

Table 10. Surface area and capacity at specified water-surface elevations for Harrison County Lake near Bethany, Missouri, September 4–5, 2019.

[Primary intake elevation is about 960.4 feet and the emergency spillway elevation is about 970.8 feet; the average water-surface elevation during the survey was about 960.8 feet (row shaded in the table)]

Water-surface elevation,* in feet	Surface area, in acres	Capacity,* in acre-feet
934.0	0.10	0.00
936.0	1.30	1.20
938.0	3.30	5.70
940.0	8.20	16.7
942.0	19.4	43.5
944.0	38.4	102
946.0	58.1	198
948.0	75.5	332
950.0	99.3	505
952.0	129	732
954.0	164	1,020
956.0	193	1,380
958.0	218	1,790
960.0	243	2,260
960.4	247	2,350
960.8	252	2,450
962.0	269	2,770
964.0	329	3,350
966.0	381	4,070
968.0	424	4,870
970.0	468	5,760
970.8	484	6,140

*Elevations are referenced to the North American Vertical Datum of 1988 using the geoid model GEOID12b.

*Capacities were calculated from surface testing at 0.05-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.

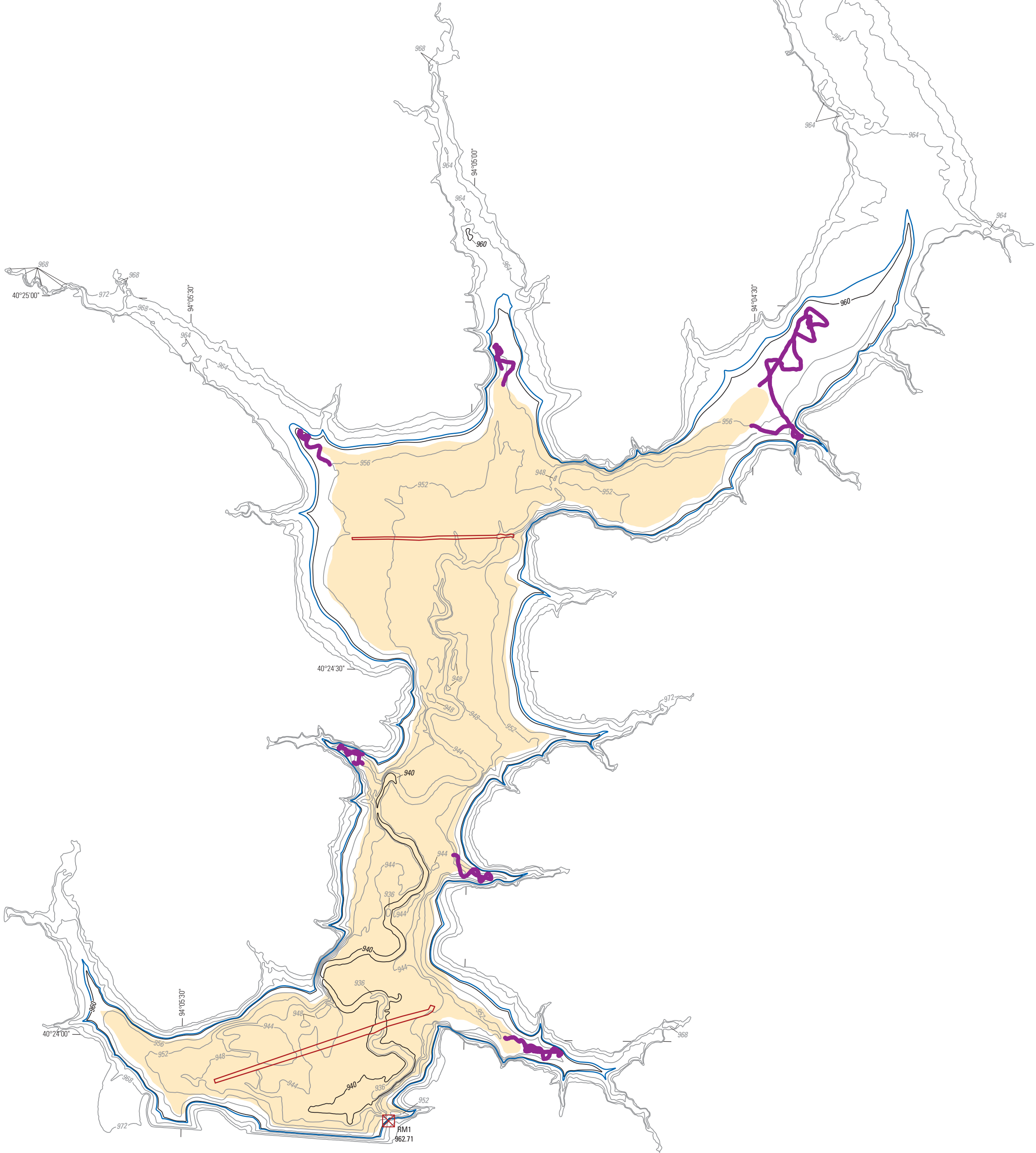
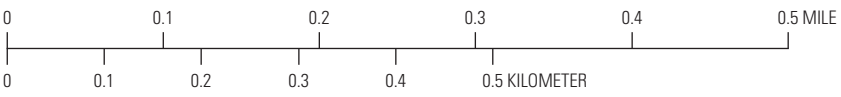


