

Little Springfield Lake

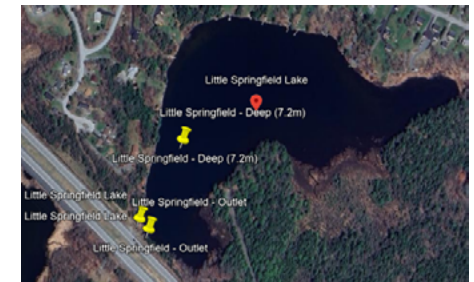
(Approximate maximum depth: 7.5 m)

MIDDLE SACKVILLE, HALIFAX REGIONAL MUNICIPALITY, NOVA SCOTIA

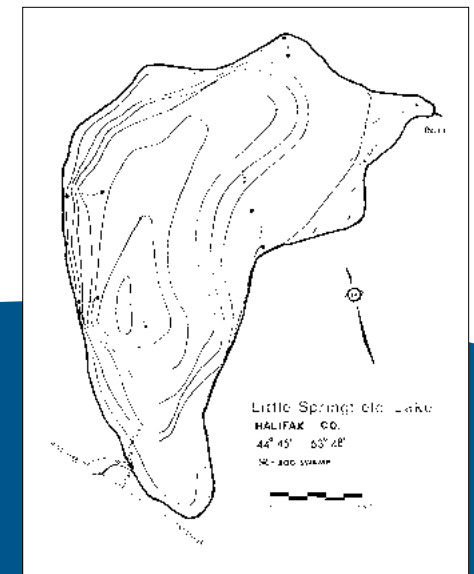
Parameter	Spring 22	Summer 22	Spring 23	Summer 23	Spring 24	Summer 24
Team	Consultant	Consultant	Consultant	Consultant	Consultant	Consultant
Date	May 3	August 18	April 19	August 8	May 7	August 20
Secchi Depth	3.7 m	3.5 m	4.2 m	1.8 m	4.4 m	4.4 m
Surface pH	6.32	6.60	6.41	6.75	6.80	6.70
Surface SpC	0.1903 ms/cm	0.3094 ms/cm	0.2814 ms/cm	0.2026 ms/cm	0.2301 ms/cm	0.2540 ms/cm
Surface Temp	10.5 °C	23.2 °C	11.6 °C	24.1 °C	12.7 °C	24.2 °C
Surface DO	12.40 mg/L	7.67 mg/L	10.82 mg/L	8.37 mg/L	10.29 mg/L	7.96 mg/L
Summer Stratified?		Yes		Yes		Yes
Thermocline Depth (from lake surface)		3.5 m		2.5 m		4 m
Anoxic Layer Thickness (from lakebed at deepest location)		3.5 m (47%)		3.5 m (47%)		2.5m (33%)
Strength of evidence for Internal Loading		Very Strong		None		Strong
Estimated Trophic Status (based on summer Chl- α)		Oligotrophic		Mesotrophic		Mesotrophic
Deepwater Chloride	74 mg/L	72 mg/L	61 mg/L	61 mg/L	51 mg/L	54 mg/L
E. coli Outlet/Surface (CFU/100ml)	ND / ND	38 / 12	ND / ND	32 / 6	Not Collected	6 / ND

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

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Satellite Imagery Map of Little Springfield Lake w/ Sampling Locations



Bathymetry Map of Little Springfield Lake