

Porters Lake (Middle-South)

(Approximate maximum depth: 7.5 m)

WEST PORTERS LAKE, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

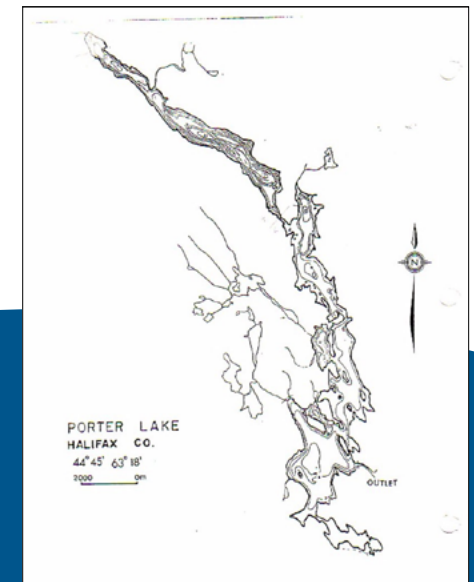
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Consultant
Date	May 13	August 23	April 25	August 15	May 9	August 28
Secchi Depth	2.1 m	3.1 m	2.1 m	1.0 m	2.0 m	3.0 m
Surface pH	8.04	7.56	7.46	6.40	7.18	7.63
Surface SpC	5.3695 ms/cm	14.4878 ms/cm	11.1898 ms/cm	2.1316 ms/cm	11.2500 ms/cm	19.3310 ms/cm
Surface Temp	16.0 °C	24.1 °C	10.3 °C	22.5 °C	12.5 °C	22.2 °C
Surface DO	9.6 mg/L	7.98 mg/L	10.71 mg/L	7.76 mg/L	10.15 mg/L	8.05 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		2 m		3.5 m		6 m
Anoxic Layer Thickness (from lakebed at deepest location)		n/a		3.5 m (47%)		n/a
Strength of evidence for Internal Loading		None		None		Strong
Estimated Trophic Status (based on summer Chl- α)		Ultraoligotrophic		Mesotrophic		Oligotrophic
Deepwater Chloride	10000 mg/L	12000 mg/L	13000 mg/L	12000 mg/L	12000 mg/L	14000 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	8 / ND	ND / 2	16 / 20	Not Collected	8 / 4

*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