

Porters Lake (South)

(Approximate maximum depth: 9.7 m)

EAST LAWRENCETOWN, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

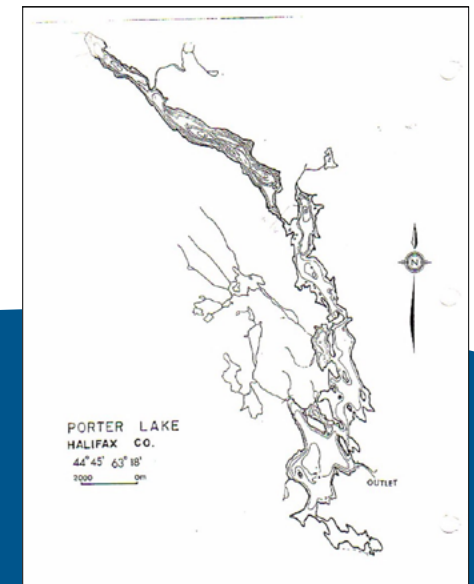
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Consultant
Date	May 13	August 23	April 25	August 15	May 9	August 28
Secchi Depth	4.0 m	3.2 m	3.4 m	1.2 m	3.6 m	3.0 m
Surface pH	8.15	7.78	7.84	7.87	7.75	7.79
Surface SpC	18.8627 ms/cm	30.8264 ms/cm	27.9200 ms/cm	10.3608 ms/cm	23.4840 ms/cm	36.6850 ms/cm
Surface Temp	14.7 °C	23.1 °C	10.0 °C	22.4 °C	11.3 °C	21.2 °C
Surface DO	9.52 mg/L	7.87 mg/L	10.16 mg/L	8.61 mg/L	9.88 mg/L	7.7 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		4 m		2 m		5 m
Anoxic Layer Thickness (from lakebed at deepest location)		n/a		3.7 m (38%)		n/a
Strength of evidence for Internal Loading		Very Strong		Very Strong		Strong
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Meso-eutrophic		Oligotrophic
Deepwater Chloride	13000 mg/L	14000 mg/L	15000 mg/L	14000 mg/L	14000 mg/L	15000 mg/L
E. coli Outlet/Surface (CFU/100ml)	2 / ND	10 / ND	ND / ND	12 / 10	Not Collected	ND / ND

*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