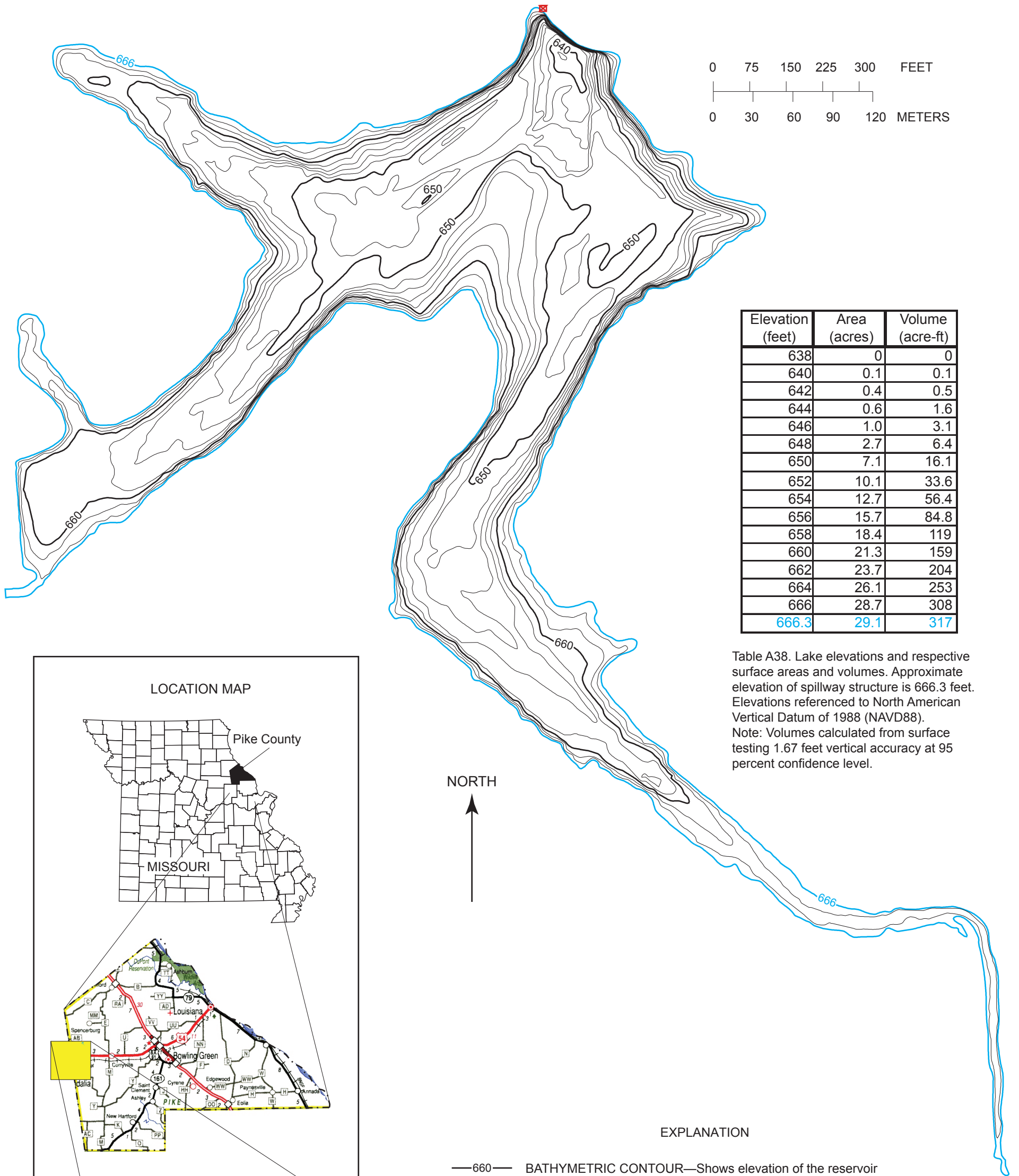
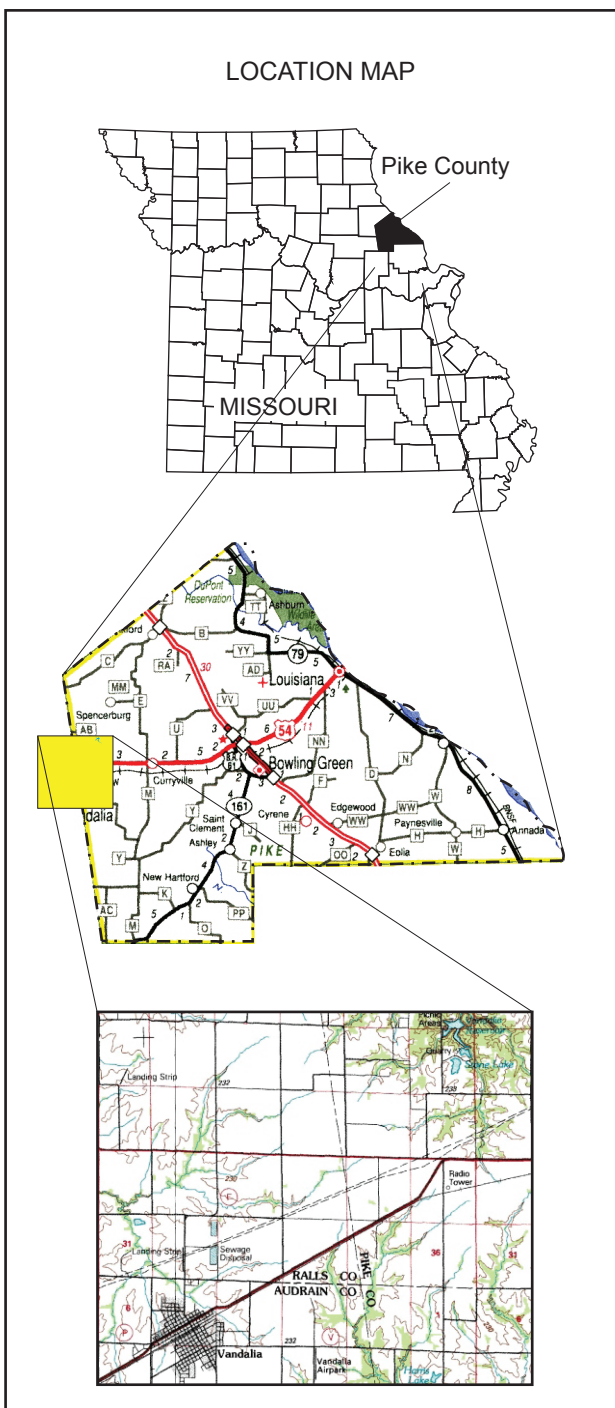


