













beam data and other TIN inputs were removed. An approximate polygon representing the multibeam data coverage area was used to erase single beam data and interpolated data points from the Volumetric and Sedimentation Survey (Texas Water Development Board, 2023) dataset. Additionally, shorelines digitized from aerial imagery dated July 12, 2014, and November 1, 2020, were edited to not overlap with the multibeam data. The TIN model was converted to a raster representation using a cell size of two feet by two feet. Contours were generated from the raster at one-foot intervals. These data were used to produce three figures: (1) an elevation relief map representing the topography of the reservoir bottom (Figure 3); (2) a depth range map showing depth ranges for Jim Chapman Lake in the vicinity of the raw water intake channel and structure (Figure 4); and (3) a 2-foot contour map of the area of interest (Figure 5).

### **TWDB contact information**

For more information about the TWDB Hydrographic Survey Program, visit [www.twdb.texas.gov/surfacewater/surveys](http://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](mailto:Hydrosurvey@twdb.texas.gov).

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