

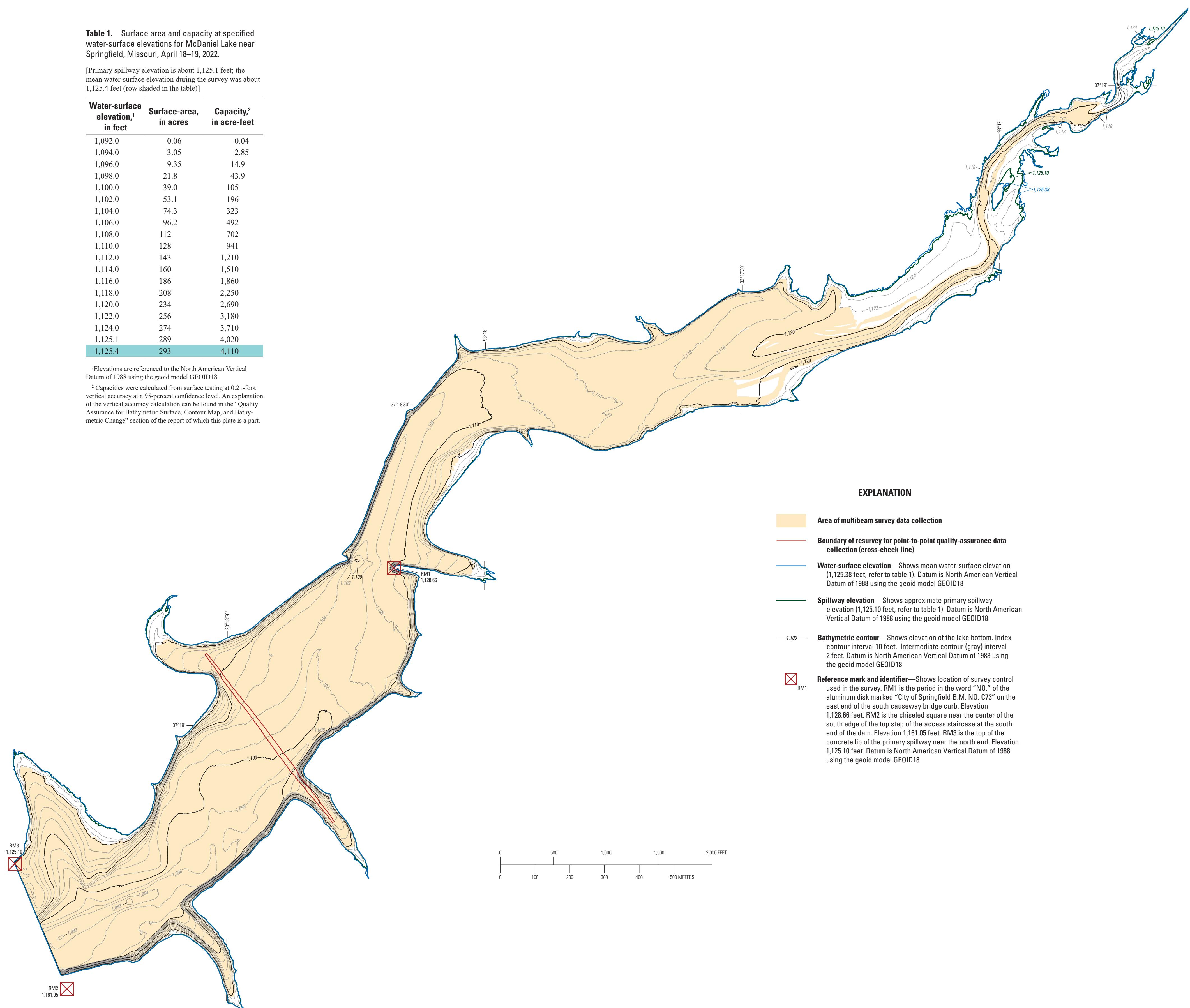
Table 1. Surface area and capacity at specified water-surface elevations for McDaniel Lake near Springfield, Missouri, April 18–19, 2022.

[Primary spillway elevation is about 1,125.1 feet; the mean water-surface elevation during the survey was about 1,125.4 feet (row shaded in the table)]

Water-surface elevation, ¹ in feet	Surface-area, in acres	Capacity, ² in acre-feet
1,092.0	0.06	0.04
1,094.0	3.05	2.85
1,096.0	9.35	14.9
1,098.0	21.8	43.9
1,100.0	39.0	105
1,102.0	53.1	196
1,104.0	74.3	323
1,106.0	96.2	492
1,108.0	112	702
1,110.0	128	941
1,112.0	143	1,210
1,114.0	160	1,510
1,116.0	186	1,860
1,118.0	208	2,250
1,120.0	234	2,690
1,122.0	256	3,180
1,124.0	274	3,710
1,125.1	289	4,020
1,125.4	293	4,110

¹Elevations are referenced to the North American Vertical Datum of 1988 using the geoid model GEOID18.

² Capacities were calculated from surface testing at 0.21-foot vertical accuracy at a 95-percent confidence level. An explanation of the vertical accuracy calculation can be found in the "Quality Assurance for Bathymetric Surface, Contour Map, and Bathymetric Change" section of the report of which this plate is a part.



Bathymetric Contour Map and Surface Area and Capacity Table for McDaniel Lake (lake 40) near Springfield, Missouri, 2022

By
 Benjamin C. Rivers, Richard J. Huizinga, and Garrett J. Waite
 2024

Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.
 Suggested citation:
 Rivers, B.C., Huizinga, R.J., and Waite, G.J., 2024, Bathymetric contour maps, surface area and capacity tables, and bathymetric change maps for selected water-supply lakes in Missouri, 2022–23: U.S. Geological Survey Scientific Investigations Report 2024-5114, 70 p., and 13 oversized plates, <https://doi.org/10.3133/sir20245114>.