

Patterson Lake Area-Capacity Table

| Given Information  |                          |              |                  |                      | Assumed Area-Capacity |                |              |                      |                       |
|--|--------------------------|--------------|------------------|----------------------|-----------------------|----------------|--------------|----------------------|-----------------------|
|  | CH2M Hill 1981 - Old Dam |              |                  | DOT Design - New Dam |                       | Elevation (ft) | Area (acres) | Total Volume (ac-ft) | Active Volume (ac-ft) |
|  | Elevation (ft)           | Area (acres) | Active V (ac-ft) | Elevation (ft)       |                       |                |              |                      |                       |
| Top of Dam   |                          |              |                  | 2410                 |                       | 2410           | 150          | 7150                 | 4850                  |
| Top of South End Lake  |                          |              |                  |                      |                       | 2408           | 148          | 6850                 | 4550                  |
| Top of Old Dam   | 2395                     |              | 3800             |                      |                       | 2403           | 143          | 6125                 | 3825                  |
| Top of Spill   | 2392                     | 150          | 3330             | 2400                 |                       | 2400           | 140          | 5700                 | 3400                  |
| Bottom New Spill Pipe  |                          |              |                  | 2396                 |                       | 2396           | 136          | 5100                 | 2800                  |
| WCRD Low Pool  |                          |              |                  |                      |                       | 2390           | 130          | 4300                 | 2000                  |
| Top of Outlet Pipe   |                          |              |                  |                      |                       | 2375           | 100          | 2300                 | 0                     |
| Bottom Lake  |                          |              |                  |                      |                       | 2305           | 0            | 0                    |                       |
| State Dept of Game: Jan, 1950 Area 130.5 acres, Volume 4298 ac-ft, Max Depth 85 ft |                          |              |                  |                      |                       |                |              |                      |                       |

