

# Paper Mill Lake

(Approximate maximum depth: 5.9 m)

BEDFORD, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

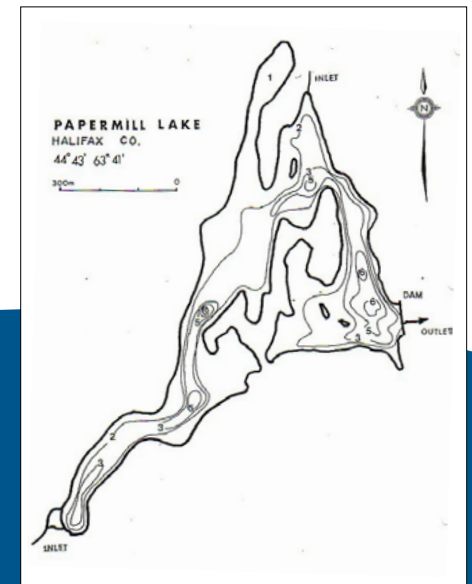
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Volunteer	Volunteer
Date	April 29	August 23	April 19	August 11	May 16	September 6
Secchi Depth	3.2 m	5.4 m	2.8 m	1.8 m	3.1 m	4.0 m
Surface pH	6.56	7.30	6.79	6.88	6.97	6.73
Surface SpC	0.1949 ms/cm	0.3409 ms/cm	0.3369 ms/cm	0.1520 ms/cm	0.2376 ms/cm	0.2757 ms/cm
Surface Temp	9.6 °C	24.1 °C	12.1 °C	21.7 °C	16.3 °C	20.9 °C
Surface DO	10.07 mg/L	8.49 mg/L	10.59 mg/L	8.16 mg/L	9.55 mg/L	7.57 mg/L
Summer Stratified?		Yes		No		No
Thermocline Depth (from lake surface)		4.5 m		n/a		n/a
Anoxic Layer Thickness (from lakebed at deepest location)		n/a		n/a		n/a
Strength of evidence for Internal Loading		None		None		Very Strong
Estimated Trophic Status (based on summer Chl- $\alpha$ )		Oligotrophic		Oligotrophic		Oligotrophic
Deepwater Chloride	75 mg/L	77 mg/L	80 mg/L	37 mg/L	57 mg/L	63 mg/L
E. coli Outlet/Surface (CFU/100ml)	8 / 4	6 / 6	ND / ND	22 / 30	Not Collected	12 / 14

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

[halifax.ca/lakewatchers](http://halifax.ca/lakewatchers)



Satellite Imagery Map of Paper Mill Lake w/ Sampling Locations



Bathymetry Map of Paper Mill Lake