VANDALIA RESERVOIR



Elevation (feet)	Area (acres)	Volume (acre-ft)
638	0	0
640	0.1	0.1
642	0.4	0.5
644	0.6	1.6
646	1.0	3.1
648	2.7	6.4
650	7.1	16.1
652	10.1	33.6
654	12.7	56.4
656	15.7	84.8
658	18.4	119
660	21.3	159
662	23.7	204
664	26.1	253
666	28.7	308
666.3	29.1	317

Table A38. Lake elevations and respective surface areas and volumes. Approximate elevation of spillway structure is 666.3 feet. Elevations referenced to North American Vertical Datum of 1988 (NAVD88). Note: Volumes calculated from surface testing 1.67 feet vertical accuracy at 95 percent confidence level.



EXPLANATION

- 660 — BATHYMETRIC CONTOUR—Shows elevation of the reservoir bottom. Contour interval 2 feet. Contours tested 1.73 feet vertical accuracy at 95 percent confidence level. Vertical datum is NAVD88.
- 666 — WATER SURFACE—Shows approximate elevation of water surface, February 23-24, 2005 (actual was 666.3 feet, table A38). Vertical datum is NAVD88.
- U.S. GEOLOGICAL SURVEY REFERENCE MARKER—Southeast corner of 10 inch channel 28 feet northwest of intake house. Elevation 674.4 feet. Vertical datum is NAVD88.