Figure 37. Bathymetric contours for Harrison County Lake (lake 8; fig. 1; table 1) near Bethany, Missouri, resulting from a survey on September 4–5, 2019.

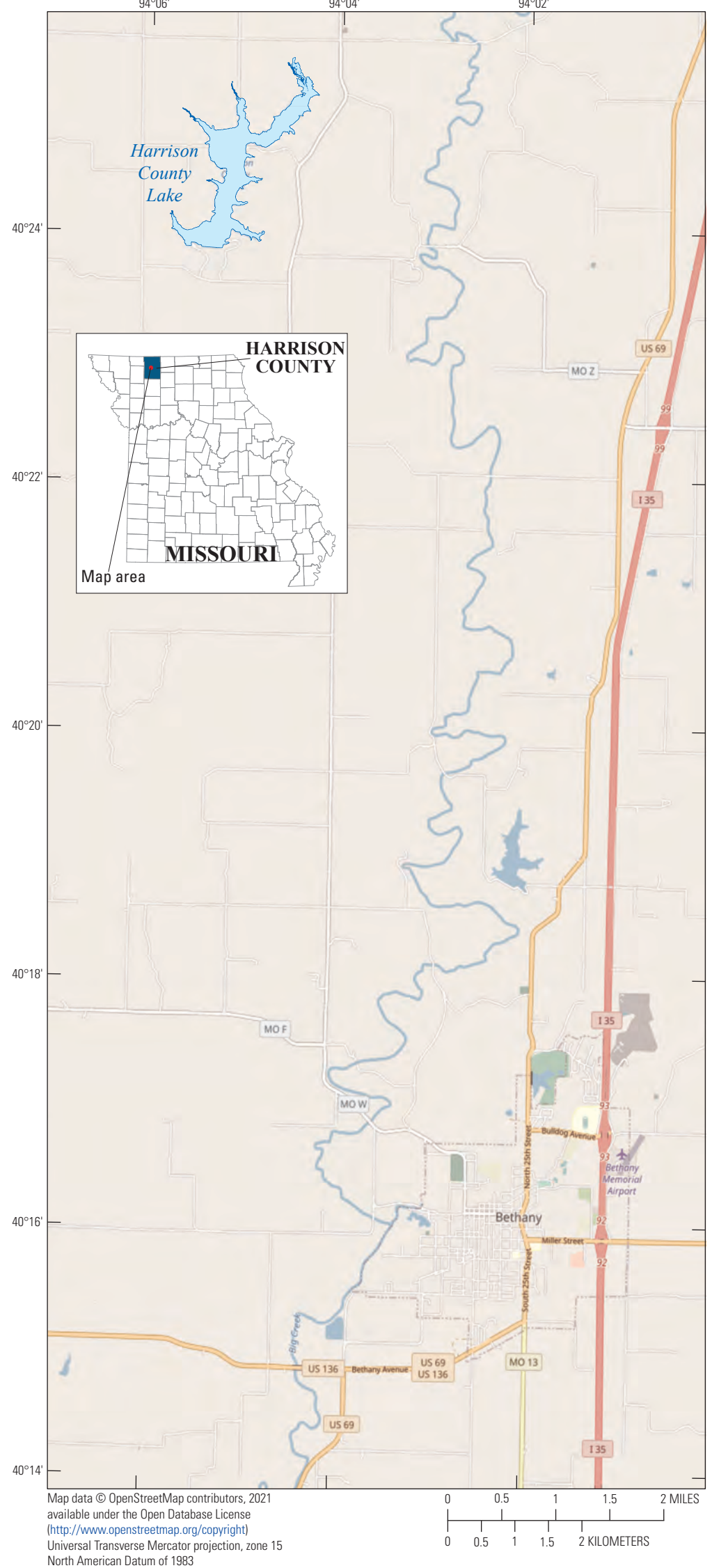
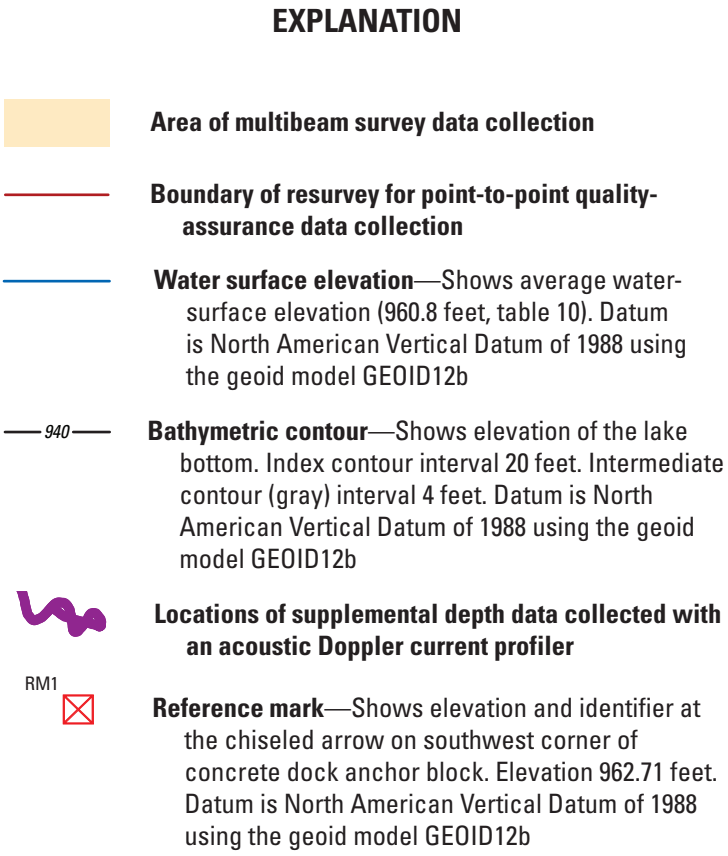


Figure 36. Location of Harrison County Lake near Bethany, Missouri.

