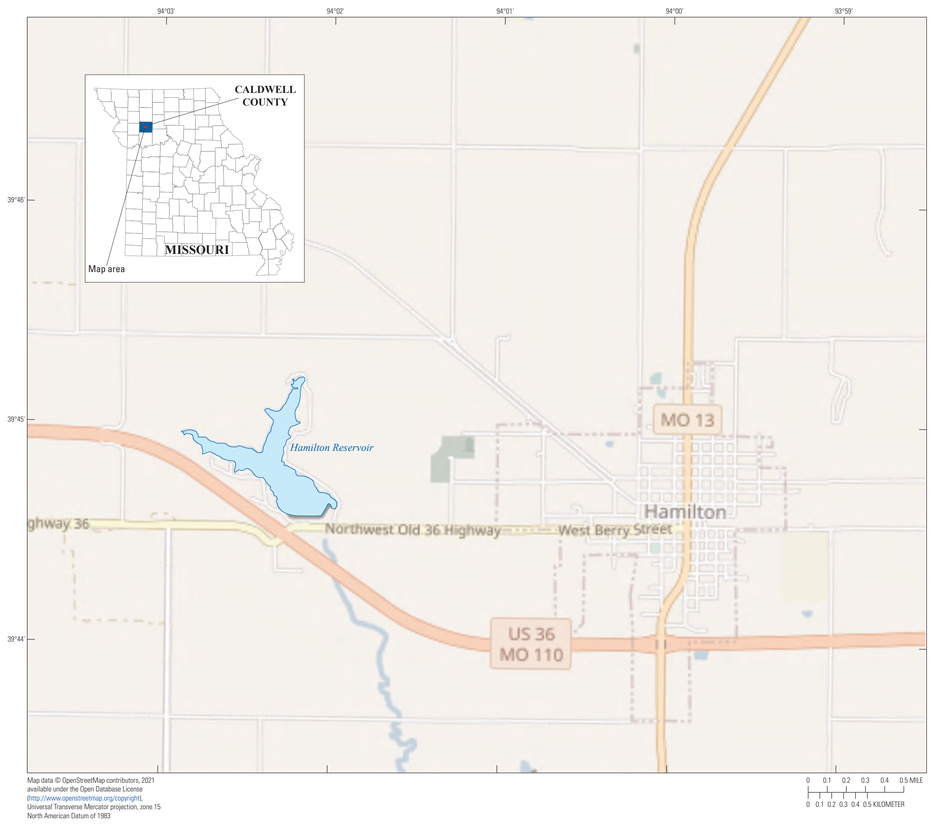

Figure 3. Location of Hamilton Reservoir near Hamilton, Missouri.

Table 3. Surface area and capacity at specified water-surface elevations for Hamilton Reservoir near Hamilton, Missouri, July 16, 2019.

[Spillway elevation is about 926.4 feet; the average water-surface elevation during the survey was about 926.2 feet (row shaded in the table)]

Water-surface elevation,[a] in feet	Surface area, in acres	Capacity,[b] in acre-feet
906.0	0.90	0.30
908.0	5.00	5.80
910.0	11.6	21.9
912.0	19.1	52.2
914.0	26.8	98.2
916.0	36.0	160
918.0	45.6	242
920.0	56.4	344
922.0	65.6	466
924.0	74.7	607
926.0	84.4	765
926.2	85.5	782
926.4	86.6	800

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

[b]Capacities were calculated from surface testing at 0.04-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.

