

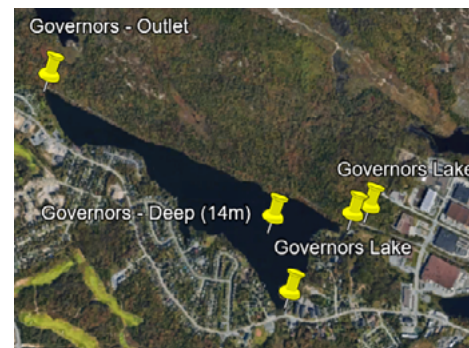
Governor Lake

(Approximate maximum depth: 14.5 m)

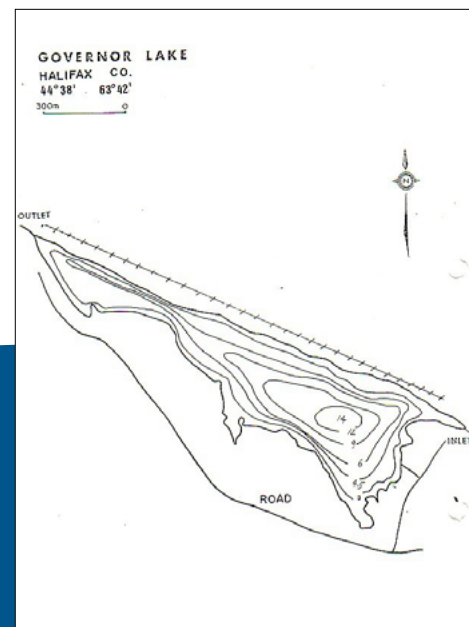
LAKESIDE, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Collaborative	Collaborative	Collaborative	Volunteer
Date	May 2	August 26	April 26	August 16	April 24	August 19
Secchi Depth	2.7 m	4.1 m	2.6 m	2.2 m	1.9 m	5.5 m
Surface pH	6.71	7.12	6.65	7.18	6.87	6.93
Surface SpC	0.6076 ms/cm	0.5625 ms/cm	0.4810 ms/cm	0.2819 ms/cm	0.4490 ms/cm	0.4660 ms/cm
Surface Temp	9.4 °C	24.6 °C	11.9 °C	22.0 °C	9.7 °C	23.8 °C
Surface DO	11.24 mg/L	8.22 mg/L	10.99 mg/L	7.47 mg/L	11.12 mg/L	7.25 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		4.5 m		4.5 m		5 m
Anoxic Layer Thickness (from lakebed at deepest location)		4 m (28%)		6 m (41%)		4.5 m (31%)
Strength of evidence for Internal Loading		Moderate		Weak		Strong
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Mesotrophic		Oligotrophic
Deepwater Chloride	150 mg/L	150 mg/L	120 mg/L	120 mg/L	110 mg/L	110 mg/L
E. coli Outlet/Surface (CFU/100ml)	2 / ND	18 / 12	ND / ND	4 / 40	Not Collect-ed	20 / 2

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



Satellite Imagery Map of Governor Lake w/ Sampling Locations



Bathymetry Map of Governor Lake

halifax.ca/lakewatchers

HalifACT Acting on Climate Together

LakeWatchers