | 14,338 | 14,355 | 14,372 | 14,389 | 14,406 | 14,423 | 14,440 | 14,457 |
| 289 | 14,474 | 14,491 | 14,508 | 14,525 | 14,542 | 14,559 | 14,576 | 14,593 | 14,610 | 14,627 |
| 289.1 | 14,644 | 14,661 | 14,679 | 14,696 | 14,713 | 14,730 | 14,747 | 14,764 | 14,781 | 14,798 |
| 289.2 | 14,816 | 14,833 | 14,850 | 14,867 | 14,884 | 14,902 | 14,919 | 14,936 | 14,953 | 14,970 |
| 289.3 | 14,988 | 15,005 | 15,022 | 15,039 | 15,057 | 15,074 | 15,091 | 15,108 | 15,126 | 15,143 |
| 289.4 | 15,160 | 15,178 | 15,195 | 15,212 | 15,230 | 15,247 | 15,264 | 15,282 | 15,299 | 15,316 |
| 289.5 | 15,334 | 15,351 | 15,369 | 15,386 | 15,403 | 15,421 | 15,438 | 15,456 | 15,473 | 15,491 |
| 289.6 | 15,508 | 15,526 | 15,543 | 15,561 | 15,578 | 15,596 | 15,613 | 15,631 | 15,648 | 15,666 |
| 289.7 | 15,683 | 15,701 | 15,718 | 15,736 | 15,754 | 15,771 | 15,789 | 15,806 | 15,824 | 15,842 |
| 289.8 | 15,859 | 15,877 | 15,894 | 15,912 | 15,930 | 15,947 | 15,965 | 15,983 | 16,001 | 16,018 |
| 289.9 | 16,036 | 16,054 | 16,071 | 16,089 | 16,107 | 16,125 | 16,142 | 16,160 | 16,178 | 16,196 |
| 290 | 16,213 | 16,231 | 16,249 | 16,267 | 16,285 | 16,303 | 16,320 | 16,338 | 16,356 | 16,374 |
| 290.1 | 16,392 | 16,410 | 16,427 | 16,445 | 16,463 | 16,481 | 16,499 | 16,517 | 16,535 | 16,553 |
| 290.2 | 16,571 | 16,589 | 16,607 | 16,624 | 16,642 | 16,660 | 16,678 | 16,696 | 16,714 | 16,732 |
| 290.3 | 16,750 | 16,768 | 16,786 | 16,804 | 16,822 | 16,840 | 16,858 | 16,876 | 16,894 | 16,912 |
| 290.4 | 16,930 | 16,948 | 16,966 | 16,984 | 17,003 | 17,021 | 17,039 | 17,057 | 17,075 | 17,093 |
| 290.5 | 17,111 | 17,129 | 17,147 | 17,165 | 17,183 | 17,201 | 17,220 | 17,238 | 17,256 | 17,274 |
| 290.6 | 17,292 | 17,310 | 17,328 | 17,346 | 17,365 | 17,383 | 17,401 | 17,419 | 17,437 | 17,456 |
| 290.7 | 17,474 | 17,492 | 17,510 | 17,528 | 17,546 | 17,565 | 17,583 | 17,601 | 17,619 | 17,638 |
| 290.8 | 17,656 | 17,674 | 17,692 | 17,711 | 17,729 | 17,747 | 17,765 | 17,784 | 17,802 | 17,820 |
| 290.9 | 17,838 | 17,857 | 17,875 | 17,893 | 17,912 | 17,930 | 17,948 | 17,967 | 17,985 | 18,003 |

Appendix E
Lake Striker
RESERVOIR CAPACITY TABLE (continued)

TEXAS WATER DEVELOPMENT BOARD

CAPACITY IN ACRE-FEET

March 2021 Survey
Conservation pool elevation 293.0 feet NAVD88

ELEVATION INCREMENT IS ONE HUNDREDTH FOOT

Appendix F
Lake Striker
RESERVOIR AREA TABLE

**TEXAS WATER DEVELOPMENT BOARD
AREA IN ACRES**

March 2021 Survey
Conservation pool elevation 293.0 feet NAVD88

ELEVATION INCREMENT IS ONE HUNDREDTH FOOT

Appendix F
Lake Striker
RESERVOIR AREA TABLE (continued)
 TEXAS WATER DEVELOPMENT BOARD
 AREA IN ACRES
 ELEVATION INCREMENT IS ONE HUNDREDTH FOOT

March 2021 Survey

Conservation pool elevation 293.0 feet NAVD88

| ELEVATION (Feet) | 0 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 |
|---------------------|-----|------|------|------|------|------|------|------|------|------|
| 268.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 268.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 268.8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 268.9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 269.6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 269.7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 269.8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 269.9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 270 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 270.1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| 270.2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 270.3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 270.4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 270.5 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| 270.6 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| 270.7 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |
| 270.8 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| 270.9 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 9 | 9 |
| 271 | 9 | 9 | 9 | 10 | 10 | 10 | 11 | 11 | 11 | 11 |
| 271.1 | 12 | 12 | 12 | 13 | 13 | 13 | 14 | 14 | 14 | 14 |
| 271.2 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 | 17 | 17 |
| 271.3 | 17 | 18 | 18 | 18 | 18 | 19 | 19 | 19 | 20 | 20 |
| 271.4 | 20 | 21 | 21 | 21 | 22 | 22 | 22 | 22 | 23 | 23 |
| 271.5 | 23 | 24 | 24 | 25 | 25 | 25 | 25 | 26 | 26 | 26 |
| 271.6 | 27 | 27 | 28 | 28 | 29 | 29 | 29 | 29 | 30 | 30 |
| 271.7 | 31 | 31 | 32 | 32 | 33 | 33 | 33 | 33 | 34 | 34 |
| 271.8 | 35 | 35 | 36 | 36 | 37 | 37 | 37 | 38 | 38 | 39 |
| 271.9 | 39 | 40 | 41 | 41 | 42 | 42 | 42 | 43 | 43 | 44 |
| 272 | 44 | 45 | 46 | 46 | 47 | 47 | 47 | 48 | 48 | 48 |
| 272.1 | 49 | 49 | 50 | 50 | 51 | 51 | 52 | 52 | 53 | 53 |
| 272.2 | 54 | 54 | 55 | 55 | 56 | 56 | 57 | 57 | 58 | 58 |
| 272.3 | 59 | 59 | 60 | 60 | 61 | 61 | 62 | 62 | 63 | 63 |
| 272.4 | 64 | 64 | 65 | 65 | 66 | 66 | 67 | 67 | 68 | 68 |
| 272.5 | 69 | 69 | 70 | 70 | 71 | 71 | 72 | 72 | 73 | 73 |
| 272.6 | 74 | 74 | 75 | 75 | 76 | 76 | 77 | 77 | 78 | 79 |
| 272.7 | 79 | 80 | 81 | 81 | 82 | 83 | 84 | 84 | 85 | 86 |
| 272.8 | 86 | 87 | 88 | 89 | 89 | 90 | 91 | 92 | 92 | 93 |
| 272.9 | 94 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 |
| 273 | 103 | 105 | 106 | 107 | 108 | 109 | 111 | 112 | 113 | 114 |
| 273.1 | 115 | 116 | 117 | 119 | 120 | 121 | 122 | 123 | 124 | 126 |
| 273.2 | 127 | 128 | 129 | 130 | 131 | 133 | 134 | 135 | 136 | 137 |
| 273.3 | 138 | 139 | 140 | 141 | 143 | 144 | 145 | 146 | 148 | 149 |
| 273.4 | 150 | 151 | 152 | 153 | 154 | 155 | 157 | 158 | 159 | 160 |
| 273.5 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 172 |
| 273.6 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 |
| 273.7 | 183 | 184 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 |
| 273.8 | 194 | 195 | 196 | 198 | 199 | 200 | 201 | 202 | 203 | 204 |
| 273.9 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 214 | 215 | 216 |
| 274 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 |
| 274.1 | 227 | 228 | 228 | 229 | 230 | 231 | 232 | 233 | 233 | 234 |

