

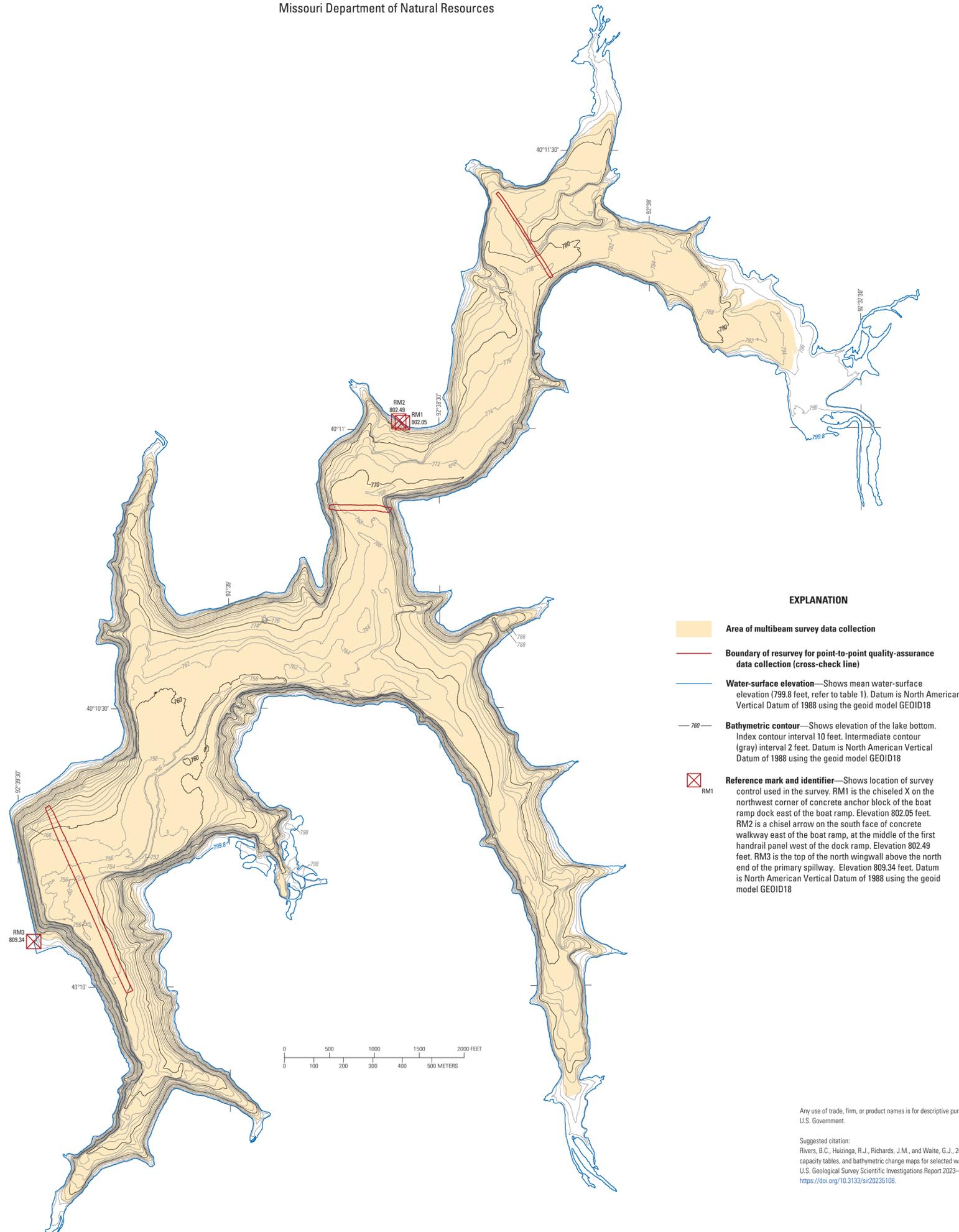
Table 1. Surface area and capacity at specified water-surface elevations for Forest Lake near Kirksville, Missouri, May 3–4, 2021.

[Primary spillway elevation is about 799.8 feet; the mean water-surface elevation during the survey was about 799.8 feet (row shaded in the table)]

| Water-surface elevation, ¹ in feet | Surface area, in acres | Capacity, ² in acre-feet |
|---|------------------------|-------------------------------------|
| 752.0 | 0.27 | 0.04 |
| 754.0 | 2.27 | 2.95 |
| 756.0 | 9.70 | 11.5 |
| 758.0 | 33.3 | 56.7 |
| 760.0 | 58.5 | 147 |
| 762.0 | 83.3 | 291 |
| 764.0 | 102 | 474 |
| 766.0 | 127 | 704 |
| 768.0 | 150 | 980 |
| 770.0 | 179 | 1,310 |
| 772.0 | 205 | 1,690 |
| 774.0 | 231 | 2,130 |
| 776.0 | 253 | 2,610 |
| 778.0 | 273 | 3,140 |
| 780.0 | 298 | 3,710 |
| 782.0 | 325 | 4,330 |
| 784.0 | 354 | 5,010 |
| 786.0 | 382 | 5,750 |
| 788.0 | 405 | 6,540 |
| 790.0 | 429 | 7,370 |
| 792.0 | 452 | 8,250 |
| 794.0 | 477 | 9,180 |
| 796.0 | 502 | 10,200 |
| 798.0 | 537 | 11,200 |
| 799.8 | 572 | 12,200 |

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

²Capacities were calculated from surface testing at 0.25-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.



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Bathymetric Contour Map and Surface Area and Capacity Table for Forest Lake (lake 34) near Kirksville, Missouri, 2021

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