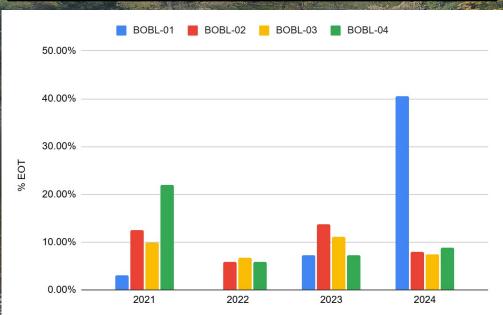


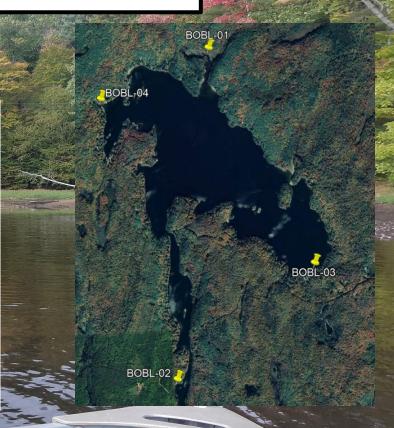
Current State of Testing the Waters Program

- 61 Sites across 39 Lakes in Partnership with 25 Lake Associations
- Lake Association Volunteer Supported
- Standardized, Region Specific Protocols
- Actionable Reporting for Stewardship
- Expanding Capacity for Long-term Trend Analysis

Woodlands and Waterways Ecowatch

• 4 Years of Benthic Biomonitoring





PAUDASH LAKE

CONSERVATION

ASSOCIATION

KENNISIS LAKE 2022

HALIBURTON FOREST

AND WILDLIFE RESERVE LTD

HALIBURTON LAKE COTTAGERS' ASSOCIATION

COTTAGE

OWNERS'