Appendix F
Lake Striker
RESERVOIR AREA TABLE (continued)

TEXAS WATER DEVELOPMENT BOARD
 AREA IN ACRES

March 2021 Survey
 Conservation pool elevation 293.0 feet NAVD88

ELEVATION INCREMENT IS ONE HUNDREDTH FOOT

| ELEVATION (Feet) | 0 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 |
|---------------------|-----|------|------|------|------|------|------|------|------|------|
| 274.2 | 235 | 236 | 237 | 237 | 238 | 239 | 239 | 240 | 241 | 242 |
| 274.3 | 243 | 244 | 245 | 245 | 246 | 247 | 248 | 249 | 250 | 251 |
| 274.4 | 252 | 252 | 253 | 254 | 255 | 256 | 256 | 257 | 258 | 258 |
| 274.5 | 259 | 260 | 261 | 261 | 262 | 263 | 263 | 264 | 265 | 265 |
| 274.6 | 266 | 266 | 267 | 268 | 268 | 269 | 270 | 271 | 272 | 272 |
| 274.7 | 273 | 274 | 275 | 275 | 276 | 277 | 278 | 278 | 279 | 280 |
| 274.8 | 281 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 |
| 274.9 | 289 | 290 | 291 | 291 | 292 | 293 | 294 | 294 | 295 | 296 |
| 275 | 297 | 297 | 298 | 299 | 299 | 300 | 301 | 302 | 302 | 303 |
| 275.1 | 304 | 305 | 305 | 306 | 307 | 308 | 308 | 309 | 310 | 311 |
| 275.2 | 312 | 312 | 313 | 314 | 315 | 316 | 318 | 319 | 320 | 321 |
| 275.3 | 323 | 324 | 325 | 326 | 328 | 329 | 330 | 331 | 332 | 333 |
| 275.4 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 |
| 275.5 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 |
| 275.6 | 354 | 355 | 356 | 357 | 358 | 360 | 361 | 362 | 363 | 364 |
| 275.7 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 373 | 374 | 375 |
| 275.8 | 376 | 377 | 378 | 380 | 381 | 382 | 383 | 384 | 385 | 386 |
| 275.9 | 387 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 |
| 276 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 406 |
| 276.1 | 407 | 408 | 409 | 410 | 411 | 411 | 412 | 413 | 414 | 415 |
| 276.2 | 416 | 416 | 417 | 418 | 419 | 420 | 421 | 421 | 422 | 423 |
| 276.3 | 424 | 424 | 425 | 426 | 427 | 427 | 428 | 429 | 430 | 430 |
| 276.4 | 431 | 432 | 432 | 433 | 434 | 435 | 435 | 436 | 437 | 437 |
| 276.5 | 438 | 439 | 440 | 440 | 441 | 442 | 443 | 443 | 444 | 445 |
| 276.6 | 446 | 446 | 447 | 448 | 449 | 449 | 450 | 451 | 451 | 452 |
| 276.7 | 452 | 453 | 454 | 454 | 455 | 456 | 456 | 457 | 457 | 458 |
| 276.8 | 459 | 459 | 460 | 461 | 461 | 462 | 463 | 463 | 464 | 465 |
| 276.9 | 465 | 466 | 467 | 467 | 468 | 469 | 470 | 470 | 471 | 472 |
| 277 | 473 | 474 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 |
| 277.1 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 |
| 277.2 | 493 | 494 | 495 | 496 | 497 | 498 | 500 | 501 | 502 | 503 |
| 277.3 | 504 | 505 | 506 | 508 | 509 | 510 | 512 | 513 | 514 | 515 |
| 277.4 | 517 | 518 | 519 | 520 | 522 | 523 | 524 | 525 | 526 | 527 |
| 277.5 | 528 | 529 | 530 | 531 | 533 | 534 | 535 | 536 | 537 | 538 |
| 277.6 | 539 | 540 | 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 |
| 277.7 | 549 | 550 | 551 | 552 | 553 | 554 | 555 | 557 | 558 | 559 |
| 277.8 | 560 | 561 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 |
| 277.9 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 |
| 278 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 |
| 278.1 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 |
| 278.2 | 601 | 602 | 603 | 604 | 605 | 606 | 608 | 609 | 610 | 611 |
| 278.3 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 620 |
| 278.4 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 |
| 278.5 | 631 | 632 | 633 | 633 | 634 | 635 | 636 | 637 | 638 | 638 |
| 278.6 | 639 | 640 | 641 | 642 | 642 | 643 | 644 | 645 | 646 | 647 |
| 278.7 | 647 | 648 | 649 | 650 | 651 | 651 | 652 | 653 | 654 | 655 |
| 278.8 | 656 | 656 | 657 | 658 | 659 | 660 | 661 | 661 | 662 | 663 |
| 278.9 | 664 | 665 | 666 | 667 | 667 | 668 | 669 | 670 | 671 | 672 |
| 279 | 673 | 674 | 675 | 676 | 677 | 678 | 680 | 681 | 682 | 683 |
| 279.1 | 684 | 685 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 |
| 279.2 | 695 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 |
| 279.3 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 |
| 279.4 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 |
| 279.5 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 |
| 279.6 | 736 | 737 | 738 | 739 | 740 | 742 | 743 | 744 | 745 | 746 |
| 279.7 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 |

Appendix F
Lake Striker
RESERVOIR AREA TABLE (continued)