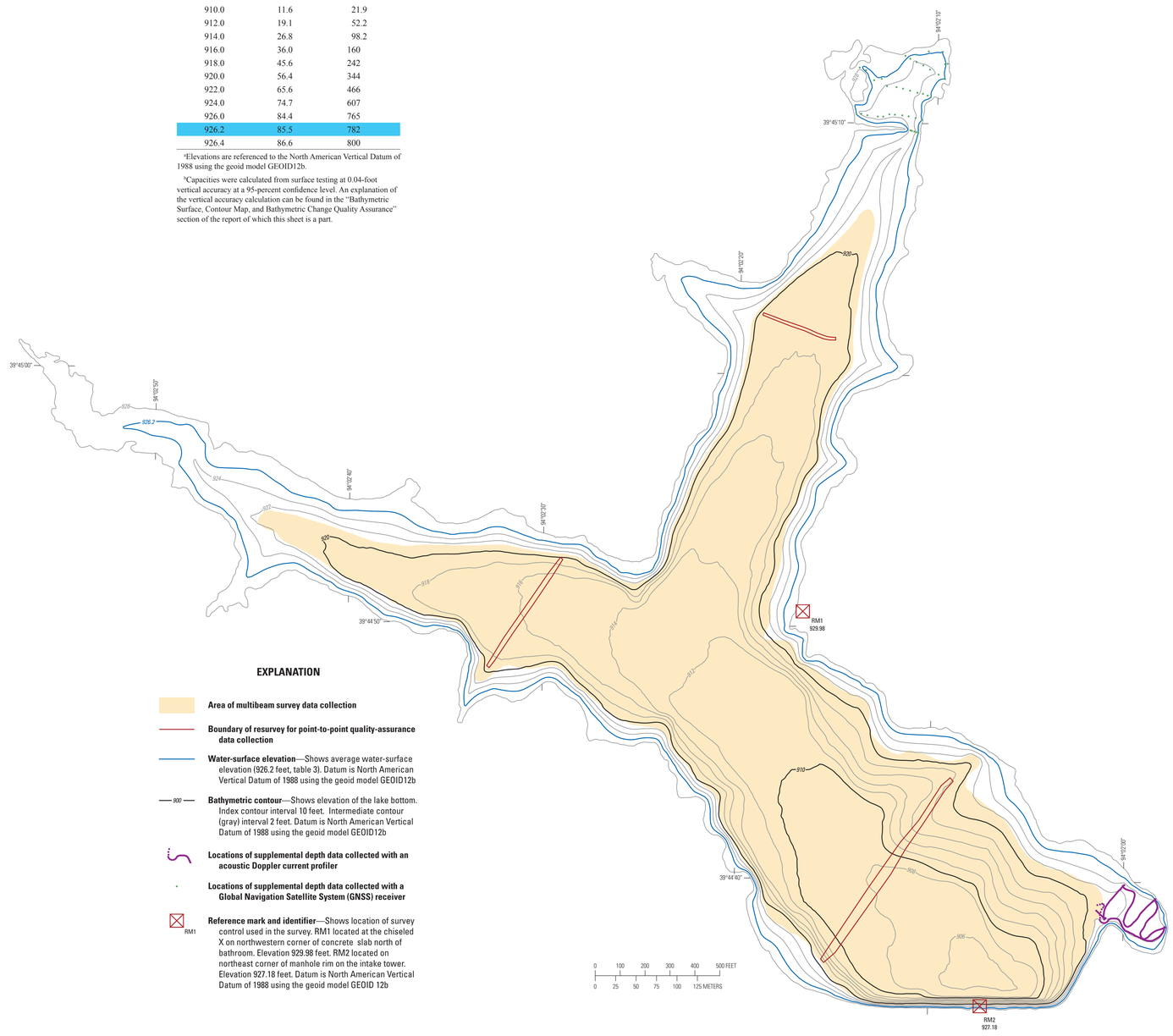

Figure 4. Bathymetric contours for Hamilton Lake (lake 1; fig. 1; table 1) near Hamilton, Missouri, resulting from a survey on July 16, 2019.

