

Table 5. Surface area and capacity at specified water-surface elevations for Willow Brook Lake near Maysville, Missouri, July 18–19, 2019.

(Primary spillway elevation is about 908.5 feet and the emergency spillway elevation is about 916.5 feet; the average water-surface elevation during the survey was about 908.0 feet (row shaded in the table))

Water-surface elevation, ^a in feet	Surface area, in acres	Capacity ^b in acre-feet
888.0	0.20	0.00
890.0	7.70	8.50
892.0	14.3	30.5
894.0	27.5	71.4
896.0	43.5	143
898.0	56.0	241
900.0	71.4	371
902.0	86.5	528
904.0	103	718
906.0	116	936
908.0	131	1,180
908.5	136	1,250
910.0	149	1,460
912.0	168	1,780
914.0	189	2,140
916.0	212	2,540
916.5	218	2,640

^aElevations are referenced to the North American Vertical Datum of 1988 using the geoid model GEOID12b.

^bCapacities 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 sheet is a part.

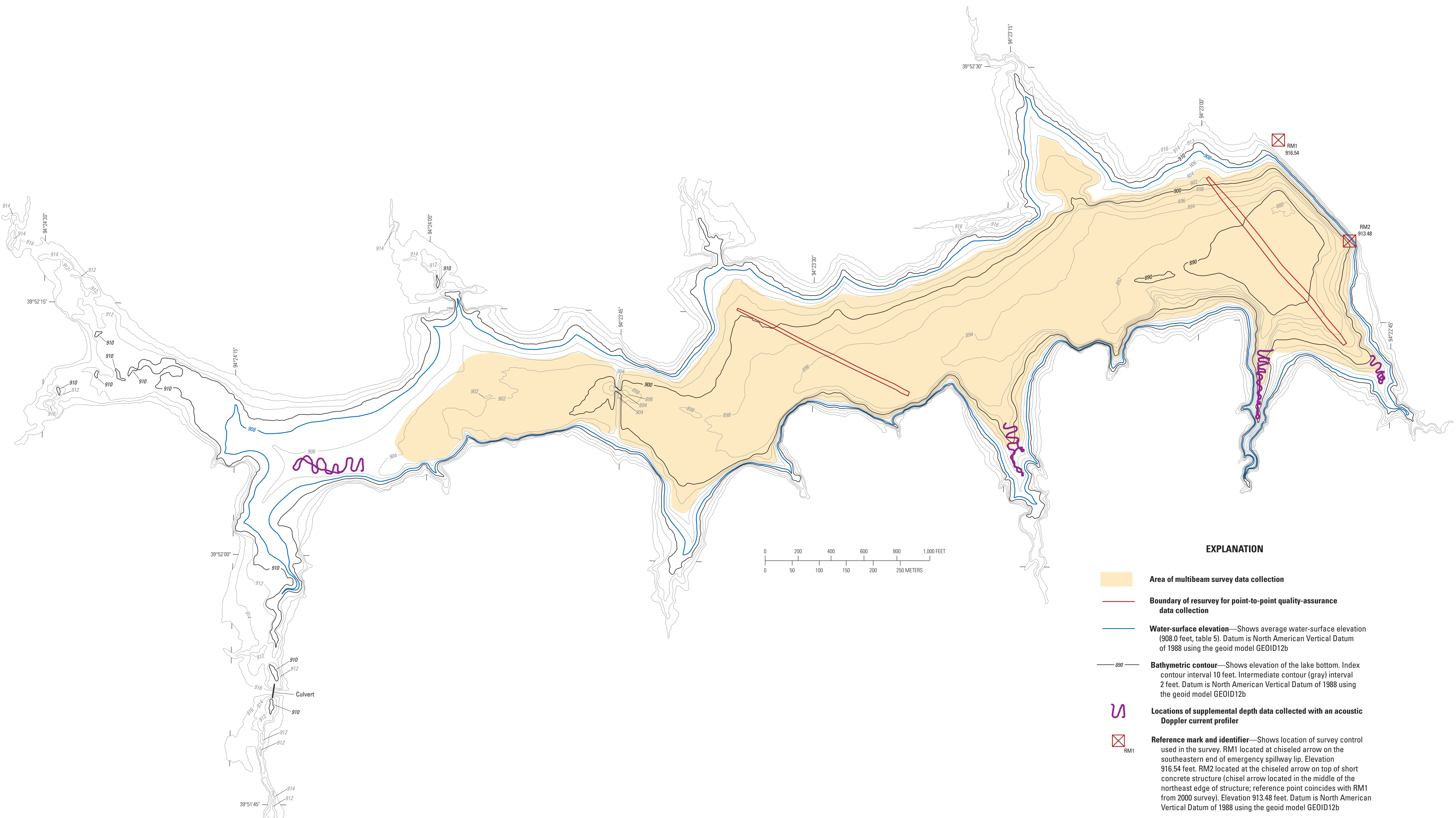


Figure 14. Bathymetric contours for Willow Brook Lake (lake 3, fig. 1; table 1) near Maysville, Missouri, resulting from a survey on July 18–19, 2019.

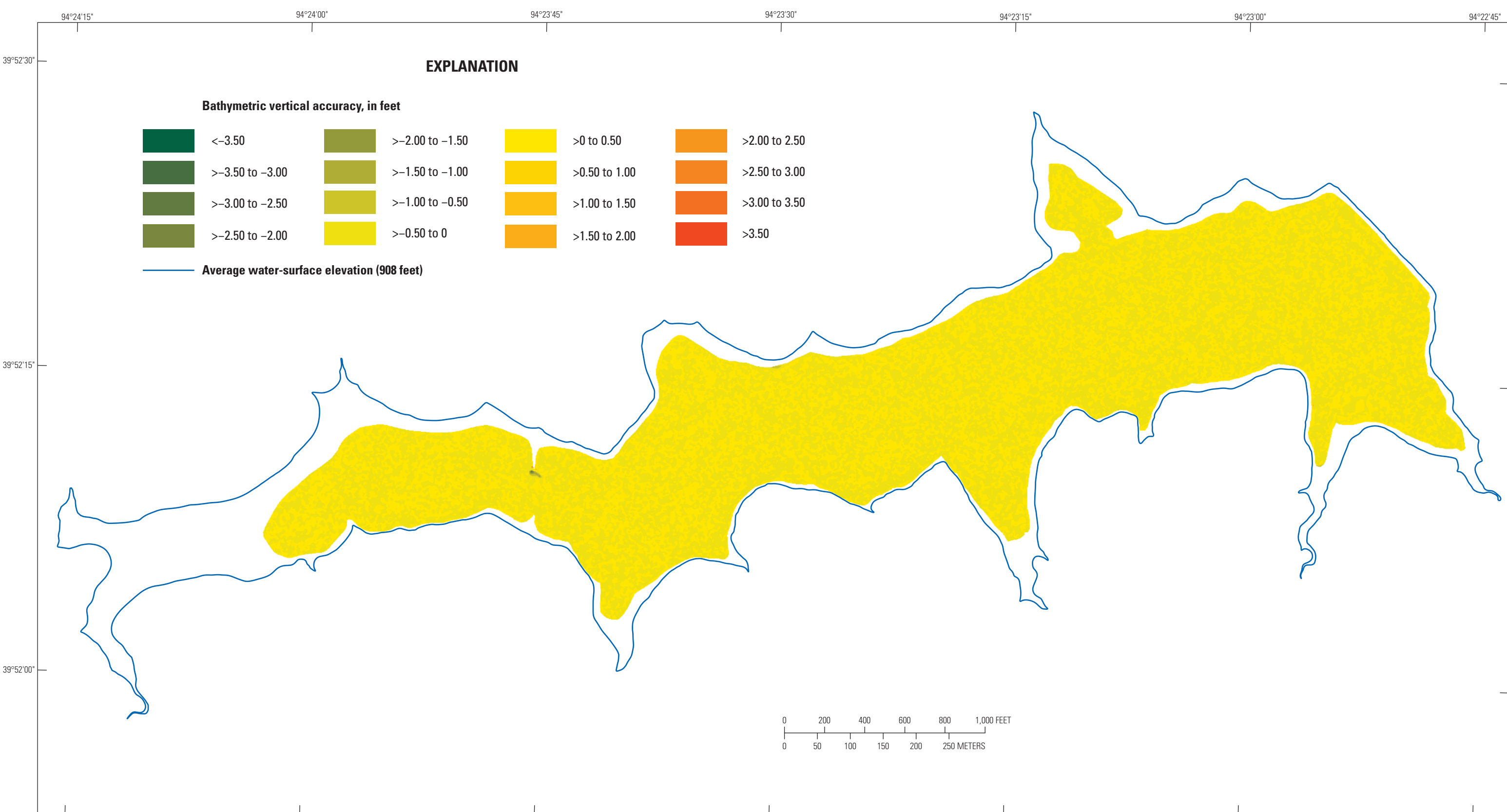


Figure 15. Vertical accuracy of the bathymetric surface of Willow Brook Lake near Maysville, Missouri, 2019.

