

Crystal Lake, Middletown

Water Data 2010

Water data was collected for Crystal Lake on September 15, 2010
by Gregory Bugbee and Mark June-Wells.

Table 1. Dissolved oxygen and temperature. **The transparency (Secchi) was 1.7 m.**

| Latitude | Longitude | Date | Depth (m) | Dissolved Oxygen (mg/L) | Temperature (°C) |
|--------------------------|---------------------------|-----------|-----------|-------------------------|------------------|
| 41.52199 41°31'19.2"N | -72.63862 72°38'19.0"W | 9/15/2010 | 0.5 | 8.2 | 20.3 |
| | | | 1 | 8.3 | 20.3 |
| | | | 2 | 7.3 | 20.0 |
| | | | 3 | 6.2 | 19.9 |
| | | | 4 | 6.3 | 19.7 |
| | | | 5 | 0.2 | 18.5 |
| | | | 6 | 0.0 | 14.4 |

Table 2. Water chemistry

| Date | Depth (m) | Conductivity (µs/cm) | pH | Alkalinity expressed as Calcium Carbonate (mg/L) | Phosphorus (parts per billion) |
|-----------|-----------|----------------------|-----|--|--------------------------------|
| 9/15/2010 | 0.5 | 105 | 7.0 | 33.8 | 35.8 |
| | 6.0 | 190 | 6.6 | 80.3 | 83.4 |