TEXAS WATER DEVELOPMENT BOARD

AREA IN ACRES

ELEVATION INCREMENT IS ONE HUNDREDTH FOOT

March 2021 Survey

Conservation pool elevation 293.0 feet NAVD88

| ELEVATION (Feet) | 0 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 279.8 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 |
| 279.9 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 |
| 280 | 778 | 779 | 780 | 780 | 781 | 782 | 783 | 784 | 785 | 785 |
| 280.1 | 786 | 787 | 788 | 789 | 789 | 790 | 791 | 792 | 793 | 793 |
| 280.2 | 794 | 795 | 796 | 797 | 798 | 798 | 799 | 800 | 801 | 802 |
| 280.3 | 803 | 804 | 805 | 806 | 806 | 807 | 809 | 810 | 811 | 812 |
| 280.4 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 |
| 280.5 | 823 | 824 | 825 | 827 | 828 | 829 | 830 | 831 | 832 | 833 |
| 280.6 | 834 | 835 | 836 | 838 | 839 | 840 | 841 | 842 | 843 | 843 |
| 280.7 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 |
| 280.8 | 854 | 855 | 856 | 857 | 858 | 858 | 859 | 860 | 861 | 862 |
| 280.9 | 863 | 864 | 865 | 866 | 867 | 867 | 868 | 869 | 870 | 871 |
| 281 | 872 | 873 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 879 |
| 281.1 | 880 | 881 | 882 | 883 | 884 | 884 | 885 | 886 | 887 | 888 |
| 281.2 | 888 | 889 | 890 | 891 | 892 | 892 | 893 | 894 | 895 | 896 |
| 281.3 | 897 | 898 | 899 | 900 | 900 | 901 | 902 | 903 | 904 | 905 |
| 281.4 | 906 | 907 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 |
| 281.5 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 |
| 281.6 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 |
| 281.7 | 936 | 936 | 937 | 938 | 939 | 940 | 941 | 941 | 942 | 943 |
| 281.8 | 944 | 945 | 946 | 946 | 947 | 948 | 949 | 950 | 951 | 951 |
| 281.9 | 952 | 953 | 954 | 955 | 955 | 956 | 957 | 958 | 959 | 960 |
| 282 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 |
| 282.1 | 970 | 971 | 972 | 973 | 974 | 975 | 977 | 978 | 979 | 980 |
| 282.2 | 981 | 982 | 983 | 984 | 986 | 987 | 988 | 989 | 990 | 992 |
| 282.3 | 993 | 994 | 996 | 997 | 998 | 999 | 1,001 | 1,002 | 1,003 | 1,004 |
| 282.4 | 1,005 | 1,007 | 1,008 | 1,009 | 1,011 | 1,012 | 1,013 | 1,015 | 1,016 | 1,018 |
| 282.5 | 1,019 | 1,021 | 1,022 | 1,024 | 1,025 | 1,027 | 1,028 | 1,030 | 1,031 | 1,033 |
| 282.6 | 1,034 | 1,036 | 1,037 | 1,039 | 1,040 | 1,041 | 1,043 | 1,044 | 1,046 | 1,047 |
| 282.7 | 1,049 | 1,050 | 1,051 | 1,053 | 1,054 | 1,056 | 1,057 | 1,059 | 1,061 | 1,062 |
| 282.8 | 1,064 | 1,065 | 1,066 | 1,068 | 1,069 | 1,071 | 1,072 | 1,074 | 1,075 | 1,077 |
| 282.9 | 1,078 | 1,079 | 1,080 | 1,082 | 1,083 | 1,084 | 1,086 | 1,087 | 1,088 | 1,089 |
| 283 | 1,091 | 1,092 | 1,093 | 1,094 | 1,095 | 1,096 | 1,098 | 1,099 | 1,100 | 1,101 |
| 283.1 | 1,102 | 1,103 | 1,104 | 1,106 | 1,107 | 1,108 | 1,109 | 1,110 | 1,111 | 1,113 |
| 283.2 | 1,114 | 1,115 | 1,117 | 1,118 | 1,119 | 1,121 | 1,122 | 1,123 | 1,125 | 1,126 |
| 283.3 | 1,127 | 1,129 | 1,130 | 1,131 | 1,133 | 1,134 | 1,135 | 1,137 | 1,138 | 1,140 |
| 283.4 | 1,141 | 1,142 | 1,144 | 1,145 | 1,146 | 1,147 | 1,149 | 1,150 | 1,152 | 1,153 |
| 283.5 | 1,154 | 1,156 | 1,157 | 1,159 | 1,160 | 1,162 | 1,163 | 1,165 | 1,166 | 1,167 |
| 283.6 | 1,169 | 1,170 | 1,171 | 1,173 | 1,174 | 1,175 | 1,177 | 1,178 | 1,179 | 1,180 |
| 283.7 | 1,182 | 1,183 | 1,184 | 1,185 | 1,186 | 1,188 | 1,189 | 1,190 | 1,191 | 1,192 |
| 283.8 | 1,193 | 1,194 | 1,195 | 1,197 | 1,198 | 1,199 | 1,200 | 1,201 | 1,202 | 1,203 |
| 283.9 | 1,205 | 1,206 | 1,207 | 1,208 | 1,209 | 1,210 | 1,211 | 1,212 | 1,213 | 1,214 |
| 284 | 1,215 | 1,216 | 1,217 | 1,219 | 1,220 | 1,221 | 1,222 | 1,223 | 1,225 | 1,226 |
| 284.1 | 1,227 | 1,228 | 1,229 | 1,231 | 1,232 | 1,233 | 1,234 | 1,235 | 1,236 | 1,238 |
| 284.2 | 1,239 | 1,240 | 1,241 | 1,242 | 1,243 | 1,244 | 1,245 | 1,246 | 1,248 | 1,249 |
| 284.3 | 1,250 | 1,251 | 1,252 | 1,253 | 1,255 | 1,256 | 1,257 | 1,258 | 1,259 | 1,261 |
| 284.4 | 1,262 | 1,263 | 1,265 | 1,266 | 1,267 | 1,269 | 1,270 | 1,271 | 1,273 | 1,274 |
| 284.5 | 1,275 | 1,277 | 1,278 | 1,279 | 1,280 | 1,281 | 1,283 | 1,284 | 1,285 | 1,286 |
| 284.6 | 1,287 | 1,288 | 1,290 | 1,291 | 1,292 | 1,293 | 1,294 | 1,296 | 1,297 | 1,298 |
| 284.7 | 1,299 | 1,300 | 1,301 | 1,303 | 1,304 | 1,305 | 1,306 | 1,307 | 1,309 | 1,310 |
| 284.8 | 1,311 | 1,312 | 1,313 | 1,314 | 1,315 | 1,316 | 1,317 | 1,319 | 1,320 | 1,321 |
| 284.9 | 1,322 | 1,323 | 1,324 | 1,325 | 1,326 | 1,327 | 1,328 | 1,329 | 1,330 | 1,331 |
| 285 | 1,332 | 1,333 | 1,334 | 1,335 | 1,336 | 1,337 | 1,338 | 1,339 | 1,340 | 1,342 |
| 285.1 | 1,343 | 1,344 | 1,345 | 1,346 | 1,347 | 1,348 | 1,349 | 1,350 | 1,351 | 1,352 |
| 285.2 | 1,354 | 1,355 | 1,356 | 1,357 | 1,358 | 1,358 | 1,359 | 1,360 | 1,361 | 1,363 |
| 285.3 | 1,364 | 1,365 | 1,366 | 1,367 | 1,368 | 1,369 | 1,370 | 1,371 | 1,372 | 1,373 |

