

Pine Lake

(Approximate maximum depth: 20.6 m)

PORTERS LAKE, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Consultant
Date	May 26	August 23	April 24	August 15	April 26	April 16
Secchi Depth	1.7 m	2.7 m	1.8 m	1.3 m	2.2 m	2.2 m
Surface pH	5.16	5.43	5.23	5.07	4.96	5.39
Surface SpC	0.0251 ms/cm	0.0270 ms/cm	0.0260 ms/cm	0.0253 ms/cm	0.0255 ms/cm	0.0250 ms/cm
Surface Temp	16.8 °C	24.3 °C	9.6 °C	22.5 °C	9.6 °C	24.1 °C
Surface DO	9.98 mg/L	8.40 mg/L	11.30 mg/L	8.00 mg/L	11.20 mg/L	8.02 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		5 m		4.5 m		4 m
Anoxic Layer Thickness (from lakebed at deepest location)		1.1 m (5%)		n/a		n/a
Strength of evidence for Internal Loading		None		None		None
Estimated Trophic Status (based on summer Chl- α)		Mesotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	4.7 mg/L	3.9 mg/L	4.0 mg/L	5.3 mg/L	5.1 mg/L	4.7 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	ND / ND	ND / ND	ND / ND	Not Collected	ND / ND

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



Satellite Imagery Map of Pine Lake w/ Sampling Locations



Bathymetry Map of Pine Lake

halifax.ca/lakewatchers