



### Area Description:

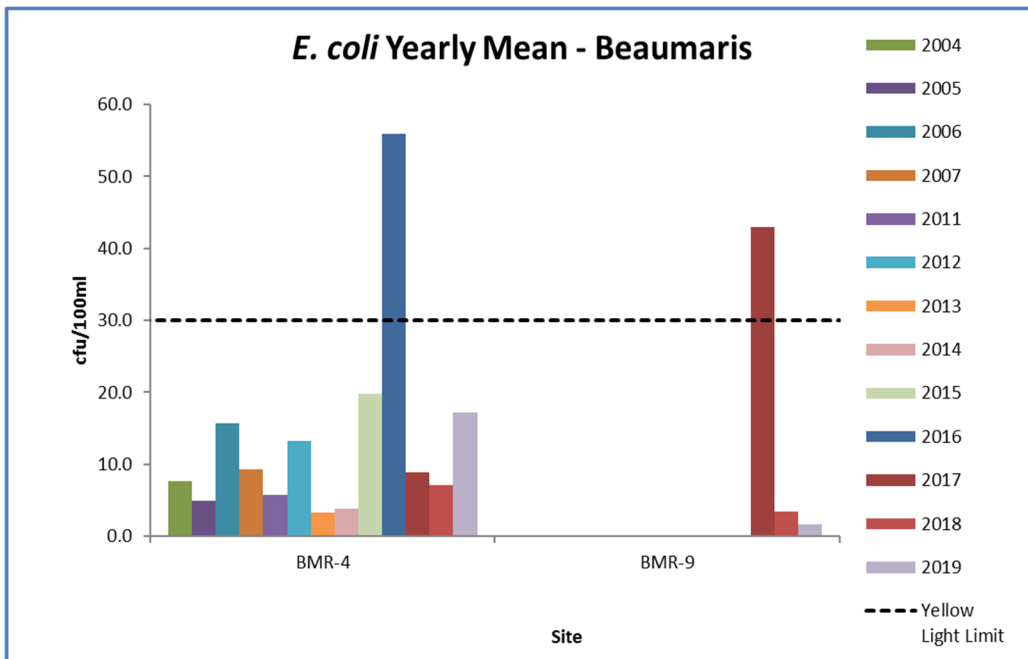
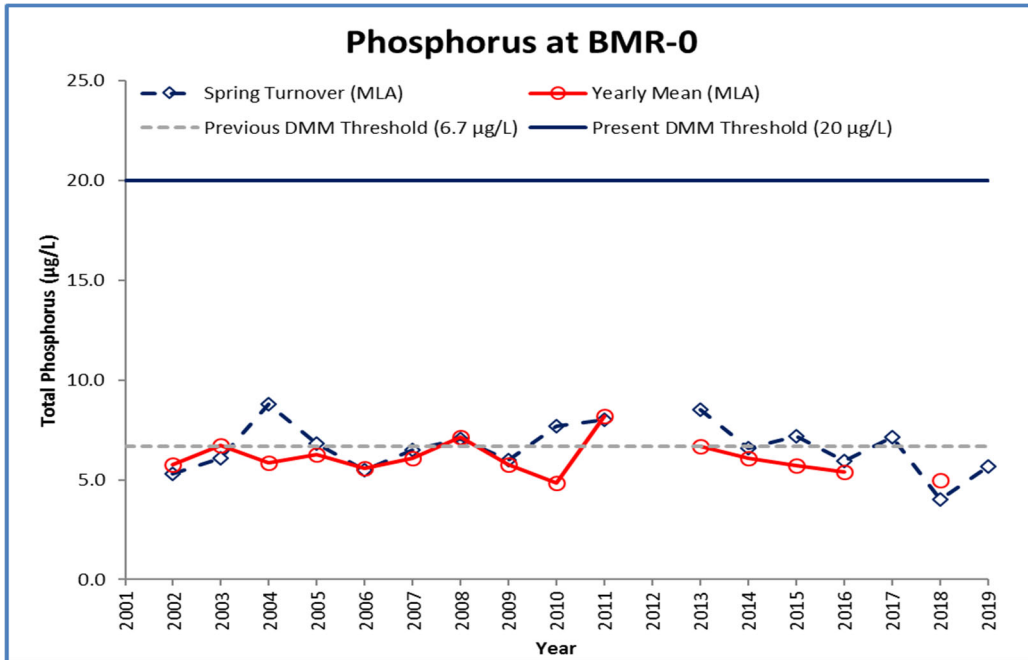
This island is in the Milford Bay area of northeastern Lake Muskoka is approximately 132 ha in size. A golf course takes up much of the island, which is associated with a small private club and marina. Most of the natural shoreline vegetation is intact, but there are many large boathouses in this area. There is a large wetland to the east where the causeway links mainland and the island. Monitoring started in 2002. All stations shown may not be sampled each year.

**Volunteer Recognition:** Louise Cragg, Don Furniss, Andree Baillargeon, Eliza Nevin, Chris Cragg, and Allen Flye.

## Beaumaris (BMR)

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

Station	Mean Secchi Disk (m)	Total Phosphorus (µg/L)		<i>E. coli</i> Yearly Geometric Mean (cfu/100 ml)	Total Coliform Yearly Geometric Mean (cfu/100 ml)	DOC Yearly Mean
		Spring Turnover	Yearly Mean			
BMR-0	3.2	5.7				
BMR-4		4.7	4.1	17.2	114.8	
BMR-6		6.4				
BMR-9		6.3		1.7	50.7	
BMR-10		7.4				
BMR-12		17.4				



## Summary and Recommendations:



In 2019, only spring phosphorus was sampled for at BMR-0. Results (5.7 µg/L) were higher than the 2018 results (4.0 µg/L). Spring turnover and yearly mean phosphorus concentrations at BMR-4, and BMR-9, and spring turnover phosphorus concentrations at BMR-6 and BMR-10 remain consistent with previous results. Spring phosphorus and yearly mean phosphorus levels at BMR-4 were the second lowest recorded to date. The *E. coli* concentrations at BMR-4 and BMR-9 were well below the yellow light limit set by the MLA (details in report Section 3). The Secchi depth in 2019 is consistent with previous years measurements. Secchi depths have ranged through sampling years, varying between 2.25 and 4.40 m (recorded in 2009 and 2015). BMR was given a green stoplight in 2018 and remains green in 2019. **Beacon recommends sampling continue to monitor long-term trends.**