Appendix F
Lake Striker
RESERVOIR AREA TABLE (continued)

TEXAS WATER DEVELOPMENT BOARD

AREA IN ACRES

March 2021 Survey
Conservation pool elevation 293.0 feet NAVD88

ELEVATION INCREMENT IS ONE HUNDREDTH FOOT

| ELEVATION (Feet) | 0 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 | 0.09 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 285.4 | 1,374 | 1,375 | 1,376 | 1,377 | 1,379 | 1,380 | 1,381 | 1,382 | 1,383 | 1,384 |
| 285.5 | 1,385 | 1,386 | 1,387 | 1,388 | 1,389 | 1,390 | 1,391 | 1,392 | 1,393 | 1,394 |
| 285.6 | 1,395 | 1,396 | 1,397 | 1,398 | 1,399 | 1,400 | 1,401 | 1,402 | 1,403 | 1,404 |
| 285.7 | 1,405 | 1,406 | 1,407 | 1,408 | 1,409 | 1,410 | 1,411 | 1,412 | 1,413 | 1,414 |
| 285.8 | 1,415 | 1,415 | 1,416 | 1,417 | 1,418 | 1,419 | 1,420 | 1,421 | 1,422 | 1,423 |
| 285.9 | 1,424 | 1,425 | 1,426 | 1,427 | 1,427 | 1,428 | 1,429 | 1,430 | 1,431 | 1,432 |
| 286 | 1,433 | 1,434 | 1,435 | 1,436 | 1,437 | 1,438 | 1,439 | 1,440 | 1,441 | 1,442 |
| 286.1 | 1,443 | 1,444 | 1,445 | 1,446 | 1,447 | 1,448 | 1,449 | 1,450 | 1,451 | 1,452 |
| 286.2 | 1,453 | 1,454 | 1,455 | 1,455 | 1,456 | 1,457 | 1,458 | 1,459 | 1,460 | 1,461 |
| 286.3 | 1,462 | 1,463 | 1,464 | 1,465 | 1,465 | 1,466 | 1,467 | 1,468 | 1,469 | 1,470 |
| 286.4 | 1,471 | 1,472 | 1,473 | 1,474 | 1,475 | 1,476 | 1,477 | 1,478 | 1,478 | 1,479 |
| 286.5 | 1,480 | 1,481 | 1,482 | 1,483 | 1,484 | 1,485 | 1,486 | 1,487 | 1,488 | 1,489 |
| 286.6 | 1,490 | 1,491 | 1,492 | 1,493 | 1,494 | 1,495 | 1,496 | 1,497 | 1,498 | 1,499 |
| 286.7 | 1,500 | 1,501 | 1,502 | 1,503 | 1,504 | 1,505 | 1,505 | 1,506 | 1,507 | 1,508 |
| 286.8 | 1,509 | 1,510 | 1,511 | 1,512 | 1,513 | 1,514 | 1,515 | 1,516 | 1,517 | 1,518 |
| 286.9 | 1,519 | 1,520 | 1,521 | 1,522 | 1,523 | 1,524 | 1,525 | 1,526 | 1,527 | 1,528 |
| 287 | 1,529 | 1,530 | 1,530 | 1,531 | 1,532 | 1,533 | 1,534 | 1,535 | 1,536 | 1,537 |
| 287.1 | 1,538 | 1,538 | 1,539 | 1,540 | 1,541 | 1,542 | 1,543 | 1,544 | 1,545 | 1,546 |
| 287.2 | 1,547 | 1,548 | 1,549 | 1,550 | 1,550 | 1,551 | 1,552 | 1,553 | 1,554 | 1,555 |
| 287.3 | 1,556 | 1,557 | 1,558 | 1,559 | 1,560 | 1,561 | 1,562 | 1,563 | 1,564 | 1,564 |
| 287.4 | 1,565 | 1,566 | 1,567 | 1,568 | 1,569 | 1,570 | 1,571 | 1,572 | 1,573 | 1,574 |
| 287.5 | 1,575 | 1,575 | 1,576 | 1,577 | 1,578 | 1,579 | 1,580 | 1,581 | 1,582 | 1,583 |
| 287.6 | 1,584 | 1,585 | 1,586 | 1,587 | 1,588 | 1,589 | 1,590 | 1,591 | 1,592 | 1,593 |
| 287.7 | 1,594 | 1,595 | 1,596 | 1,597 | 1,598 | 1,599 | 1,600 | 1,601 | 1,602 | 1,603 |
| 287.8 | 1,603 | 1,604 | 1,605 | 1,606 | 1,607 | 1,608 | 1,609 | 1,610 | 1,611 | 1,612 |
| 287.9 | 1,613 | 1,614 | 1,614 | 1,615 | 1,616 | 1,617 | 1,618 | 1,619 | 1,620 | 1,621 |
| 288 | 1,621 | 1,622 | 1,623 | 1,624 | 1,625 | 1,626 | 1,627 | 1,628 | 1,628 | 1,629 |
| 288.1 | 1,630 | 1,631 | 1,632 | 1,633 | 1,634 | 1,635 | 1,635 | 1,636 | 1,637 | 1,638 |
| 288.2 | 1,639 | 1,640 | 1,640 | 1,641 | 1,642 | 1,643 | 1,644 | 1,645 | 1,645 | 1,646 |
| 288.3 | 1,647 | 1,648 | 1,649 | 1,649 | 1,650 | 1,651 | 1,652 | 1,652 | 1,653 | 1,654 |
| 288.4 | 1,655 | 1,655 | 1,656 | 1,657 | 1,657 | 1,658 | 1,659 | 1,660 | 1,661 | 1,661 |
| 288.5 | 1,662 | 1,663 | 1,664 | 1,664 | 1,665 | 1,666 | 1,667 | 1,668 | 1,669 | 1,669 |
| 288.6 | 1,670 | 1,671 | 1,672 | 1,673 | 1,674 | 1,674 | 1,675 | 1,676 | 1,677 | 1,678 |
| 288.7 | 1,678 | 1,679 | 1,680 | 1,681 | 1,682 | 1,682 | 1,683 | 1,684 | 1,685 | 1,685 |
| 288.8 | 1,686 | 1,687 | 1,688 | 1,689 | 1,689 | 1,690 | 1,691 | 1,692 | 1,692 | 1,693 |
| 288.9 | 1,694 | 1,695 | 1,696 | 1,696 | 1,697 | 1,698 | 1,699 | 1,699 | 1,700 | 1,701 |
| 289 | 1,702 | 1,702 | 1,703 | 1,704 | 1,705 | 1,705 | 1,706 | 1,707 | 1,708 | 1,708 |
| 289.1 | 1,709 | 1,710 | 1,711 | 1,711 | 1,712 | 1,713 | 1,713 | 1,714 | 1,715 | 1,716 |
| 289.2 | 1,716 | 1,717 | 1,718 | 1,719 | 1,719 | 1,720 | 1,721 | 1,722 | 1,722 | 1,723 |
| 289.3 | 1,724 | 1,725 | 1,725 | 1,726 | 1,727 | 1,727 | 1,728 | 1,729 | 1,730 | 1,730 |
| 289.4 | 1,731 | 1,732 | 1,733 | 1,733 | 1,734 | 1,735 | 1,736 | 1,737 | 1,737 | 1,738 |
| 289.5 | 1,739 | 1,740 | 1,741 | 1,741 | 1,742 | 1,743 | 1,744 | 1,744 | 1,745 | 1,746 |
| 289.6 | 1,747 | 1,748 | 1,748 | 1,749 | 1,750 | 1,751 | 1,752 | 1,753 | 1,753 | 1,754 |
| 289.7 | 1,755 | 1,756 | 1,757 | 1,758 | 1,759 | 1,759 | 1,760 | 1,761 | 1,762 | 1,763 |
| 289.8 | 1,763 | 1,764 | 1,765 | 1,766 | 1,767 | 1,768 | 1,768 | 1,769 | 1,770 | 1,771 |
| 289.9 | 1,772 | 1,772 | 1,773 | 1,774 | 1,775 | 1,775 | 1,776 | 1,777 | 1,778 | 1,778 |
| 290 | 1,779 | 1,780 | 1,781 | 1,781 | 1,782 | 1,783 | 1,783 | 1,784 | 1,785 | 1,786 |
| 290.1 | 1,786 | 1,787 | 1,788 | 1,788 | 1,789 | 1,789 | 1,790 | 1,791 | 1,791 | 1,792 |
| 290.2 | 1,792 | 1,793 | 1,794 | 1,794 | 1,795 | 1,795 | 1,796 | 1,797 | 1,797 | 1,798 |
| 290.3 | 1,798 | 1,799 | 1,799 | 1,800 | 1,800 | 1,801 | 1,802 | 1,802 | 1,803 | 1,803 |
| 290.4 | 1,804 | 1,804 | 1,805 | 1,805 | 1,806 | 1,806 | 1,807 | 1,807 | 1,808 | 1,808 |
| 290.5 | 1,809 | 1,809 | 1,810 | 1,810 | 1,811 | 1,811 | 1,812 | 1,812 | 1,813 | 1,813 |
| 290.6 | 1,814 | 1,814 | 1,815 | 1,815 | 1,816 | 1,816 | 1,817 | 1,817 | 1,818 | 1,818 |
| 290.7 | 1,819 | 1,819 | 1,820 | 1,820 | 1,821 | 1,821 | 1,822 | 1,822 | 1,823 | 1,823 |
| 290.8 | 1,824 | 1,824 | 1,825 | 1,825 | 1,826 | 1,826 | 1,827 | 1,827 | 1,828 | 1,828 |
| 290.9 | 1,829 | 1,829 | 1,830 | 1,830 | 1,831 | 1,831 | 1,832 | 1,832 | 1,833 | 1,833 |

