

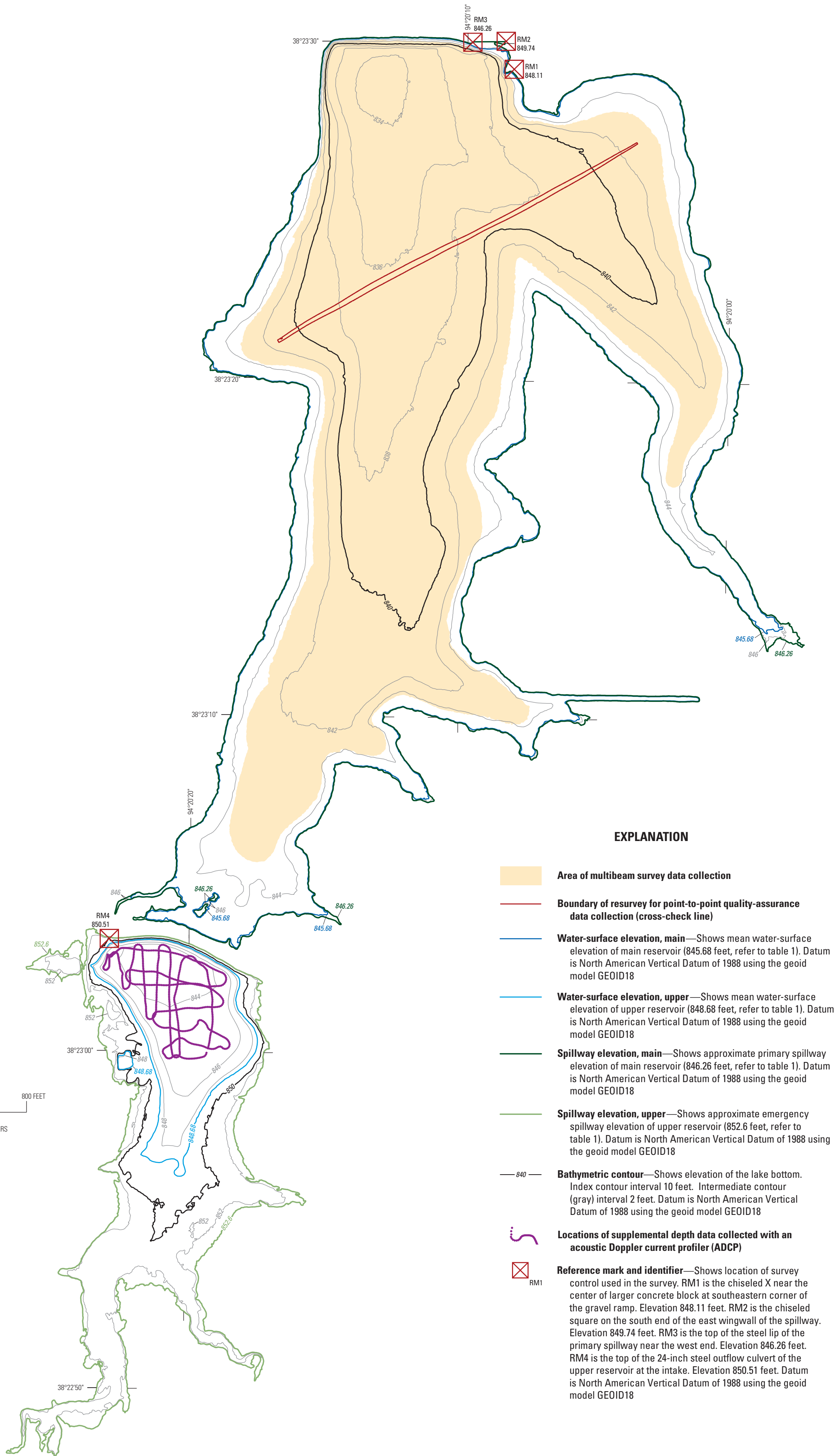
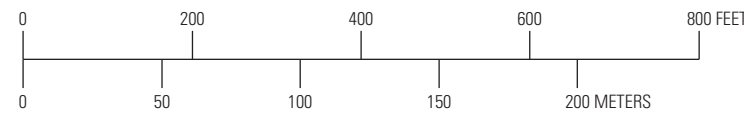
Table 1. Surface area and capacity at specified water-surface elevations for Adrian Reservoir (main and upper) near Adrian, Missouri, May 16, 2023.

[Primary spillway elevation for the main reservoir is about 846.3 feet, and emergency spillway elevation for the upper reservoir is about 852.6 feet; the mean water-surface elevation of the main reservoir during the survey was about 845.7 feet (row shaded in the table), and the mean water-surface elevation of the upper reservoir during the survey was about 848.7 feet (row shaded in the lower table)]

Water-surface elevation, ¹ in feet	Surface-area, in acres	Capacity, ² in acre-feet
Main reservoir		
834.0	0.60	0.22
836.0	3.83	4.46
838.0	10.2	18.1
840.0	18.9	47.0
842.0	27.3	93.1
844.0	41.6	162
845.7	51.8	242
846.0	52.4	258
846.3	52.9	274
Upper reservoir		
844.0	0.85	0.23
846.0	2.86	4.29
848.03	0.94	11.0
848.7	4.51	14.0
850.0	6.40	21.2
852.0	10.8	38.2
852.6	12.9	45.3

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

²Capacities were calculated from surface testing at 0.07-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 Adrian Reservoir (Main and Upper; lake 45) near Adrian, Missouri, 2023

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>.

ISSN 2208-1326 (online)
<https://doi.org/10.3133/sir20245114>