

Bashan Lake, East Haddam

Water Data 2020

Water data was collected for Bashan Lake on September 25, 2020
by Gregory Bugbee.

Table 1. Dissolved oxygen and temperature. **The transparency (Secchi) was 5.5 m.**

| Latitude | Longitude | Date | Depth (m) | Dissolved Oxygen (mg/L) | Temperature (°C) |
|---------------------------|----------------------------|-----------|-----------|-------------------------|------------------|
| 41.491072 41°29'27.9"N | -72.411051 72°24'39.8"W | 9/25/2020 | 0.5 | 7.8 | 19.9 |
| | | | 1 | 7.6 | 19.7 |
| | | | 2 | 7.3 | 19.4 |
| | | | 3 | 7.8 | 19.3 |
| | | | 4 | 7.1 | 19.2 |
| | | | 5 | 7.4 | 19.2 |
| | | | 6 | 7.1 | 19.1 |
| | | | 7 | 7.1 | 19.1 |
| | | | 8 | 6.8 | 19.0 |
| | | | 9 | 5.3 | 18.2 |
| | | | 10 | 0.1 | 14.1 |
| | | | 11 | 0.1 | 13.0 |
| | | | 12 | 0.1 | 12.6 |
| | | | 13 | 0.1 | 12.3 |
| | | | 14 | 0.1 | 12.1 |
| 15 | 0.6 | 12.7 | | | |

Table 2. Water chemistry

| Depth (m) | Conductivity (µs/cm) | pH | Alkalinity expressed as Calcium Carbonate (mg/L) | Phosphorus (parts per billion) | Nitrogen (parts per billion) |
|-----------|----------------------|-----|--|--------------------------------|------------------------------|
| 0.5 | 64 | 7.4 | 6.8 | 6 | 155 |
| 14.0 | 76 | 6.5 | 19.5 | 16 | 719 |