



Table 1. Surface area and capacity at specified water-surface elevations for New Milan Reservoir (Elmwood Lake) near Milan, Missouri, July 7, 2020.

[Primary spillway elevation is about 872.0 feet and the emergency spillway elevation is about 877.4; the mean water-surface elevation during the survey was about 871.9 feet (row shaded in the table)]

Water-surface elevation, ¹ in feet	Surface area, in acres	Capacity, ² in acre-feet
844.0	0.39	0.28
846.0	1.34	1.96
848.0	3.52	5.99
850.0	13.6	22.0
852.0	27.3	63.1
854.0	43.9	134
856.0	59.3	238
858.0	78.3	376
860.0	94.1	549
862.0	110	753
864.0	129	993
866.0	145	1,270
868.0	160	1,570
870.0	174	1,910
871.9	193	2,250
872.0	197	2,270
874.0	233	2,710
876.0	263	3,200
877.4	282	3,580

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

²Capacities were calculated from surface testing at 0.12-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.

Bathymetric Contour Map and Surface Area and Capacity Table for New Milan Reservoir (Elmwood Lake; lake 19) near Milan, Missouri, 2020

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