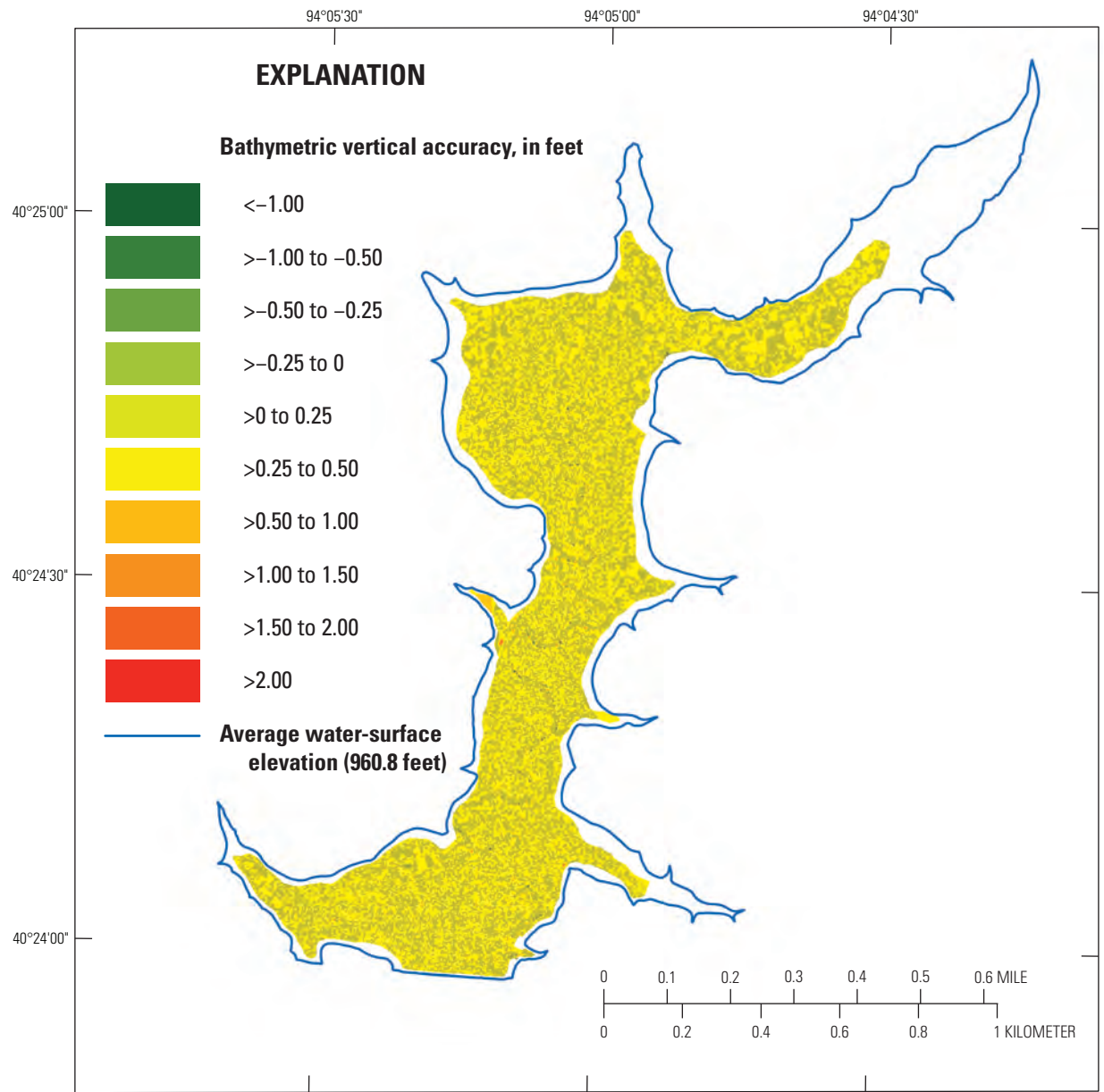


Figure 38. Vertical accuracy of the bathymetric surface of Harrison County Lake near Bethany, Missouri, 2019.

