

Figure 50. Bathymetric contours for Mozingo Lake (lake 11; fig. 1, table 1) near Maryville, Missouri, resulting from a survey on June 23–26, 2020—Continued

Table 15. Surface area and capacity at specified water-surface elevations for Mozingo Lake near Maryville, Missouri, June 23–26, 2020.

(Primary spillway elevation is about 1,060.1 feet and the emergency spillway elevation is about 1,067.0 feet (fig. 50); the average water-surface elevation during the survey was about 1,060.3 feet (row shaded in the table))

Water-surface elevation, ^a in feet	Surface area, in acres	Capacity, ^b in acre-feet
1,016.0	0.80	0.30
1,018.0	5.80	4.50
1,020.0	26.3	36.7
1,022.0	59.9	123
1,024.0	89.7	273
1,026.0	119	482
1,028.0	152	753
1,030.0	188	1,090
1,032.0	226	1,510
1,034.0	264	2,000
1,036.0	306	2,570
1,038.0	354	3,220
1,040.0	408	3,990
1,042.0	457	4,850
1,044.0	505	5,820
1,046.0	555	6,880
1,048.0	610	8,040
1,050.0	667	9,320
1,052.0	720	10,700
1,054.0	778	12,200
1,056.0	832	13,800
1,058.0	886	15,500
1,060.0	957	17,400
1,060.3	976	17,700
1,062.0	1,079	19,400
1,064.0	1,168	21,700
1,066.0	1,255	24,100
1,067.0	1,297	25,400

^aElevations are referenced to the North American Vertical Datum of 1988 using the geoid model GEOID18.

^bCapacities were calculated from surface testing at 0.25-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 sheet is a part.

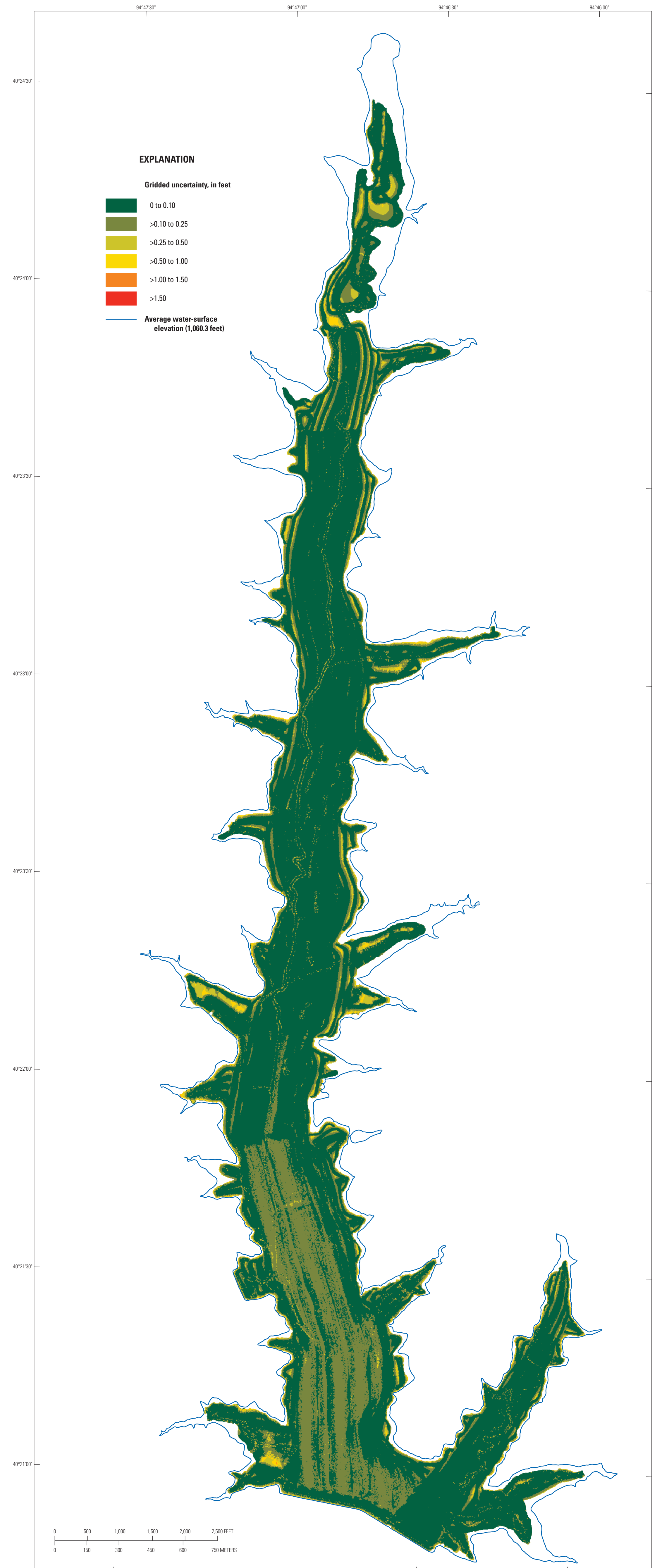


Figure 52. Gridded uncertainty of the bathymetric surface of Mozingo Lake near Maryville, Missouri, 2020.

Bathymetric Contour Map, and Surface Area and Capacity Table for Mozingo Lake near Maryville, Missouri, 2020—Continued

By
Richard J. Huizinga, Lindi D. Oylar, and Benjamin C. Rivers
2022

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:
Huizinga, R.J., Oylar, L.D., and Rivers, B.C., 2022, Bathymetric contour maps, surface area and capacity tables, and bathymetric change maps for selected water-supply lakes in northeastern Missouri, 2019 and 2020: U.S. Geological Survey Scientific Investigations Map 3486, 12 sheets, scale 1:25,000, <https://doi.org/10.7927/0348>.