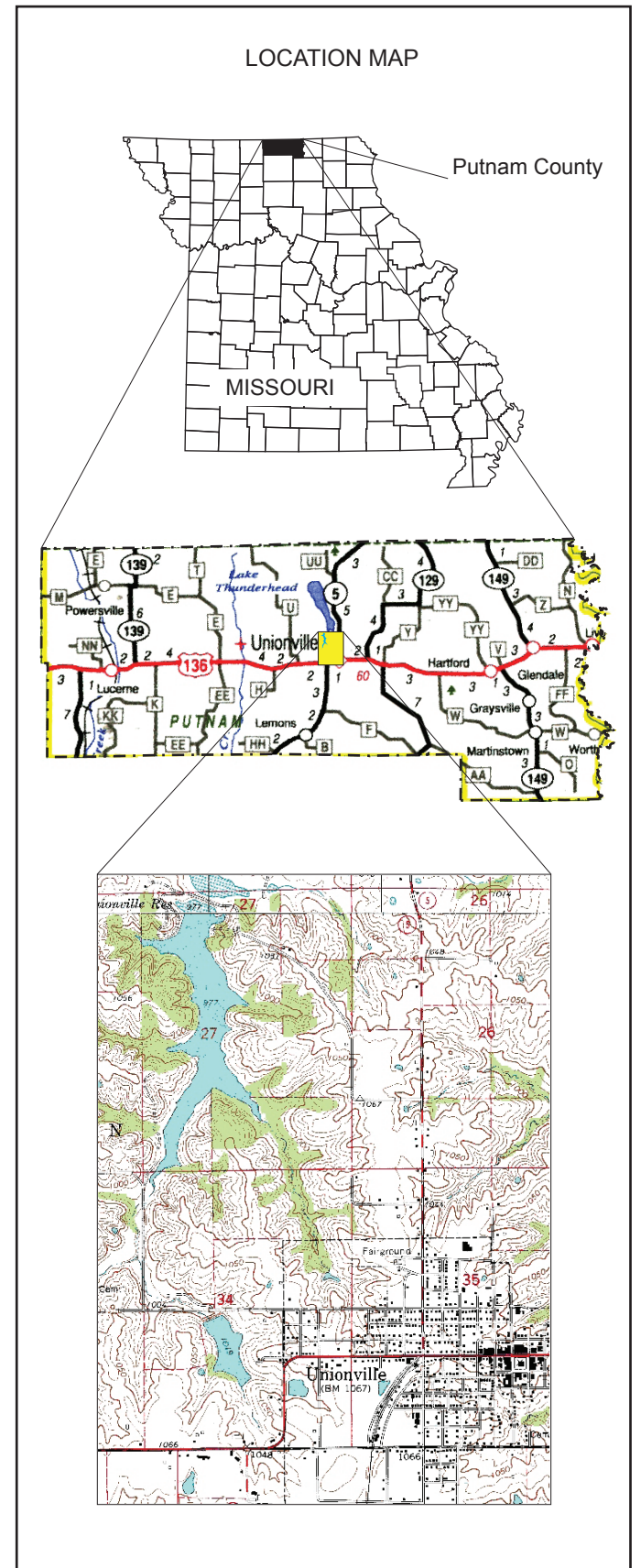


Elevation (feet)	Area (acres)	Volume (acre-ft)
959.0	1.1	0.3
961.0	7.4	8.5
963.0	14.4	30.2
965.0	21.8	66.2
967.0	31.1	120
969.0	39.1	190
971.0	45.9	274
973.0	52.5	373
975.0	60.1	485
977.0	72.3	618
<b>977.3</b>	<b>75.5</b>	<b>640</b>

Table A33. Lake elevations and respective surface areas and volumes. Approximate elevation of spillway structure is 977.0 feet. Elevations referenced to North American Vertical Datum of 1988 (NAVD88). Note: Volumes calculated from surface testing 1.50 feet vertical accuracy at 95 percent confidence level.



### EXPLANATION

- 971 — BATHYMETRIC CONTOUR—Shows elevation of the reservoir bottom. Contour interval 2 feet. Contours tested 2.47 feet vertical accuracy at 95 percent confidence level. Vertical datum is NAVD88.
- 977 — WATER SURFACE—Shows approximate elevation of water surface, April 6, 2004 (actual was 977.3 feet, table A33). Vertical datum is NAVD88.
- ▣ U.S. GEOLOGICAL SURVEY REFERENCE MARKER—Chiseled arrow located on curb located on north side of boat ramp. Elevation 977.4 feet. Vertical datum is NAVD88.

Figure A33. Bathymetric map and area/volume table for Lake Mahoney near Unionville, Missouri.