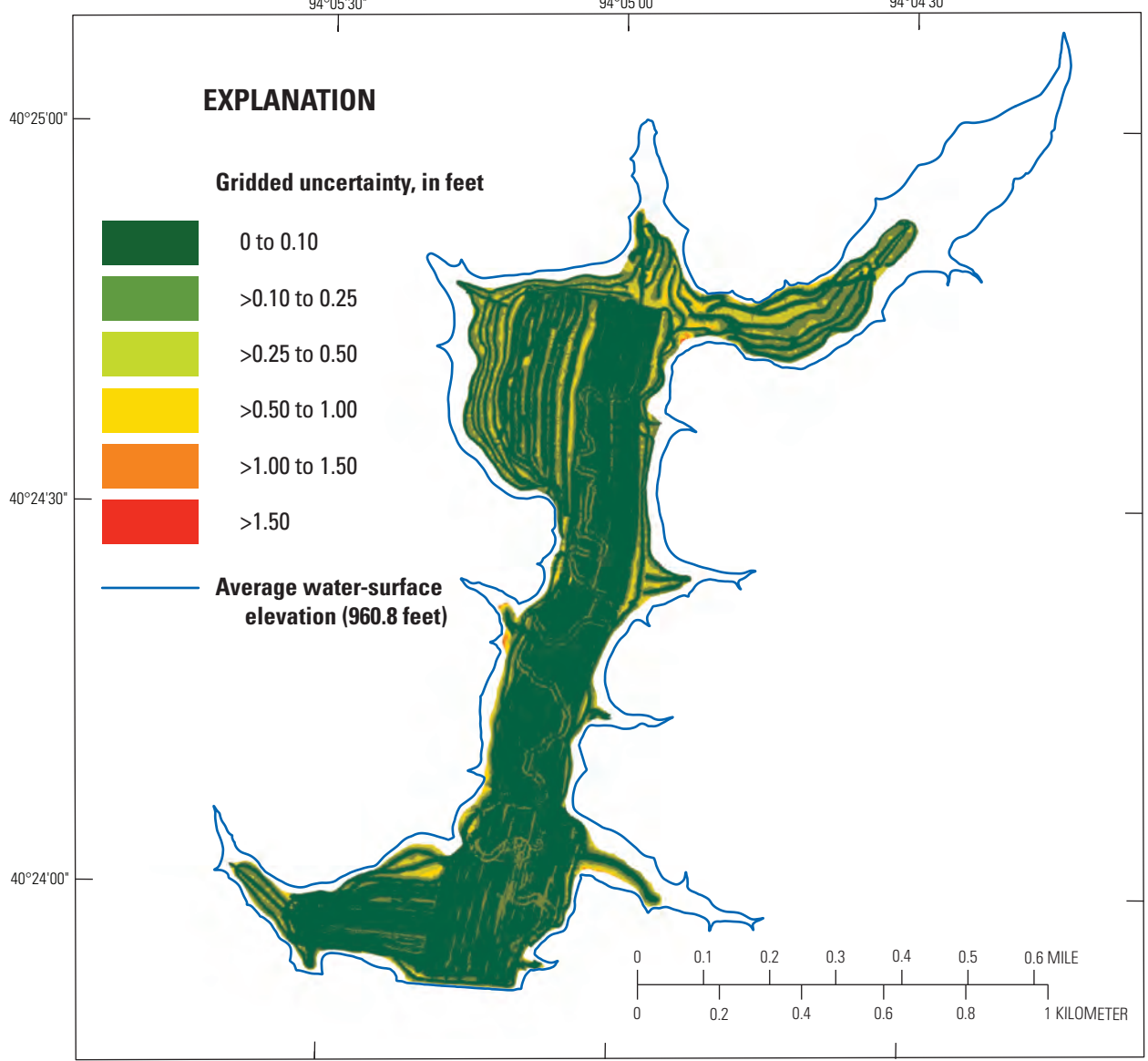


Figure 39. Gridded uncertainty of the bathymetric surface of Harrison County Lake near Bethany, Missouri, 2019.

Bathymetric Contour Map, and Surface Area and Capacity Table for Harrison County Lake near Bethany, Missouri, 2019

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