

# Elbow Lake

(Approximate maximum depth: 2.8 m)

STILLWATER LAKE, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

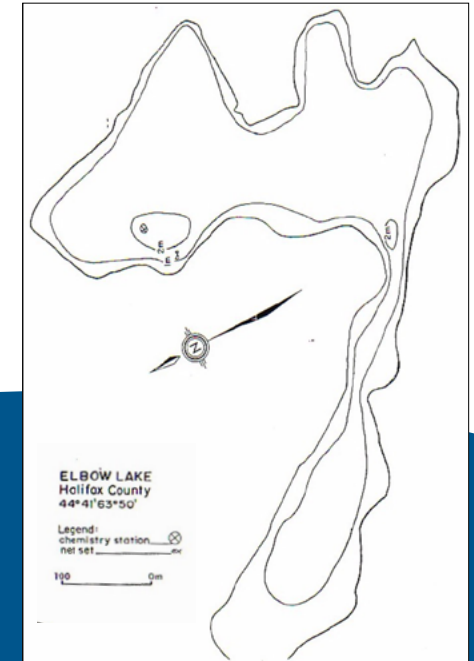
| Parameter                                                 | Spring 22    | Summer 22     | Spring 23    | Summer 23     | Spring 24     | Summer 24    |
|-----------------------------------------------------------|--------------|---------------|--------------|---------------|---------------|--------------|
| Team                                                      | Consultant   | Consultant    | Consultant   | Consultant    | Volunteer     | Volunteer    |
| Date                                                      | May 12       | August 29     | April 20     | August 10     | April 21      | August 30    |
| Secchi Depth                                              | 1.0 m        | 1.9 m         | 2.1 m        | 1.1 m         | 2.0 m         | 1.4 m        |
| Surface pH                                                | 7.36         | 6.70          | 6.70         | 6.53          | 7.05          | 7.07         |
| Surface SpC                                               | 0.1743 ms/cm | 0.1705 ms/cm  | 0.1706 ms/cm | 0.0830 ms/cm  | 0.1169 ms/cm  | 0.1578 ms/cm |
| Surface Temp                                              | 18.9 °C      | 25.2 °C       | 12.8 °C      | 23.2 °C       | 12.7 °C       | 21.4 °C      |
| Surface DO                                                | 11.18 mg/L   | 8.59 mg/L     | 11.33 mg/L   | 7.89 mg/L     | 11.20 mg/L    | 7.7 mg/L     |
| Summer Stratified?                                        |              | No            |              | Yes           |               | No           |
| Thermocline Depth (from lake surface)                     |              | n/a           |              | 0.5 m         |               | n/a          |
| Anoxic Layer Thickness (from lakebed at deepest location) |              | n/a           |              | n/a           |               | n/a          |
| Strength of evidence for Internal Loading                 |              | None          |              | None          |               | Weak         |
| Estimated Trophic Status (based on summer Chl- $\alpha$ ) |              | Mesoeutrophic |              | Mesoeutrophic |               | Eutrophic    |
| Deepwater Chloride                                        | 42 mg/L      | 38 mg/L       | 42 mg/L      | 15 mg/L       | 27 mg/L       | 38 mg/L      |
| E. coli Outlet/Surface (CFU/100ml)                        | ND / ND      | 8 / 2         | ND / ND      | 4 / 18        | Not Collected | 18 / 4       |

\*ND = 'non-detect' for E.coli, indicating less than 2 CFU / 100 ml

[halifax.ca/lakewatchers](http://halifax.ca/lakewatchers)



Satellite Imagery Map of Elbow Lake



Bathymetry Map of Elbow Lake