



Table 1. Surface area and capacity at specified water-surface elevations for Garden City New Lake near Garden City, Missouri, July 13, 2020.

[Spillway elevation is about 862.2 feet; the mean water-surface elevation during the survey was about 861.3 feet (row shaded in the table)]

Water-surface elevation, ¹ in feet	Surface area, in acres	Capacity, ² in acre-feet
842.0	0.33	0.15
844.0	2.50	2.86
846.0	5.07	10.5
848.0	8.11	23.6
850.0	12.6	44.3
852.0	16.7	73.9
854.0	21.3	112
856.0	24.6	158
858.0	27.9	210
860.0	32.5	271
861.3	35.8	315
862.0	38.6	341
862.2	39.8	349

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

²Capacities were calculated from surface testing at 0.15-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 Garden City New Lake (lake 21) near Garden City, Missouri, 2020

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