ASSOCIATION



HALLS & HAWK LAKES PROPERTY

OWNERS ASSOCIATION

MISKWABI AREA

COMMUNITY

DRAG AND SPRUCE LAKE PROPERTY OWNERS ASSOCIATION

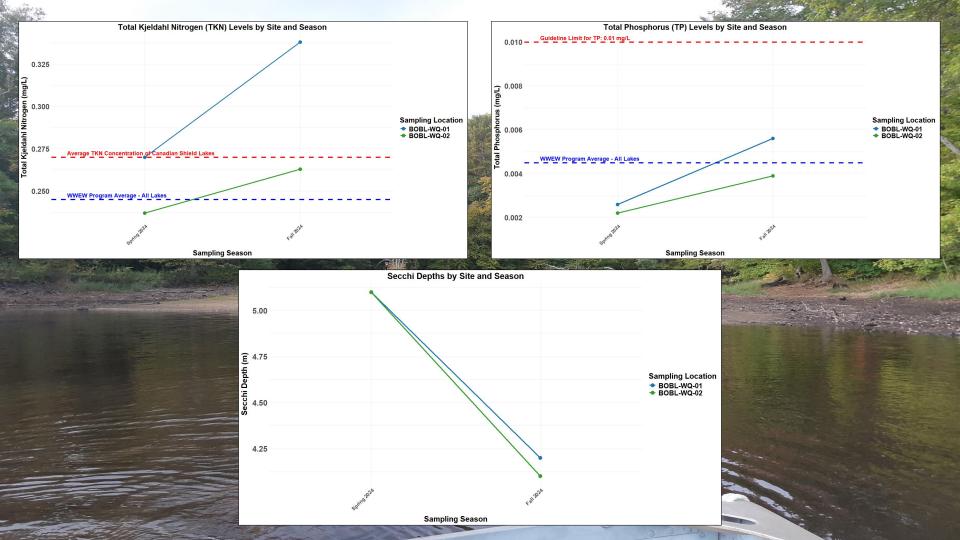
CEDAR LAKE

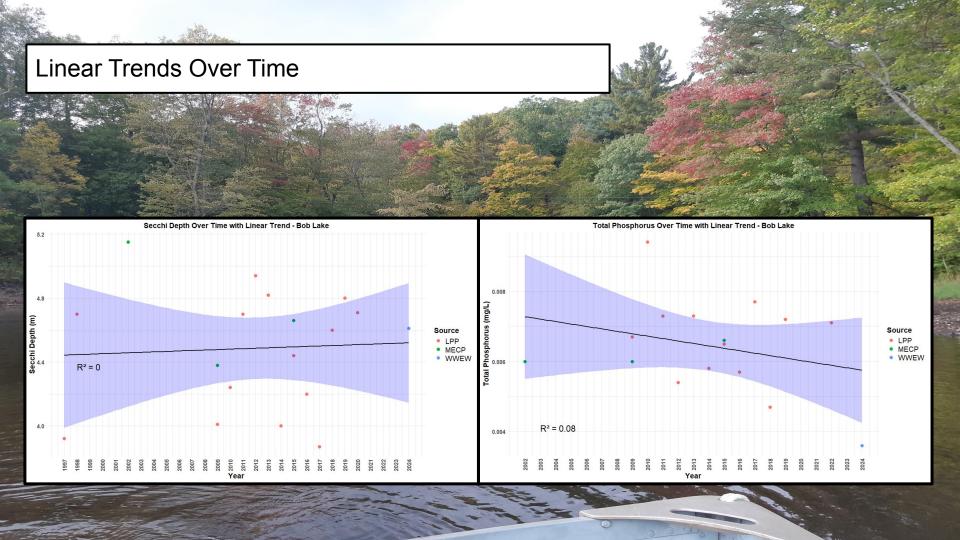
COTTAGERS

ASSOCIATION

KASHAGAWIGAMOG

ORGANIZATION







Three Year Average

				0 Fibres Frag	ments Others	Fibres Fragments Others
lake	Sum of volume (L)	Concentration (mp/L)	fibre %		fragment %	other % (bead, film, foam)
BHAW	15.331	4.631139521	BHAW	71.83	23.94	4.23
BIGK	26.6	2.142857143	BIGK	73.68	10.53	15.79
CEDA	15.389	2.924166613	CEDA	53.33	28.89	17.78
DRAG	30.437	3.581167658	DRAG	51.38	33.94	14.68
HALB	46.14	4.009536194	HALB	51.35	39.46	8.65
HALL	11.095	2.073005858	HALL	34.78	56.52	8.70
KASH	43.855	2.006612701	KASH	35.23	48.86	15.91
LHAW	34.325	2.447195921	LHAW	30.95	64.29	4.76
LITK	26.6	1.503759398	LITK	55.00	25.00	20.00
LONG	15.405	2.596559559	LONG	40.00	40.00	20.00
MISK	14.461	2.835211949	MISK	26.83	31.71	41.46
NGAU	15.259	3.08014942	NGAU	38.30	48.94	12.77
OBLO	15.311	2.808438378	OBLO	46.51	44.19	9.30
PADB	11.4	2.631578947	PADB	73.33	23.33	3.33
PAUD	49.4	2.854251012	PAUD	64.54	25.53	9.93
SPRU	11.4	3.50877193	SPRU	60.00	25.00	
STOC	15.2	2.894736842	STOC	63.64	25.00	10000000
WENO	30.711	3.158477419	WENO	47.42	49.48	
Grand Total	428.319	2.871534248				



Aquatic Vegetation

- Common Native Vegetation

 Common Introduced and Invasive Vegetation



Coontail (ceratophyllum demersum)



Eurasian Water Milfoil (myriophyllum spicatum)

Pickerelweed (pontedia cordata)

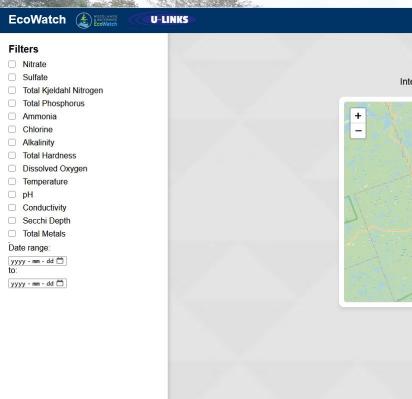


Water Shield (brasenia schreberi)

European Frogbit (*Hydrocharis morsus-ranae*)





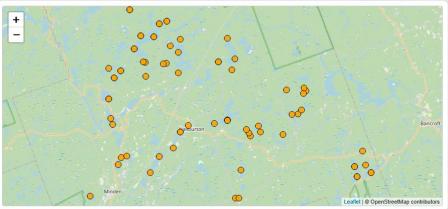


Visualize Trends

Home Understanding Water Quality Features

Contact Login

Interactively explore trends and patterns in your data with advanced visualizations.



