

Powder Mill Lake

(Approximate maximum depth: 12.5 m)

WAVERLEY, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Volunteer	Volunteer	Volunteer	Volunteer
Date	May 5	August 22	April 28	August 15	May 10	August 30
Secchi Depth	4.1 m	4.0 m	3.0 m	2.1 m	2.4 m	3.0 m
Surface pH	8.22	7.62	7.76	7.29	7.39	7.88
Surface SpC	0.2472 ms/cm	0.3052 ms/cm	0.2343 ms/cm	0.1465 ms/cm	0.1861 ms/cm	0.2349 ms/cm
Surface Temp	11.0 °C	24.4 °C	12.1 °C	23.2 °C	12.4 °C	23.3 °C
Surface DO	11.04 mg/L	8.58 mg/L	10.01 mg/L	7.76 mg/L	10.93 mg/L	8.07 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		5 m		5.5 m		6 m
Anoxic Layer Thickness (from lakebed at deepest location)		2.5 m (20%)		7 m (56%)		2.5 m (20%)
Strength of evidence for Internal Loading		None		None		Weak
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	44 mg/L	54 mg/L	45 mg/L	52 mg/L	40 mg/L	43 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	2 / ND	ND / ND	ND / 2	Not Collected	ND / ND

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

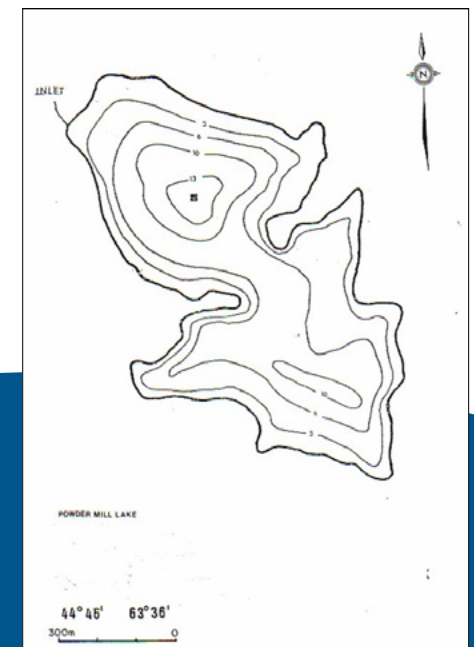
halifax.ca/lakewatchers

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Satellite Imagery Map of Powder Mill Lake w/ Sampling Locations



Bathymetry Map of Powder Mill Lake