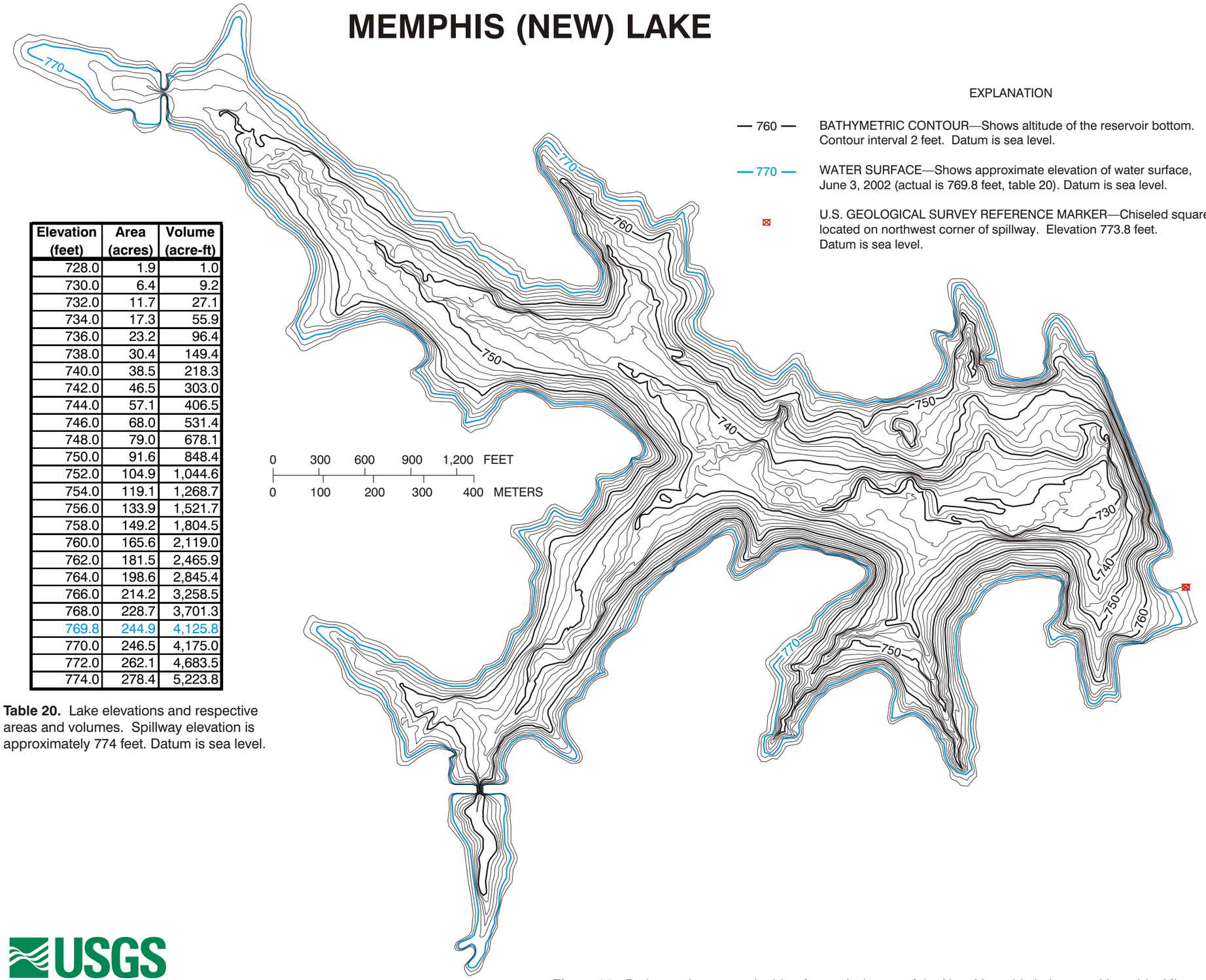
MEMPHIS (NEW) LAKE



EXPLANATION

— 760 — BATHYMETRIC CONTOUR—Shows altitude of the reservoir bottom. Contour interval 2 feet. Datum is sea level.

— 770 — WATER SURFACE—Shows approximate elevation of water surface, June 3, 2002 (actual is 769.8 feet, table 20). Datum is sea level.

⊠ U.S. GEOLOGICAL SURVEY REFERENCE MARKER—Chiseled square located on northwest corner of spillway. Elevation 773.8 feet. Datum is sea level.

Elevation (feet)	Area (acres)	Volume (acre-ft)
728.0	1.9	1.0
730.0	6.4	9.2
732.0	11.7	27.1
734.0	17.3	55.9
736.0	23.2	96.4
738.0	30.4	149.4
740.0	38.5	218.3
742.0	46.5	303.0
744.0	57.1	406.5
746.0	68.0	531.4
748.0	79.0	678.1
750.0	91.6	848.4
752.0	104.9	1,044.6
754.0	119.1	1,268.7
756.0	133.9	1,521.7
758.0	149.2	1,804.5
760.0	165.6	2,119.0
762.0	181.5	2,465.9
764.0	198.6	2,845.4
766.0	214.2	3,258.5
768.0	228.7	3,701.3
769.8	244.9	4,125.8
770.0	246.5	4,175.0
772.0	262.1	4,683.5
774.0	278.4	5,223.8

Table 20. Lake elevations and respective areas and volumes. Spillway elevation is approximately 774 feet. Datum is sea level.

LOCATION MAP

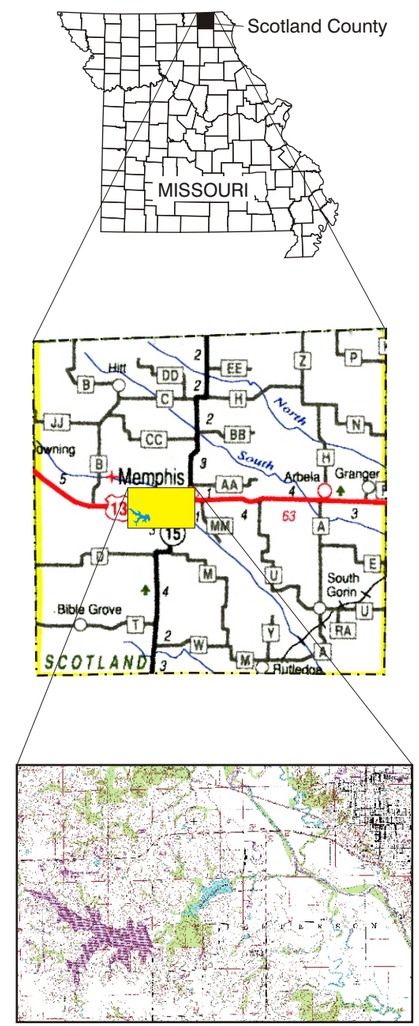


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Figure 20. Bathymetric map and table of areas/volumes of the New Memphis Lake near Memphis, Missouri.