

# Beseck Lake, Middlefield

## Water Data 2024

Water data was collected for Beseck Lake on June 13<sup>th</sup>, 2024 by Greg Bugbee, Summer Weidman, Madison Manke, and Ella Nastri.

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

| Latitude                 | Longitude                  | Date      | Depth (m) | Dissolved Oxygen (mg/L) | Temperature (°C) |
|--------------------------|----------------------------|-----------|-----------|-------------------------|------------------|
| 41.51812<br>41°31'05.2"N | -72.730237<br>72°43'48.9"W | 6/13/2024 | 0.5       | 9.5                     | 24.8             |
|                          |                            |           | 1         | 9.5                     | 24.7             |
|                          |                            |           | 2         | 9.8                     | 23.9             |
|                          |                            |           | 3         | 8.7                     | 22.7             |
|                          |                            |           | 4         | 0.4                     | 17.8             |

**Table 2.** Water chemistry

|           | Depth (m) | Conductivity (µs/cm) | pH  | Turbidity (FNU) | Alkalinity (CaCO <sub>3</sub> mg/L) | Phosphorus (ppb) | Nitrogen (ppb) |
|-----------|-----------|----------------------|-----|-----------------|-------------------------------------|------------------|----------------|
| 6/13/2024 | 0.5       | 146                  | 9.0 | 3.1             | 79.5                                | 12               | TBD            |
|           | 4.0       | 134                  | 7.1 | 3.8             | 79.5                                | 29               | TBD            |