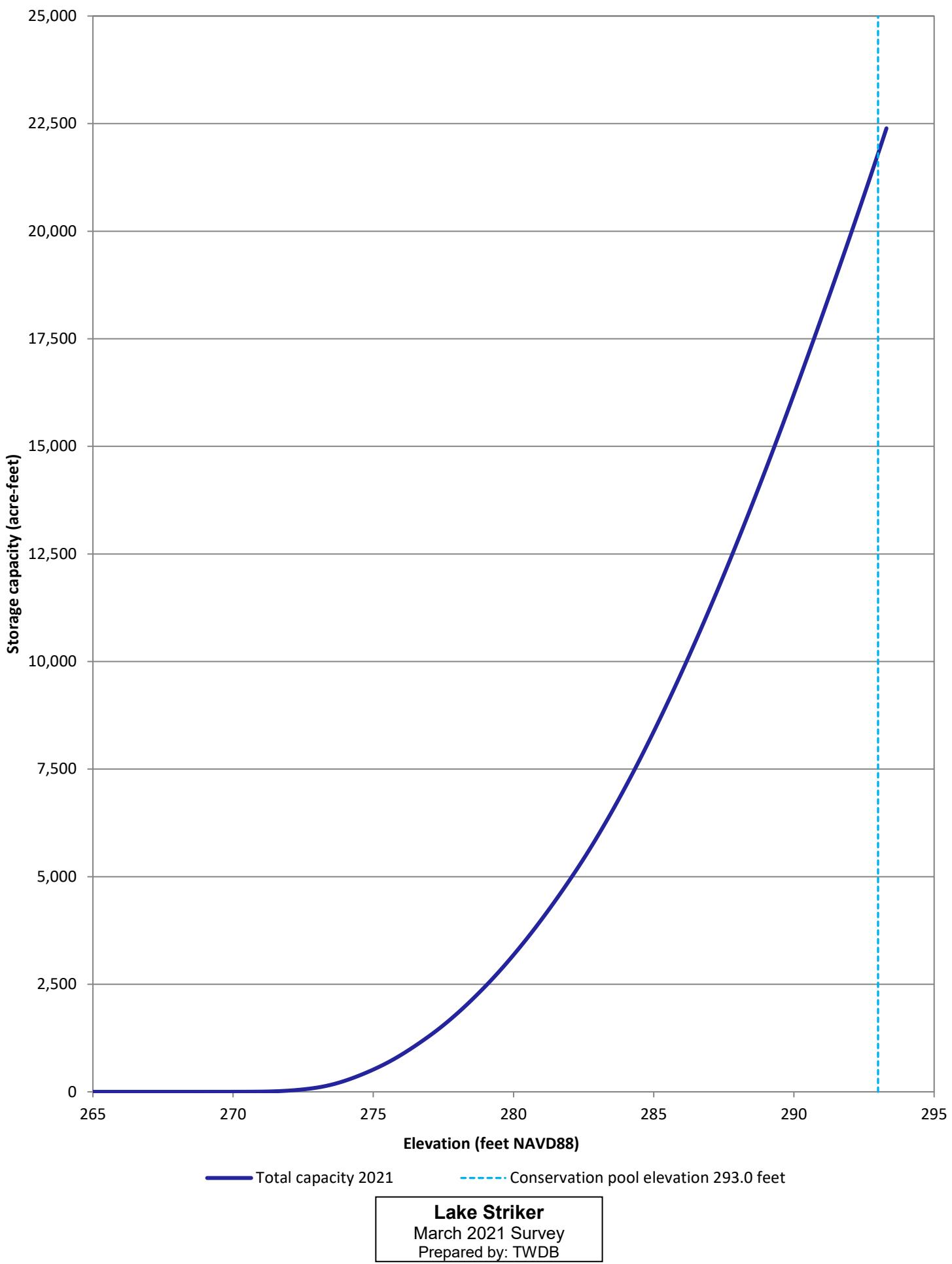
Appendix F
Lake Striker
RESERVOIR AREA TABLE (continued)