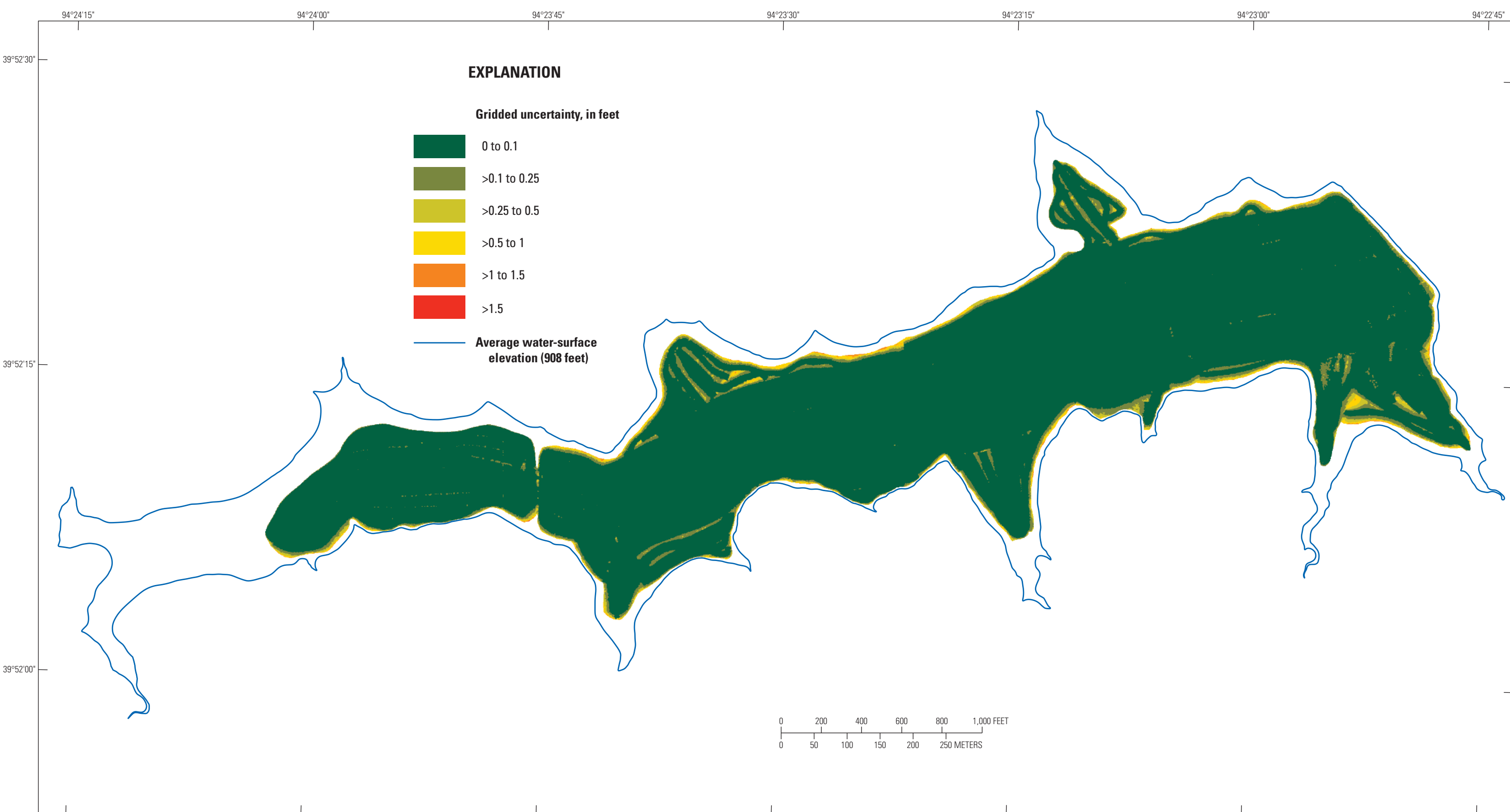


Figure 16. Gridded uncertainty of the bathymetric surface of Willow Brook Lake near Maysville, Missouri, 2019.

