

Lake Quonnipaug, Guilford

Water Data 2015

Water data was collected for Lake Quonnipaug on July 17, 2015
by Gregory Bugbee, Jennifer Fanzutti, and Summer Stebbins.

Table 1. Dissolved oxygen and temperature. The transparency (Secchi) was 3.0 m.

| Latitude | Longitude | Date | Depth (m) | Dissolved Oxygen (mg/L) | Temperature (°C) |
|--------------------------|---------------------------|-----------|-----------|-------------------------|------------------|
| 41.39178 41°23'30.4"N | -72.69698 72°41'49.1"W | 7/17/2015 | 0.5 | 8.8 | 23.6 |
| | | | 1 | 8.8 | 23.6 |
| | | | 2 | 8.7 | 23.6 |
| | | | 3 | 8.1 | 23.5 |
| | | | 4 | 8.1 | 21.8 |
| | | | 5 | 10.0 | 17.9 |
| | | | 6 | 13.9 | 11.5 |
| | | | 7 | 11.0 | 8.2 |
| | | | 8 | 8.8 | 6.6 |
| | | | 9 | 5.4 | 5.5 |
| | | | 10 | 2.4 | 4.7 |
| 11 | 1.8 | 4.3 | | | |

Table 2. Water chemistry

| Date | Depth (m) | Conductivity (µs/cm) | pH | Alkalinity expressed as Calcium Carbonate (mg/L) | Phosphorus (parts per billion) |
|-----------|-----------|----------------------|-----|--|--------------------------------|
| 7/17/2015 | 0.5 | 170 | 7.6 | 26 | 13 |
| | 14.0 | 179 | 6.5 | 24 | 45 |