TEXAS WATER DEVELOPMENT BOARD

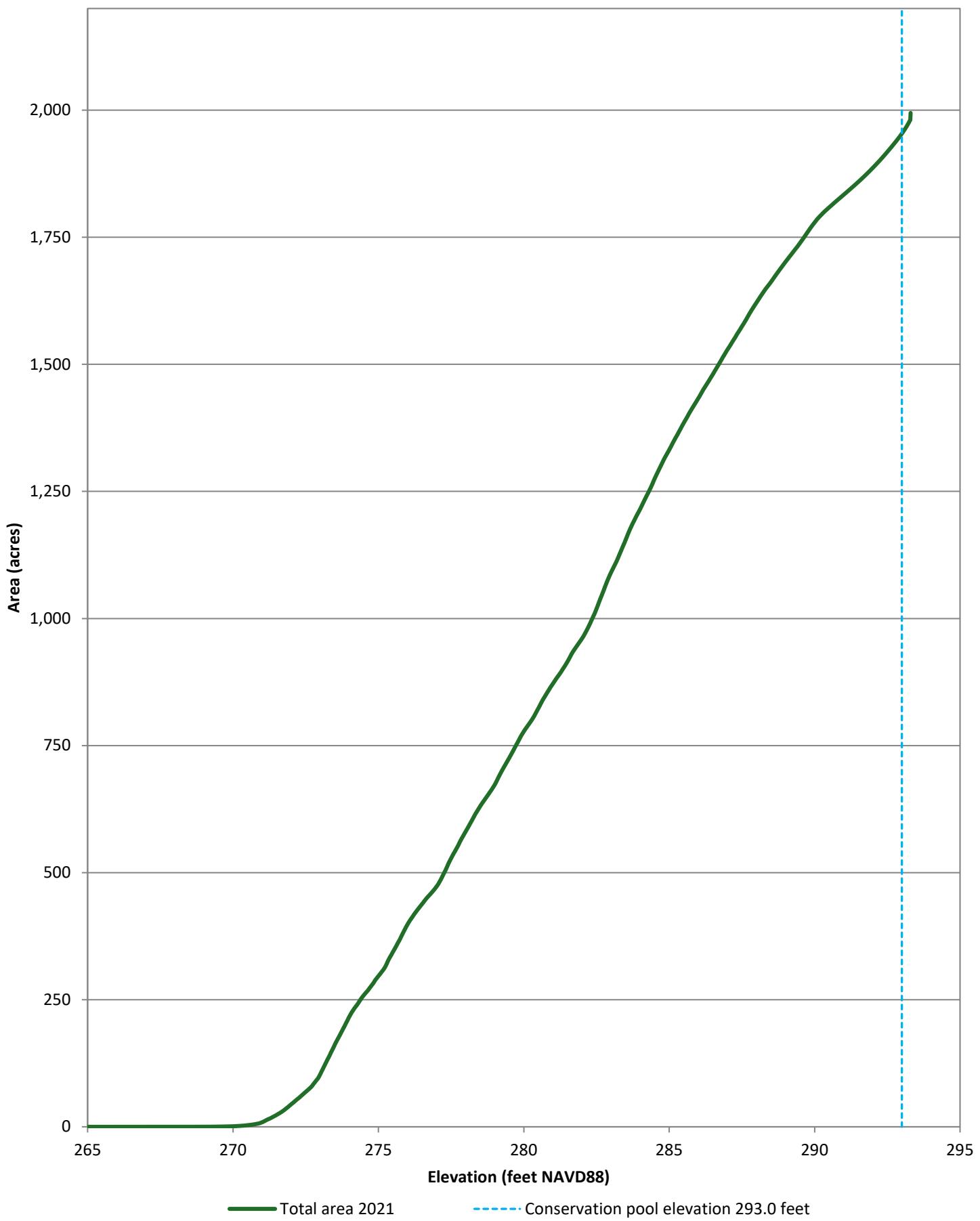
AREA IN ACRES

March 2021 Survey
Conservation pool elevation 293.0 feet NAVD88

ELEVATION INCREMENT IS ONE HUNDREDTH FOOT



