

PERCY LAKE RATEPAYERS ASSOCIATION

Directors' meeting

June 25, 2024 7:30 – 8:30 PM

On-line; Host Peter Mills (details at the very bottom)

DRAFT AGENDA

- 1) Call to Order - Welcome (Anna)
- 2) Business items:
 - A. Approve previous minutes Nov ;23 & May 24 (Brian)
 - B. Membership ~ 40/35 to date [Brian]; yr end total ~60 since 2019, except 71 in '21
 - C. Treasurer's Report – Koko
 - i. Fee increase discussion: attached spreadsheet
 - D. Water testing proposal: appended [sample this fall. Future depends on revenue.]
 - E. Communications – Newsletter (OP/Shoreline structure, fillable form, EORN cell proj map, road work, website, Golf save the date, Fishing date, AGM
 - a. Loon nest with eggs on smaller island (confirmed)
 - b. Phragmites: small stand growing near junction of Lonewolf & Stillwater ditch
 - c. EORN tower map (Ted, link to web page?)
 - d. Prior years testing (maybe on Web like roads & cell)
- 3) Upcoming meetings/events
 - Bass fishing tournament (Lou) - August 17
 - Golf Tournament [Bob] – Sept 14
 - AGM – August - 24 Mark Rechsteiner still ok?
- 4) Any Other Business?
- 5) Next board meeting date and location
- 6) Adjournment

Attachments:

Meeting link check your email from Peter for Jun 17@6:32pm or Mtg ID 891 132 041# passcode 8DaQqR



PLRA Financial Chart
copy.pdf

Finance spending allocation; revenue vs expenses

Water testing proposal

Issues

While the water seems ok: bass & trout seem healthy and we haven't seen an algae bloom, we only saw results in Jan 2016-2022, and today received 2023. Graphs below:

The testing referred to above was 'free' volunteers (lake stewards/lake partners) took the samples. But, it only tested for phosphorus and calcium [more recently chloride]. Possibly the rationale for sampling both bays was that the south bay had only a hunt camp while the development/cottages/septics were all around north bay. Note the 'hump' in Secchi and phosphorus during the road construction period.

New testing will cost ~100\$/sample location/year; recommendation is 3 samples/year. We were sampling in two locations, in the Spring.

Currently ('22 & '23) PLRA is spending ~6\$/member more than revenue. We have a reserve, but our budget should cover annual recurring costs. Meaning that, this testing at option #5 would add (600\$/60) and require a fee increase on top of the running deficit of ~6\$/member.

New testing would provide xyz tests- chart below

Options:

1. Do nothing: i.e. let lake partner continue and try to find out what happened to our phosphorus results
2. ~212\$ Duplicate old sampling: get one sample from 2 locations, this fall.
3. ~377\$ #2 plus metal analysis (+165)
4. ~300\$ New baseline sample just one location, but 3x in year
5. ~600\$ both locations, 3x in year

Following year:

1	No change
2-5	Decide to continue/ expand / reduce based on results we should get before year end.

Having very limited data to suspect an issue, #2~212\$ this year

Going forward: plan to do two samples again next spring. Decide based on results, approval of fee increase.

There are other lakes involved, including Haliburton. If they find multi-season sampling useful we could expand. If testing for more entities shows differences between basins or with downstream lake, then consider expanding.

Xyz

Sampling Protocol - Sample Parameters

PARAMETER MEASURED	Lake Partner Program	MECP - Trout Lake Monitoring	MNDMNR Broad Scale Monitoring	KLCOA (LPP + KLCOA WQ)	Haliburton WQ Pilot
FREQUENCY →	Once per Year	Every 5-8 years Twice Per Year	4-6 Year Cycles for selected Lakes	Once or Twice/Year	3 Times/year
Secchi Depth (m) [Clarity]	YES	YES	YES	YES	YES
Total Phosphorus	YES	YES	YES	YES	YES
Ammonia - Nitrogen	NO	YES	YES	YES	YES
Nitrite - Nitrogen	NO	YES	YES	YES	YES
Nitrate + Nitrite - Nitrogen	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					
E. Coli	NO	NO		NO	NO
Total Coliforms	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.

- ▶ Refining our parameter list in recognition of collected data
 - ▶ Removal of parameters
 - ▶ Nitrite
 - ▶ Addition of parameters
 - ▶ Duplicate Total Phosphorus

Current Lake Partner Program [Ministry + FOCA]