Submit Selection



Thanks





Donations:

- E-Transfer to <u>admin@ulinks.ca</u>
- Scan this QR Code:

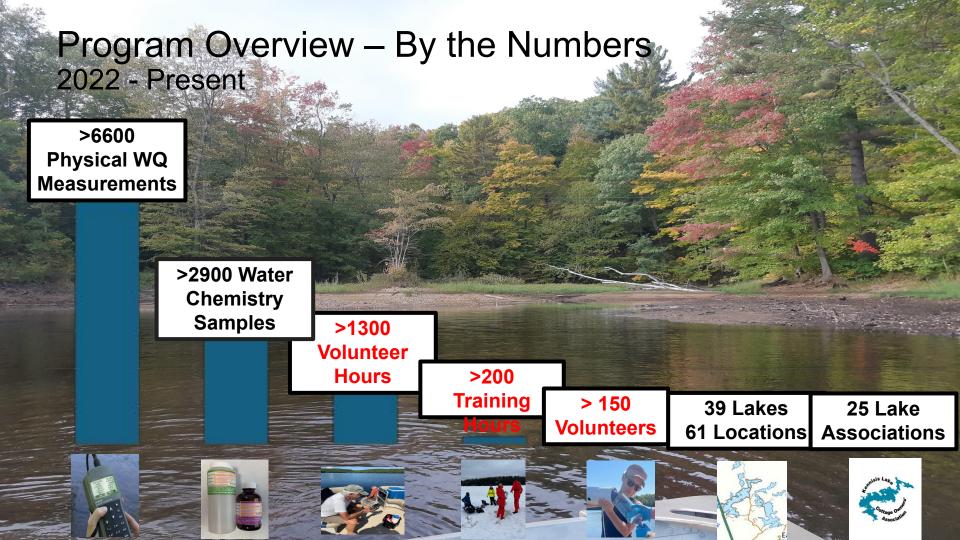


Sampling Protocol – Parameters Measured

PARAMETER MEASURED	Lake Partner Program	MECP - Trout Lake Monitoring	MNDMNRF Broad Scale Monitoring	KLCOA (LPP + Internal Data)	Testing the Waters Haliburton County WQ Monitoring
FREQUENCY	1 Sampling/Year	Every ~5-8 Years 2 Samplings/Year	4-6 Year Cycles for Select Lakes	1-2 Samplings/Year	3 Samplings/Year
Secchi Depth (m) (Clarity)	YES	YES	YES	YES	YES
Total Phosphorus	YES	YES	YES	YES	YES
Nitrogen - Ammonia	NO	YES	YES	YES	YES
Nitrogen - Nitrite	NO	YES	YES	YES	NO
Nitrogen - Nitrate+Nitrite	NO	YES	YES	YES	YES
Total Kjeldahl Nitrogen	NO	YES	YES	NO	YES
Sulphate	NO	NO	YES	NO	YES
Dissolved Organic Carbon	NO	YES	YES	NO	NO
Dissolved Inorganic Carbon	NO	YES	YES	NO	NO
pH	NO	YES	YES	NO	YES
Total Alkalinity	NO	YES	YES	NO	YES
Conductivity (uS/cm)	NO	YES	YES	NO	YES
Calcium	YES	YES	YES	YES	NO
Magnesium	NO	YES	YES	NO	NO
Hardness	NO	YES	YES	NO	YES
Total Suspended Solids	NO	YES	YES	NO	NO
Total Dissolved Solids	NO	YES	YES	NO	NO
Dissolved Oxygen	NO	YES	YES	YES	YES
Temperature	NO	YES	YES	YES	YES
Chloride	YES	NO	YES	YES	NO
Bacterial Contamination	74		0.000		
E. Coli	NO	NO	NO	NO	NO
Total Coliforms	NO	NO	NO	NO	NO

3 Samples/Year July/Sept/Winter – Ice On

Unique Feature: Below-ice winter sampling directed to lakes with water drawdowns, known to be detrimental to certain ecological processes in lakes.



Data Use - Trend Analysis