Appendix G: 2021 Capacity Curve

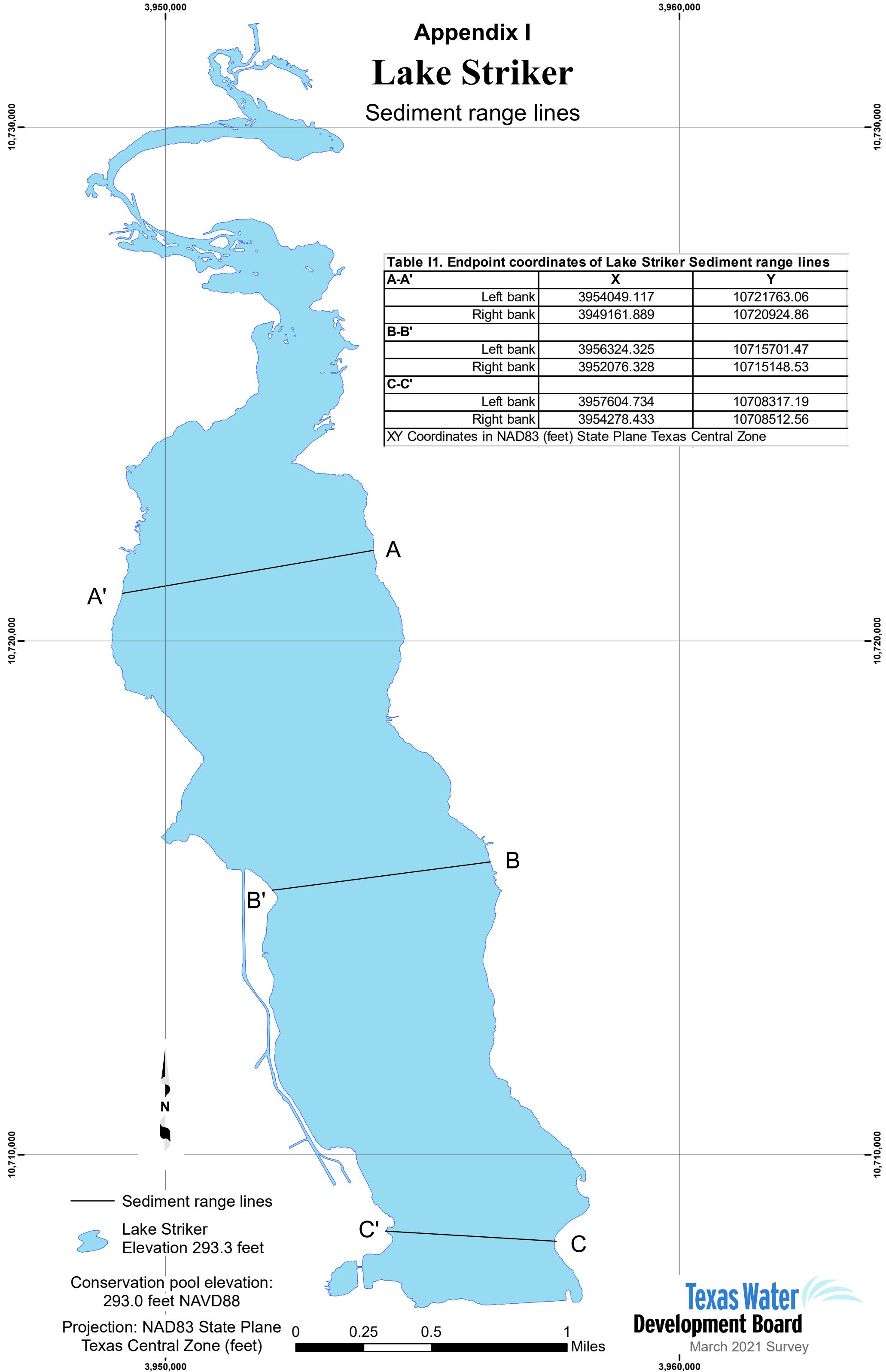


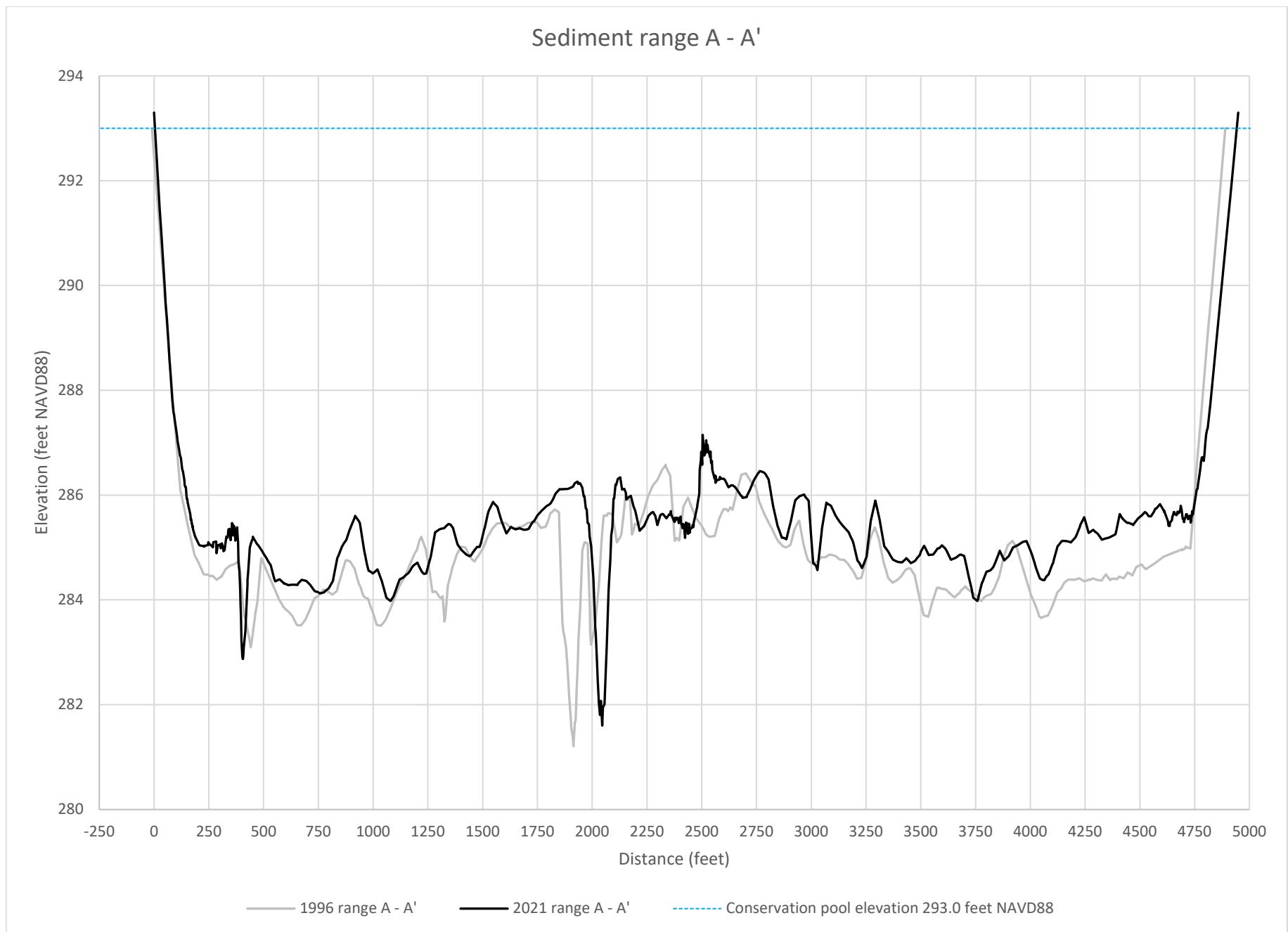
Lake Striker
March 2021 Survey
Prepared by: TWDB

