

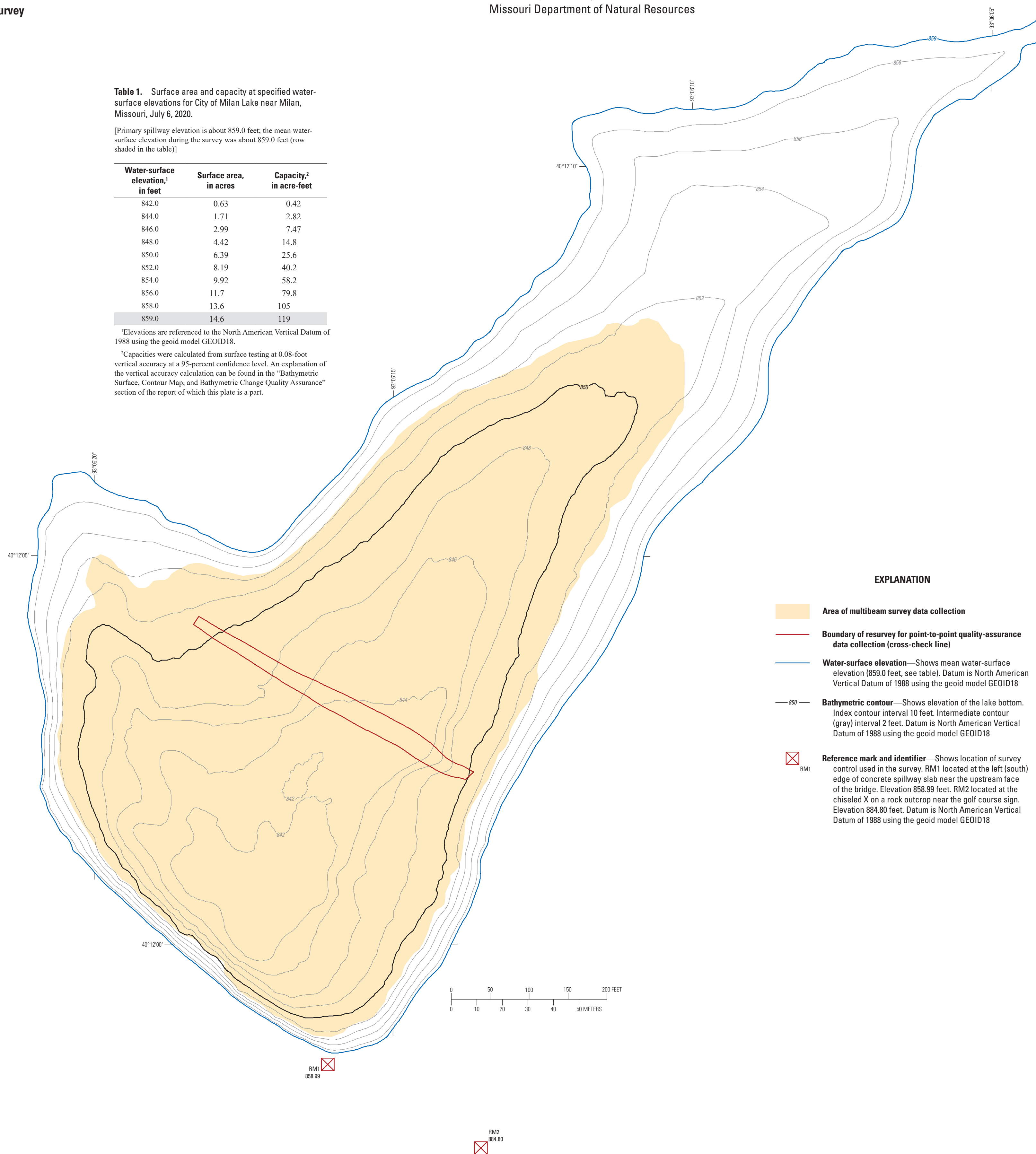
Table 1. Surface area and capacity at specified water-surface elevations for City of Milan Lake near Milan, Missouri, July 6, 2020.

[Primary spillway elevation is about 859.0 feet; the mean water-surface elevation during the survey was about 859.0 feet (row shaded in the table)]

Water-surface elevation, ¹ in feet	Surface area, in acres	Capacity, ² in acre-feet
842.0	0.63	0.42
844.0	1.71	2.82
846.0	2.99	7.47
848.0	4.42	14.8
850.0	6.39	25.6
852.0	8.19	40.2
854.0	9.92	58.2
856.0	11.7	79.8
858.0	13.6	105
859.0	14.6	119

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

²Capacities were calculated from surface testing at 0.08-foot vertical accuracy at a 95-percent confidence level. An explanation of the vertical accuracy calculation can be found in the "Bathymetric Surface, Contour Map, and Bathymetric Change Quality Assurance" section of the report of which this plate is a part.



EXPLANATION

- Area of multibeam survey data collection
- Boundary of resurvey for point-to-point quality-assurance data collection (cross-check line)
- Water-surface elevation—Shows mean water-surface elevation (859.0 feet, see table). Datum is North American Vertical Datum of 1988 using the geoid model GEOID18
- Bathymetric contour—Shows elevation of the lake bottom. Index contour interval 10 feet. Intermediate contour (gray) interval 2 feet. Datum is North American Vertical Datum of 1988 using the geoid model GEOID18
- Reference mark and identifier—Shows location of survey control used in the survey. RM1 located at the left (south) edge of concrete spillway slab near the upstream face of the bridge. Elevation 858.99 feet. RM2 located at the chiseled X on a rock outcrop near the golf course sign. Elevation 884.80 feet. Datum is North American Vertical Datum of 1988 using the geoid model GEOID18

Bathymetric Contour Map and Surface Area and Capacity Table for City of Milan Lake (lake 17) near Milan, Missouri, 2020

By
Richard J. Huizinga, Benjamin C. Rivers, Joseph M. Richards, and Garrett J. Waite
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