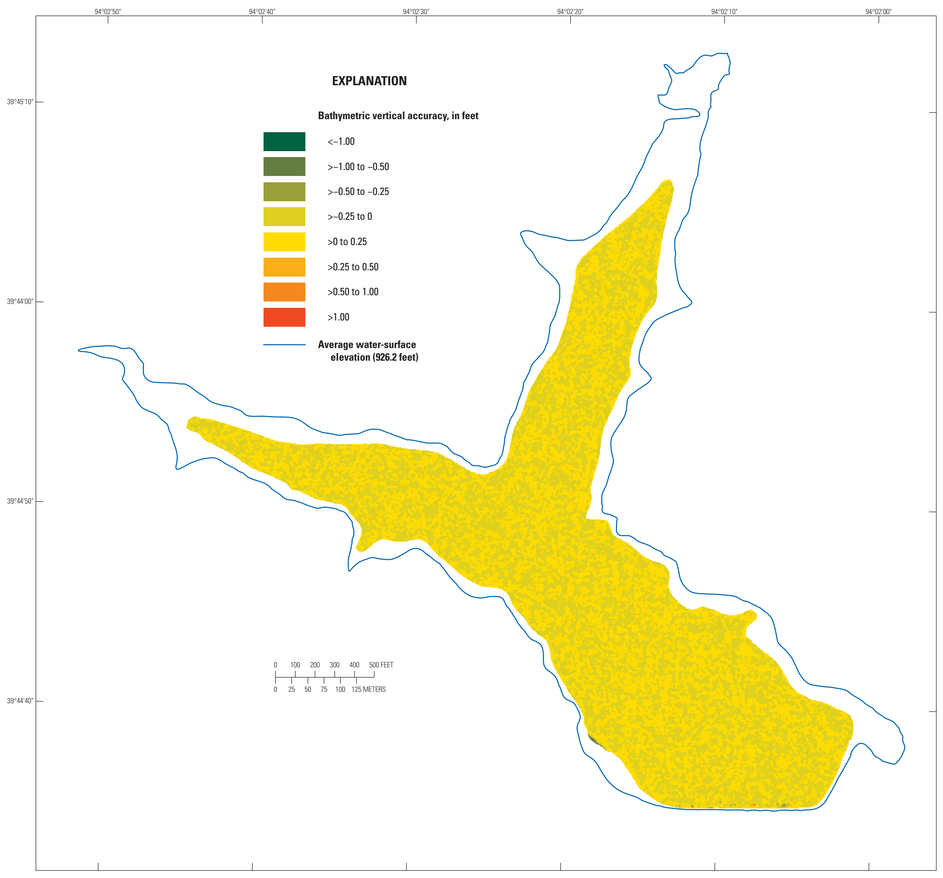

Figure 5. Vertical accuracy of the bathymetric surface of Hamilton Reservoir near Hamilton, Missouri, 2019.

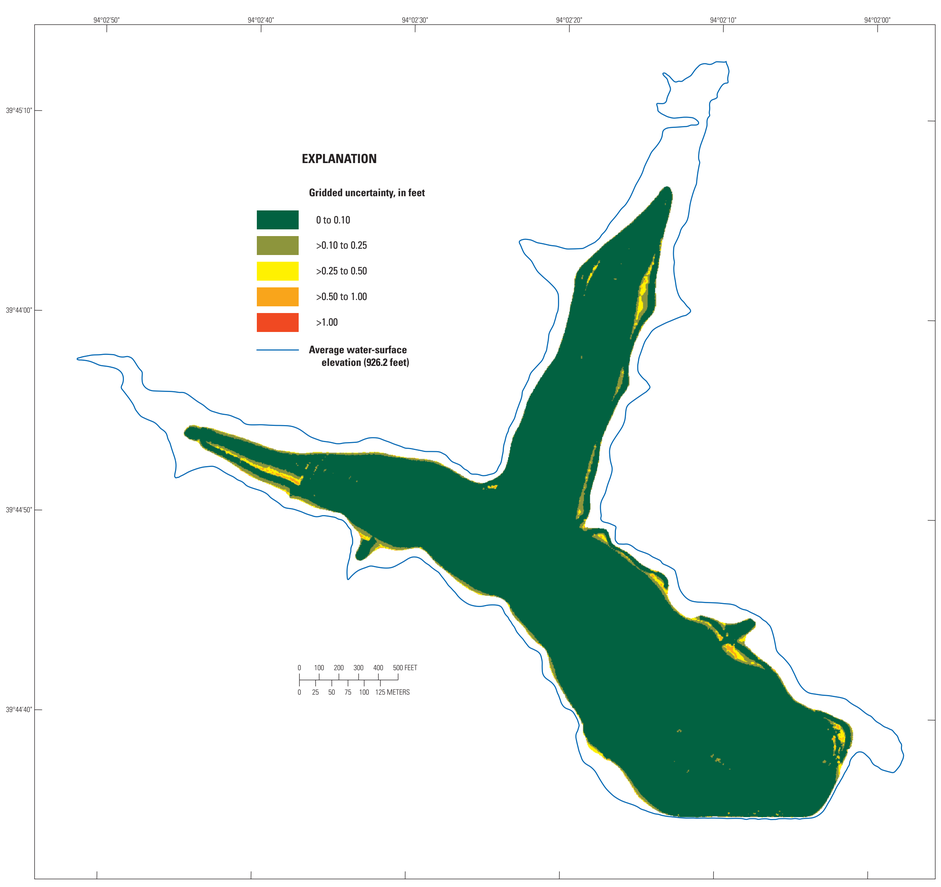

Figure 6. Gridded uncertainty of the bathymetric surface of Hamilton Reservoir near Hamilton, Missouri, 2019.