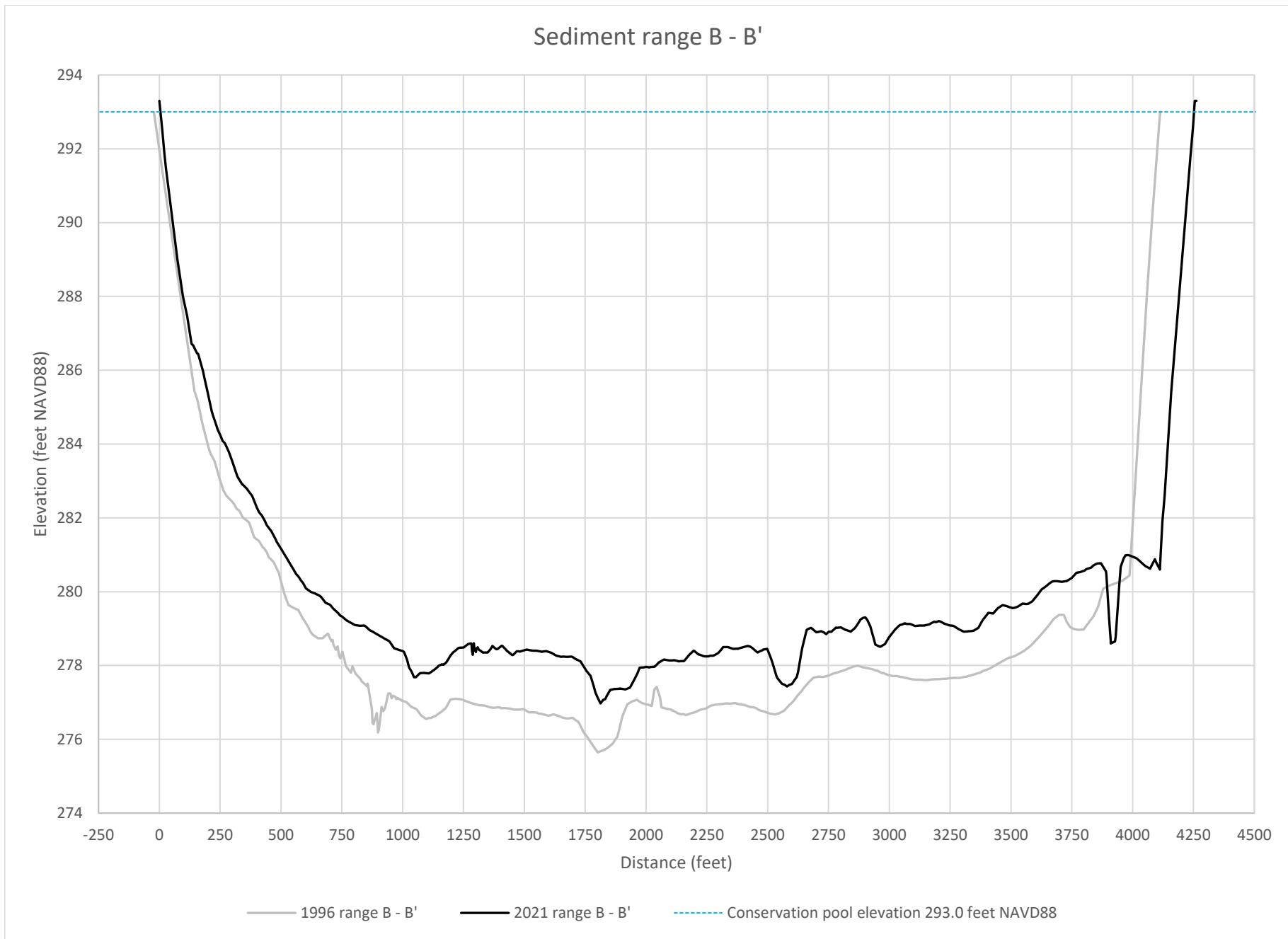
Appendix I

Lake Striker

Sediment range lines







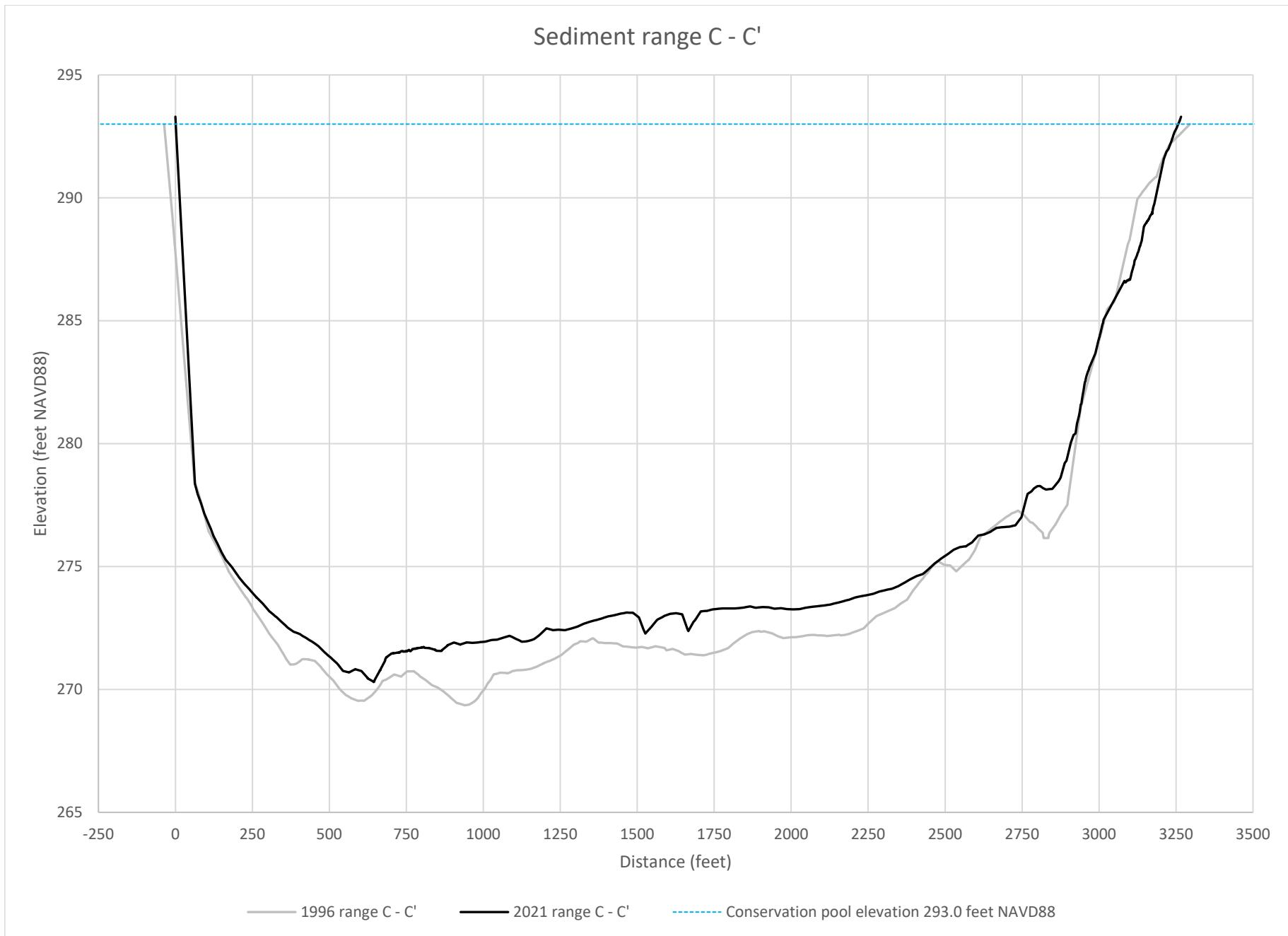


Figure 6

CONTOURS
(feet NAVD88)

- 293
- 290
- 285
- 280
- 275
- 270
- 265



Islands



Lake Striker
Elevation 293.3 feet
Conservation pool
elevation 293.0 feet

Projection: NAD83 State Plane
Texas Central Zone (feet)



This map is the product of a survey conducted by the Texas Water Development Board's Hydrographic Survey Program to determine the capacity of Lake Striker. The Texas Water Development Board makes no representations nor assumes any liability.

Texas Water 
Development Board
March 2021 Survey

3,950,000

3,960,000

10,730,000

10,720,000

10,710,000

Lake Striker
5' - contour map

0 0.5 1 Miles

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10,710,000

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3,960,000

10,730,000

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10,740,000

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