

Long Lake – Provincial Park

(Approximate maximum depth: 26.8 m)

HALIFAX, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Collaborative	Collaborative
Date	May 11	August 24	April 26	August 11	April 24	August 15
Secchi Depth	2.4 m	2.3 m	1.7 m	1.1 m	1.8 m	1.9 m
Surface pH	6.73	6.34	5.98	5.77	6.01	6.4
Surface SpC	0.2618 ms/cm	0.2574 ms/cm	0.2465 ms/cm	0.1825 ms/cm	0.2056 ms/cm	0.2230 ms/cm
Surface Temp	10.9 °C	23.7 °C	11.1 °C	21.3 °C	10.0 °C	23.3 °C
Surface DO	10.37 mg/L	8.29 mg/L	11.05 mg/L	7.34 mg/L	10.95 mg/L	7.88 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		6 m		6.5 m		5 m
Anoxic Layer Thickness (from lakebed at deepest location)		1.3 m (5%)		None		None
Strength of evidence for Internal Loading		Moderate		Moderate		Moderate
Estimated Trophic Status (based on summer Chl- α)		Mesotrophic		Oligotrophic		Oligotrophic
Deepwater Chloride	68 mg/L	68 mg/L	62 mg/L	54 mg/L	54 mg/L	53 mg/L
E. coli Outlet/Surface (CFU/100ml)	2 / 2	2 / 4	ND / 2	4 / 4	Not Collected	6 / 4

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

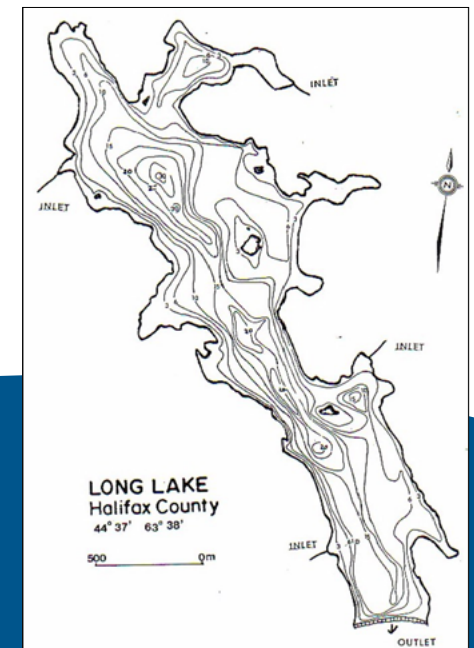
halifax.ca/lakewatchers

HalifACT Acting on
Climate
Together

LakeWatchers



Satellite Imagery Map of Long Lake
w/ Sampling Locations



Bathymetry Map of Long Lake