

Second Lake

(Approximate maximum depth: 12.2 m)

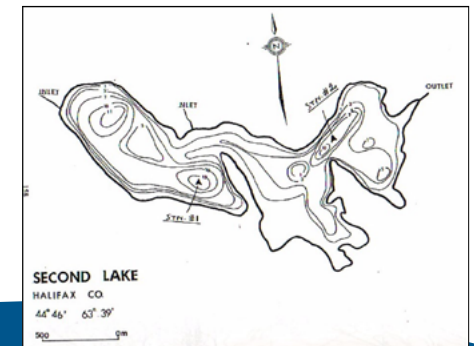
WINDSOR JUNCTION, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Volunteer	Volunteer	Volunteer	Volunteer	Volunteer
Date	May 5	August 15	April 26	August 14	May 7	August 22
Secchi Depth	3.2 m	4.8 m	3.8 m	1.3 m	2.4 m	4.4 m
Surface pH	7.55	7.56	7.51	7.32	7.58	7.74
Surface SpC	0.1699 ms/cm	0.1733 ms/cm	0.1530 ms/cm	0.1045 ms/cm	0.1161 ms/cm	0.1249 ms/cm
Surface Temp	11.2 °C	25.2 °C	12.2 °C	23.8 °C	13.6 °C	24.8 °C
Surface DO	11.02 mg/L	7.50 mg/L	11.40 mg/L	9.21 mg/L	13.27 mg/L	9.69 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		5 m		3.5 m		4 m
Anoxic Layer Thickness (from lakebed at deepest location)		1.7 m (14%)		n/a		n/a
Strength of evidence for Internal Loading		Weak		None		Very Strong
Estimated Trophic Status (based on summer Chl- α)		Ultra-oligotrophic		Mesotrophic		Oligotrophic
Deepwater Chloride	38 mg/L	39 mg/L	35 mg/L	34 mg/L	23 mg/L	25 mg/L
E. coli Outlet/Surface (CFU/100ml)	6 / ND	6 / ND	ND / ND	12 / 14	Not Collected	100 / 2

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



Satellite Imagery Map of Second Lake w/ Sampling Locations



Bathymetry Map of Second Lake

halifax.ca/lakewatchers