

Elevation (feet)	Area (acres)	Volume (acre-ft)
830.0	2.0	1.7
832.0	3.9	8.0
834.0	6.6	18.0
836.0	9.6	34.3
838.0	12.1	56.1
840.0	14.7	82.7
842.0	17.8	116
844.0	19.5	153
844.2	19.8	157

Table A42. Lake elevations and respective surface areas and volumes. Approximate elevation of spillway structure is 844.2 feet. Elevations referenced to North American Vertical Datum of 1988 (NAVD88). Note: Volumes calculated from surface testing 1.28 feet vertical accuracy at 95 percent confidence level.

BUCKLIN LAKE

EXPLANATION

- 840 — BATHYMETRIC CONTOUR—Shows elevation of the reservoir bottom. Contour interval 2 feet. Contours tested 1.48 feet vertical accuracy at 95 percent confidence level. Vertical datum is NAVD88.
- 844 — WATER SURFACE—Shows approximate elevation of water surface, March 19, 2007 (actual was 844.2 feet, table A42). Vertical datum is NAVD88.
- U.S. GEOLOGICAL SURVEY REFERENCE MARKER—Chiseled line on southwest wall of spillway. Elevation 844.2 feet. Vertical datum is NAVD88.

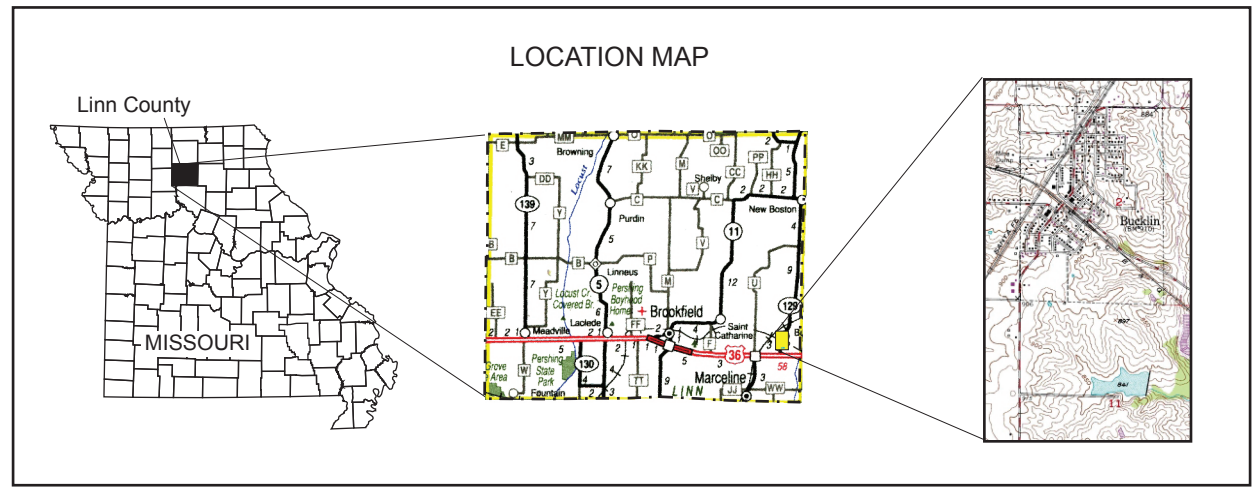
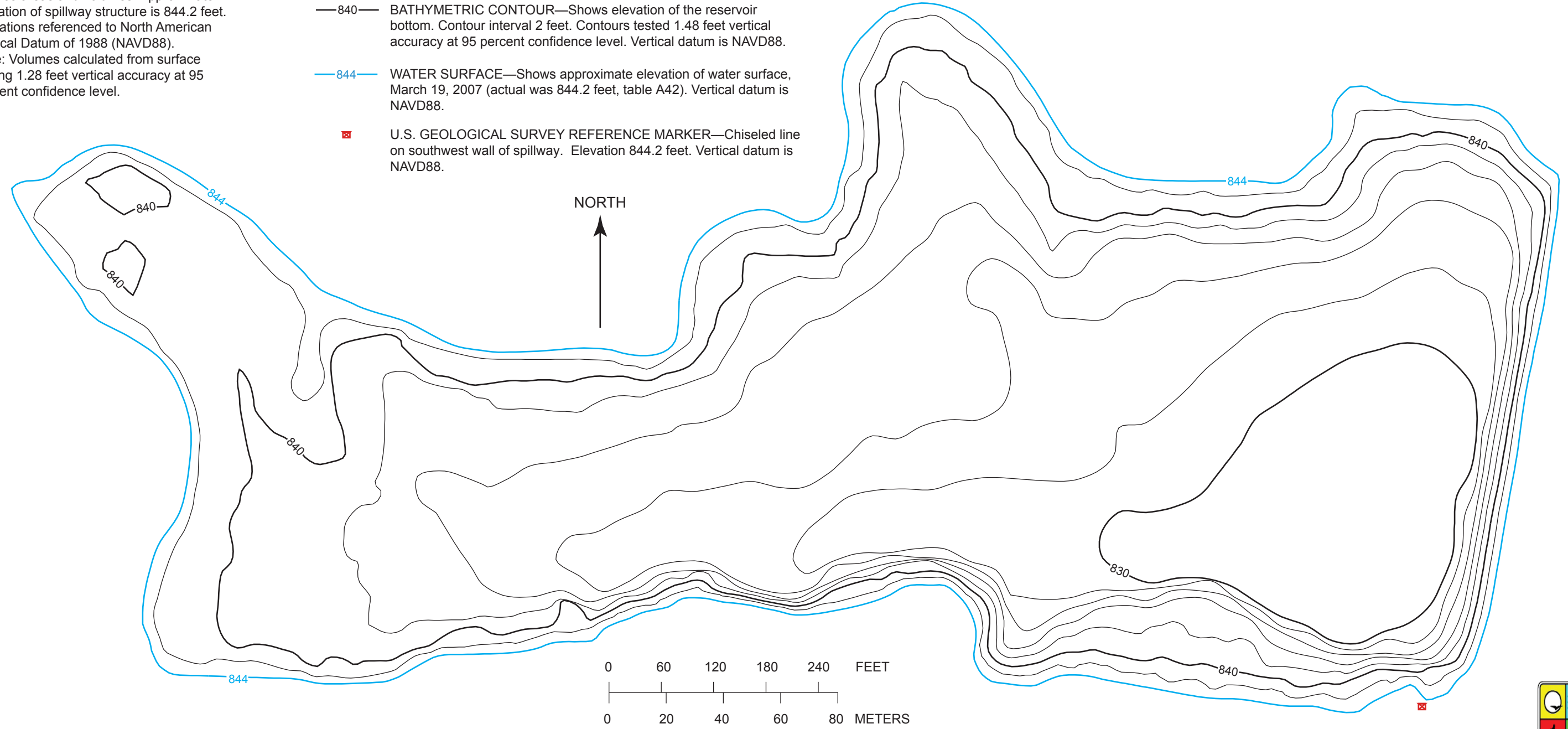


Figure A42. Bathymetric map and area/volume table for Bucklin Lake near Bucklin, Missouri.