

Lakes Committee

Four Lakes Community
Annual Meeting 2019



Goal: healthy lakes with good appearance.

The Lakes Committee is working with AquaTechnex

Priorities:

- Control native plant species when overabundant
- Remove invasive species if found
- Maintain a healthy ecosystem

Early to mid 2018:

- Accepted AquaTechnex proposal for monthly algae treatments of Osprey Lake June-September
- Adjusted original budget request from \$5250 to \$5800 to accommodate plan; spent \$3854.

Mid to late 2018:

- July, August, September, October--Treated algae on Osprey Lake with Sodium Peroxyhydrate and Endothall
- Tested water in Osprey for coliform and nutrients
- December—Algae identified as persistent cyanobacteria

Identification Classification Description Density/Biomass (g ww/ cm³)

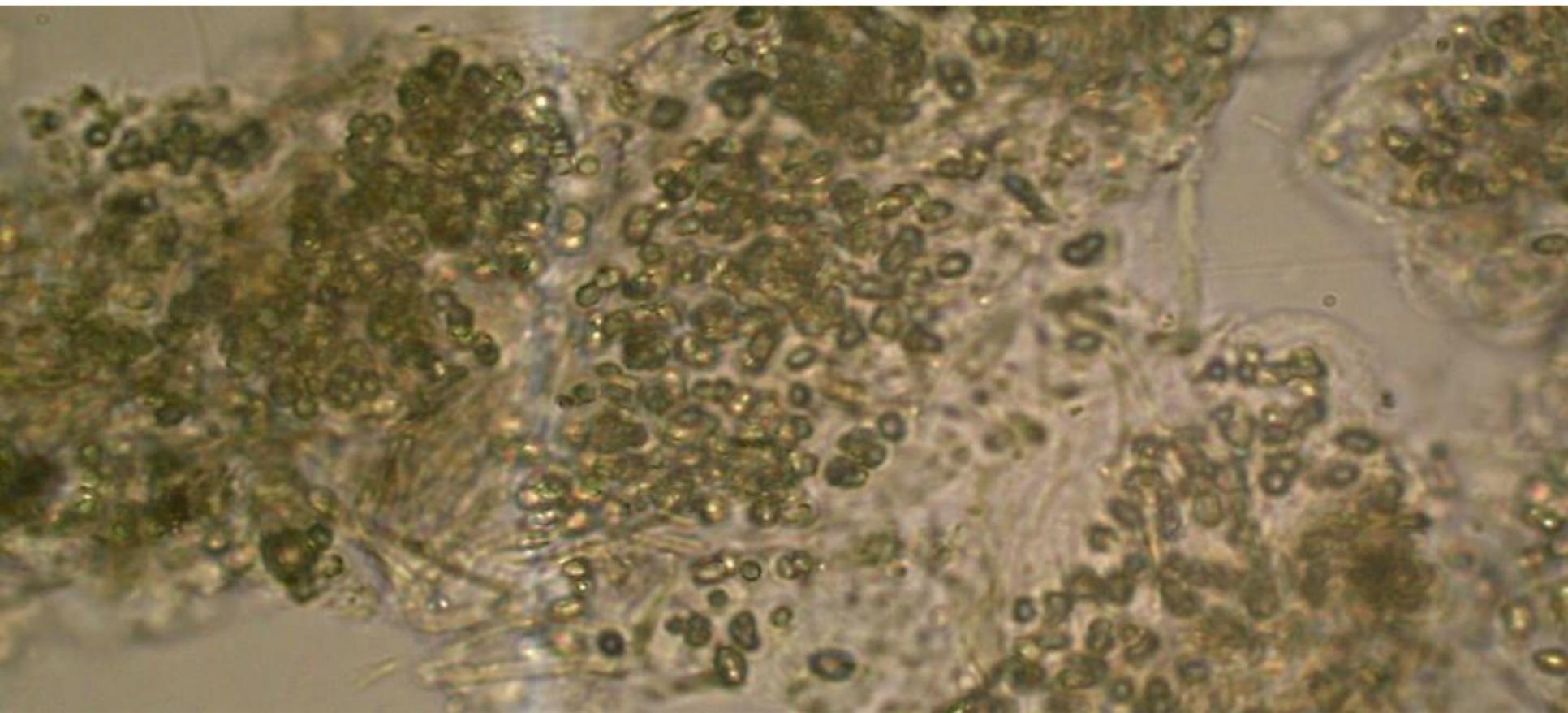
Aphanothece stagnina

(much present) Cyanophyta-
Blue-green algae Colonial, planktonic, potential toxin producer 0.7

Leibleinia sp.

(some present) Cyanophyta-
Blue-green algae Filamentous, planktonic/periphytic, potential toxin producer 0.1

SeSCRIPT* ALERT INDEX	EXPOSURE RISK	CYANOBACTERIA LEVELS (cells/mL)
	Low	<20,000
	Moderate	20,000 to 100,000
	High	>100,000
	Extreme	>100,000 with scums/mats
<i>See the following Cyanobacteria Alert Guide for additional information</i>		



2019:

Proposal is to treat Osprey Lake with a series of monthly applications of Sodium Peroxyhydrate and Diquat

\$ 8000.00 5 treatments May-September @ \$1600 ea

3750.00 Phoslock sediment treatment (dependent upon test results)

585.00 Ecology NPDES permit fee for FY18

618.00 Ecology NPDES permit fee for FY19

Budget for 2019: \$9203.00 to \$12,953.00 (dependent upon necessity for Phoslock treatment)

Need for volunteers:

- Work party to clean up beaver detritus on Osprey Community Property
- In light of increased budget demands, other work will be postponed (lily pad removal, fish stocking). Control of blackberries, encroaching iris and other weeds will have to be performed by hand.
- If waterweed (*Elodea canadensis*) becomes problematic in Eagle Lake, weedcutter may have to be employed. Can also be used on overabundance of lily pads (*Nuphar sp.*) and pondweed (*Potamogeton sp.*) in other lakes.



