

## SURFACE WATER ELEVATION

Paddock Lake is a “Kettle” lake formed by glaciers. The lake is 132 acres in size with a maximum depth of 32 feet and has an approximate water volume of 1,281 (acre feet). The lakes watershed is approximately 265 acres in size.

The lake drains from an outfall (spillway) located in the Southeast corner of the lake. This spillway has an intermittent flow of lake water, with a surface elevation of 794.2. Generally, the stream flows during spring and summer months, but often ceases to flow water out of the lake in July and August.

The lake surface water elevation is monitored weekly, below lists the 2021 lake’s surface water elevations using National Geodetic Vertical Datum of 1929 (NGVD 29), previously referred to as Sea Level datum of 1929.

### 2021 SURFACE WATER ELEVATION

| Date              | WEEKLY PRECIPITATION | NGVD DATUM ELEVATION |
|-------------------|----------------------|----------------------|
| March 18, 2021    | .36 inches           | 795.1                |
| April 12, 2021    | .66 inches           | 794.65               |
| April 26, 2021    | .10 inches           | 794.5                |
| May 3, 2021       | 0                    | 794.4                |
| May 18, 2021      | .22 inches           | 794.21               |
| May 24, 2021      | .69 inches           | 794.25               |
| June 1, 2021      | .64 inches           | 794.166              |
| June 14, 2021     | .04 inches           | 793.95               |
| June 21, 2021     | 1.4 inches           | 793.94               |
| June 25, 2021     |                      | 793.88               |
| July 6, 2021      | 0.1 inches           | 793.86               |
| July 12, 2021     | 0.35 inches          | 793.79               |
| July 19, 2021     | 0.2 inches           | 793.73               |
| July 26, 2021     | 0                    | 793.69               |
| August 2, 2021    | 0.2 inches           | 793.59               |
| August 9, 2021    | 0.1 inches           | 793.50               |
| August 16, 2021   | 1.61 inches          | 793.58               |
| August 23, 2021   |                      |                      |
| August 30, 2021   |                      |                      |
| September 7, 2021 |                      |                      |

### Historical Lake Elevations

| Historic levels and dates     | Elevation |
|-------------------------------|-----------|
| Highest level, April of 1993  | 797.2     |
| Lowest level, October of 1993 | 791.3     |