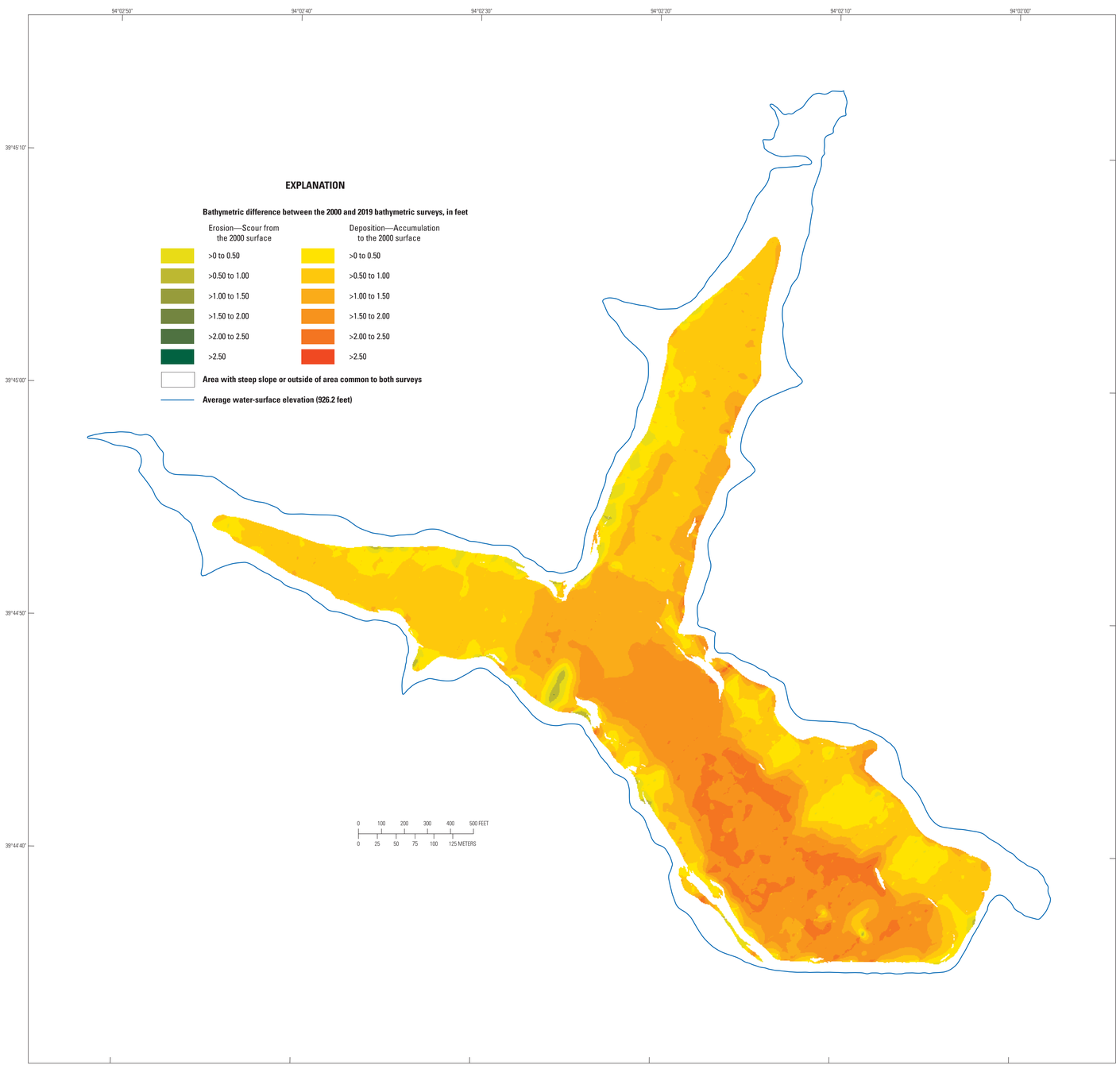

Figure 7. Bathymetric change between the 2000 survey and the 2019 survey of Hamilton Reservoir near Hamilton, Missouri.

Bathymetric Contour Map, Surface Area and Capacity Table, and Bathymetric Change Map for Hamilton Reservoir near Hamilton, Missouri, 2019

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