



### Area Description:

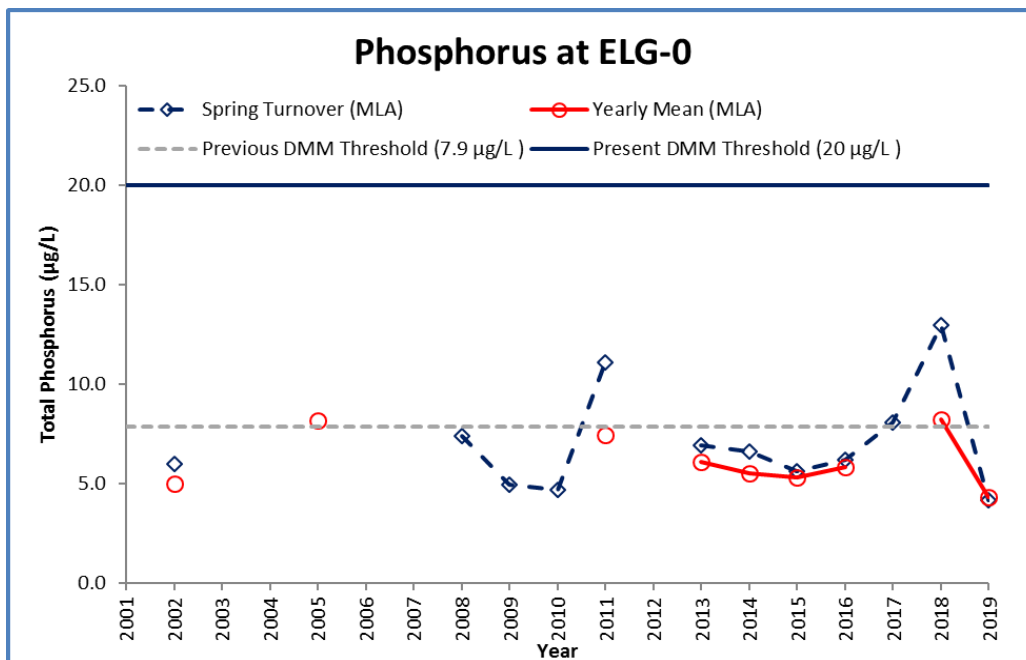
Eilean Gowan Island is in the eastern part of Lake Muskoka and is largely developed with residential cottages. Most of these properties appear to retain a well-vegetated shoreline except for a few lawns and tennis courts directly adjacent to the lake. The interior of this island is completely forested and a small stream outlets from the upland area at sampling site ELG-1. Monitoring started in 2002. All stations shown may not be sampled each year.

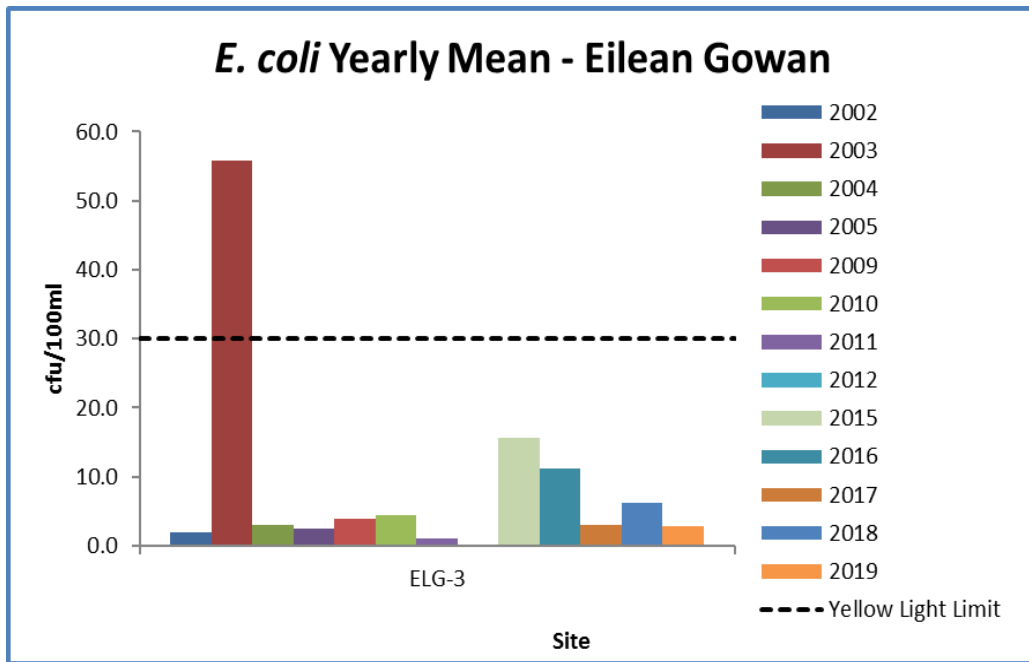
**Volunteer Recognition: Susan Murphy, Doug Tate, Stephen Sims, Dave Coulson, Sydney Sims, Grayden Coulson, Sam Conley and Beth Tate.**

## Eilean Gowan Island (ELG)

2019 Water Quality Results: (Note: Hatched cell signifies not tested for in 2019)

Station	Mean Secchi Disk (m)	Total Phosphorus (µg/L)		E. coli Yearly Geometric Mean (cfu/100 ml)	Total Coliform Yearly Geometric Mean (cfu/100 ml)
		Spring Turnover	Yearly Mean		
ELG-0	3.3	4.2	4.4		
ELG-3				2.9	45.0
ELG-5		6.4			





#### Summary and Recommendations:



The 2019 spring phosphorus concentration at ELG-0 decreased considerably from 2018, was below the historic DMM threshold of 7.9 µg/L, and all readings at ELG-0 remain well below the present DMM threshold (20 µg/L). Following the test for outliers of the spring phosphorus concentrations, the 2018 remained included and there were no outliers found. The increasing trend of phosphorus levels at ELG-0 has subsided, changing the stoplight from yellow to green. ELG-5 is a new station first established in 2018 and should be continued to be monitored to look for trends. The *E. coli* yearly mean at ELG-3 continued to remain below the MLA stoplight limits (details in report Section 3). Secchi measurements also remain stable through sampling years, varying between 2.0 and 5.25 m (2009). **Beacon recommends continuing sampling to monitor trends.**