

Porters Lake (North)

(Approximate maximum depth: 26.7 m)

PORTERS LAKE, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

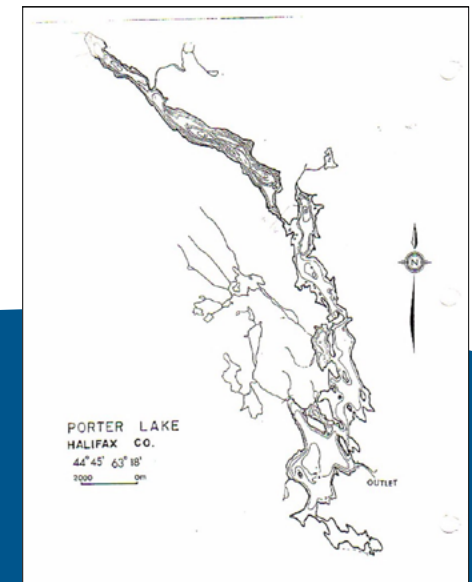
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Consultant
Date	May 16	August 23	April 25	August 15	May 9	August 28
Secchi Depth	2.1 m	2.7 m	1.6 m	0.9 m	1.7 m	1.7 m
Surface pH	7.78	6.76	6.60	5.42	5.53	6.94
Surface SpC	1.0000 ms/cm	1.2170 ms/cm	1.4129 ms/cm	0.4989 ms/cm	0.7020 ms/cm	1.7320 ms/cm
Surface Temp	11.7 °C	24.3 °C	8.3 °C	22.2 °C	10.2 °C	23.1 °C
Surface DO	10.48 mg/L	8.13 mg/L	11.70 mg/L	7.56 mg/L	11.1 mg/L	8.43 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		6 m		6.5 m		6 m
Anoxic Layer Thickness (from lakebed at deepest location)		n/a		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	1900 mg/L	620 mg/L	780 mg/L	900 mg/L	700 mg/L	1700 mg/L
E. coli Outlet/Surface (CFU/100ml)	2 / ND	150 / ND	ND / ND	24 / 8	Not Collected	10 / 2

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

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Satellite Imagery Map of Porters Lake w/ Sampling Locations



Bathymetry Map of Porters Lake