

Morris Lake

(Approximate maximum depth: 12.4 m)

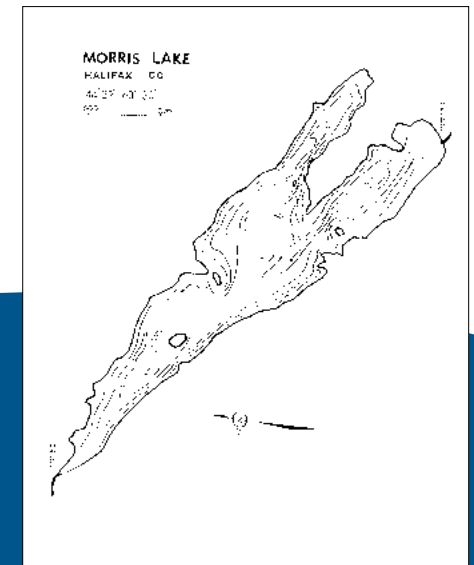
PORTLAND ESTATES, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Volunteer	Volunteer	Volunteer	Volunteer	Consultant
Date	April 26	September 5	May 10	August 29	May 29	September 6
Secchi Depth	4.5 m	3.4 m	4.8 m	4.8 m	6.5 m	3.2 m
Surface pH	7.14	7.54	7.67	7.42	7.41	7.57
Surface SpC	0.2793 ms/cm	0.5557 ms/cm	0.3295 ms/cm	0.2657 ms/cm	0.3000 ms/cm	0.3360 ms/cm
Surface Temp	9.2 °C	23.5 °C	13.5 °C	21.8 °C	18.6 °C	21.4 °C
Surface DO	10.89 mg/L	7.34 mg/L	10.92 mg/L	8.20 mg/L	9.29 mg/L	7.93 mg/L
Summer Stratified?		No		Yes		Yes
Thermocline Depth (from lake surface)		n/a		8 m		9 m
Anoxic Layer Thickness (from lakebed at deepest location)		n/a		3.4 m (27%)		0.4 m (3%)
Strength of evidence for Internal Loading		Moderate		None		Very Strong
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Oligotrophic		Oligotrophic
Deepwater Chloride	100 mg/L	93 mg/L	90 mg/L	69 mg/L	73 mg/L	72 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	130 / ND	2 / ND	14 / 8	Not Collected	4 / 4

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



Satellite Imagery Map of Morris Lake w/ Sampling Locations



Bathymetry Map of Morris Lake

halifax.ca/lakewatchers

HalifACT Acting on Climate Together

LakeWatchers