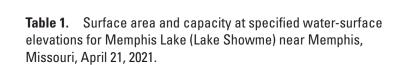


U.S. Department of the Interior

U.S. Geological Survey

Prepared in cooperation with the

Missouri Department of Natural Resources

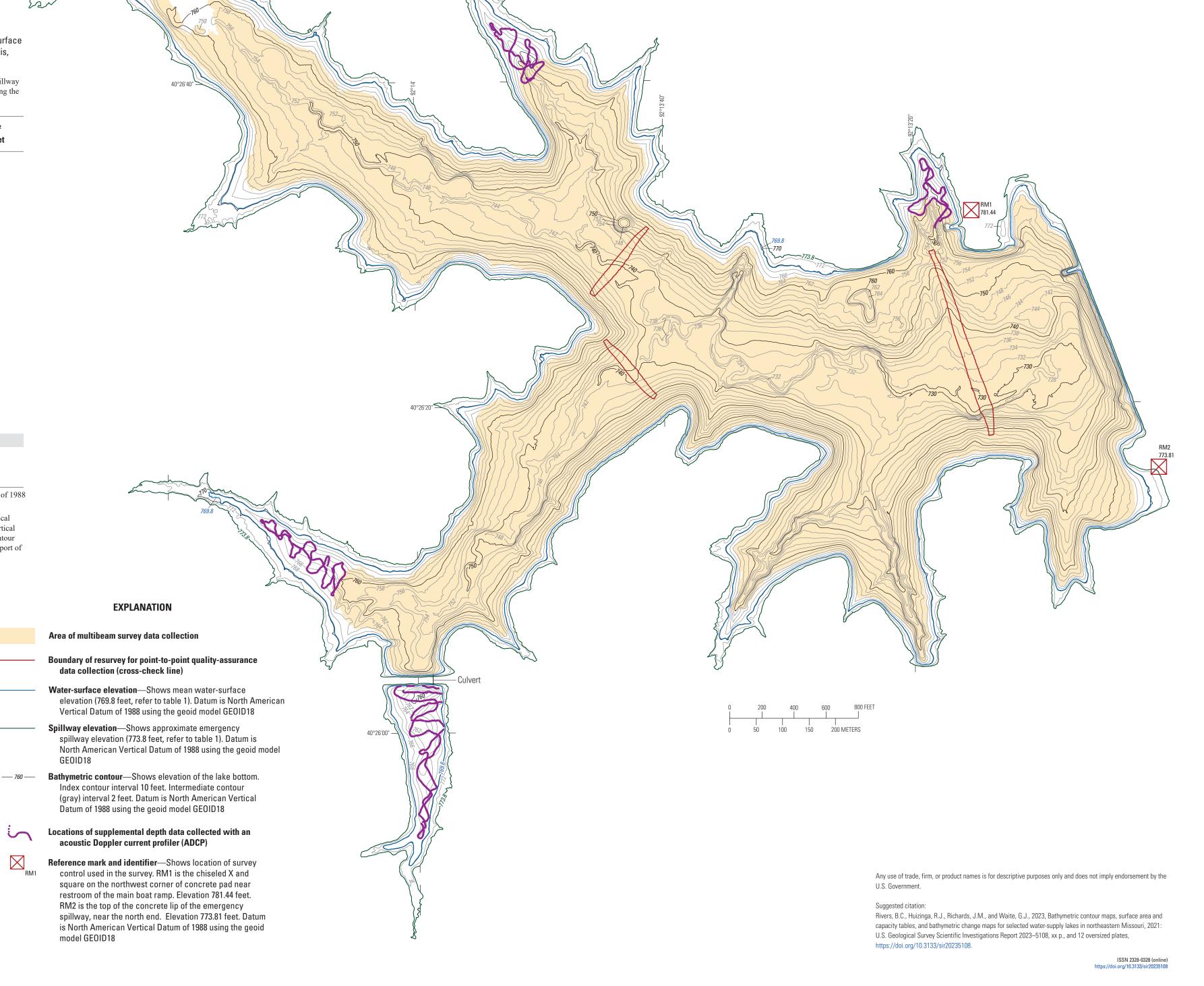


[Primary drop inlet elevation is about 769.8 feet, and emergency spillway elevation is about 773.8 feet; the mean water-surface elevation during the survey was about 769.8 feet (row shaded in the table)]

Water-surface elevation, ¹ in feet	Surface area, in acres	Capacity,² in acre-feet
728.0	0.34	0.17
730.0	3.02	2.77
732.0	7.91	13.6
734.0	13.4	34.7
736.0	19.6	67.7
738.0	26.4	113
740.0	34.7	174
742.0	42.9	252
744.0	53.0	347
746.0	63.7	464
748.0	74.8	602
750.0	87.1	764
752.0	100	951
754.0	115	1,170
756.0	130	1,410
758.0	146	1,690
760.0	162	1,990
762.0	178	2,330
764.0	195	2,710
766.0	211	3,110
768.0	229	3,550
769.8	247	3,980
770.0	250	4,030
772.0	272	4,550
773.8	294	5,060

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

²Capacities were calculated from surface testing at 0.13-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 Memphis Lake (Lake Showme; lake 28) near Memphis, Missouri, 2021