

Thomas Lake (South Basin)

(Approximate maximum depth: 13.9 m)

WAVERLEY, 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 4	August 17	April 20	August 14	April 16	August 24
Secchi Depth	3.6 m	4.1 m	2.8 m	2.1 m	2.5 m	2.3 m
Surface pH	6.77	7.59	6.84	6.88	6.98	7.23
Surface SpC	0.1318 ms/cm	0.2084 ms/cm	0.2006 ms/cm	0.1656 ms/cm	0.1595 ms/cm	0.1925 ms/cm
Surface Temp	9.53 °C	24.0 °C	8.9 °C	22.2 °C	8.4 °C	22.0 °C
Surface DO	12.98 mg/L	8.44 mg/L	11.92 mg/L	7.18 mg/L	11.40 mg/L	8.02 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		6.5 m		6 m		7 m
Anoxic Layer Thickness (from lakebed at deepest location)		6.9 m (50%)		5.9 m (42%)		59 m (42%)
Strength of evidence for Internal Loading		Moderate		None		Strong
Estimated Trophic Status (based on summer Chl- α)		Mesotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	46 mg/L	42 mg/L	41 mg/L	40 mg/L	36 mg/L	39 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	ND / 10	ND / ND	10 / 8	Not Collected	ND / ND

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

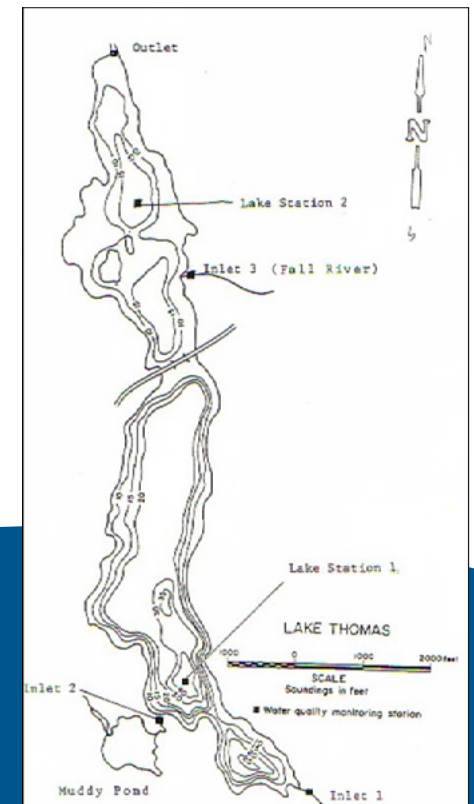
halifax.ca/lakewatchers

HalifACT Acting on
Climate
Together

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Satellite Imagery Map of Thomas Lake w/ Sampling Locations



Bathymetry Map of Thomas Lake