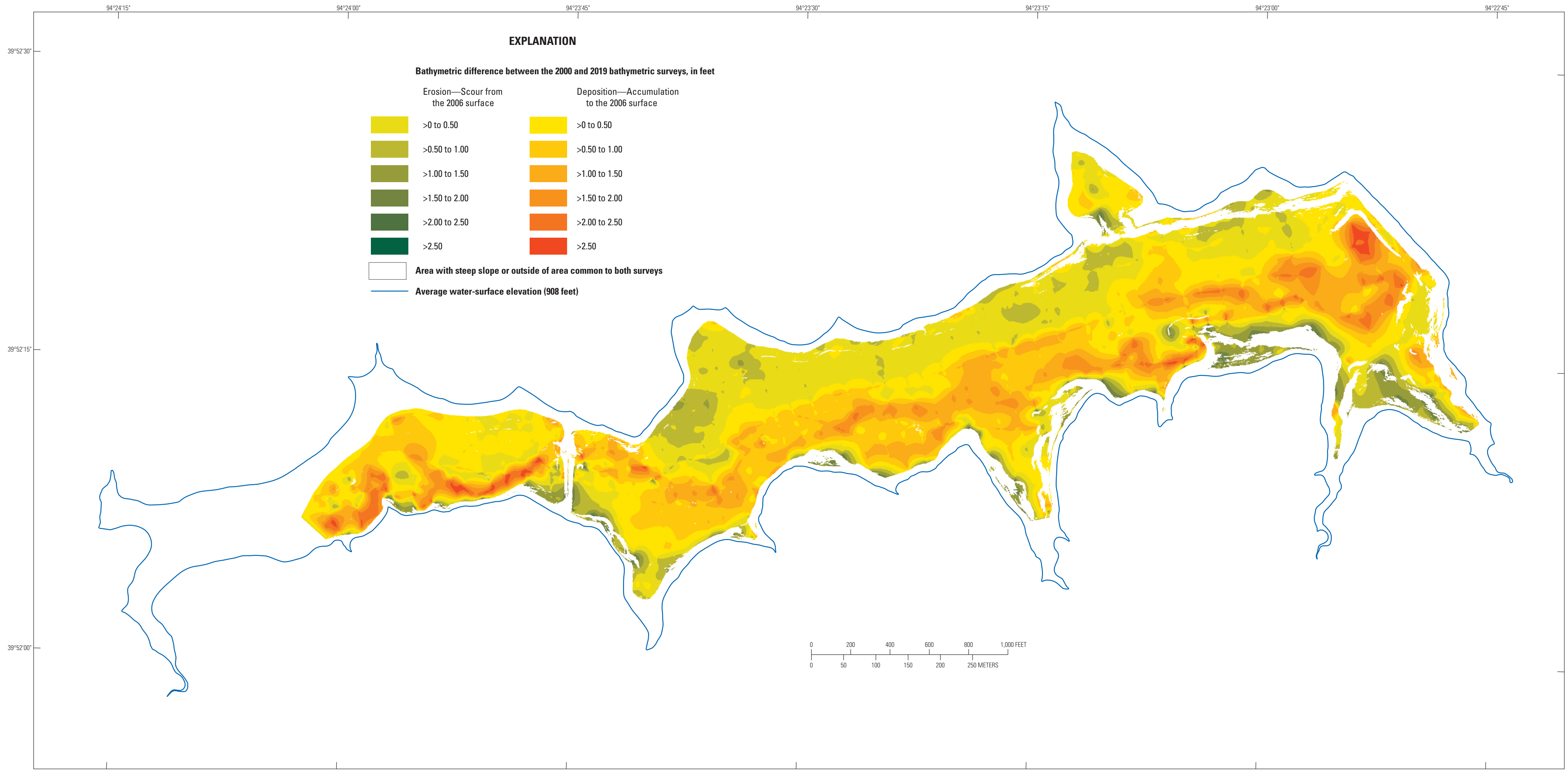


Figure 17. Bathymetric change between the 2000 survey and the 2019 survey of Willow Brook Lake near Maysville, Missouri.

Bathymetric Contour Map, Surface Area and Capacity Table, and Bathymetric Change Map for Willow Brook Lake near Maysville, Missouri, 2019

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2022