



### Area Description:

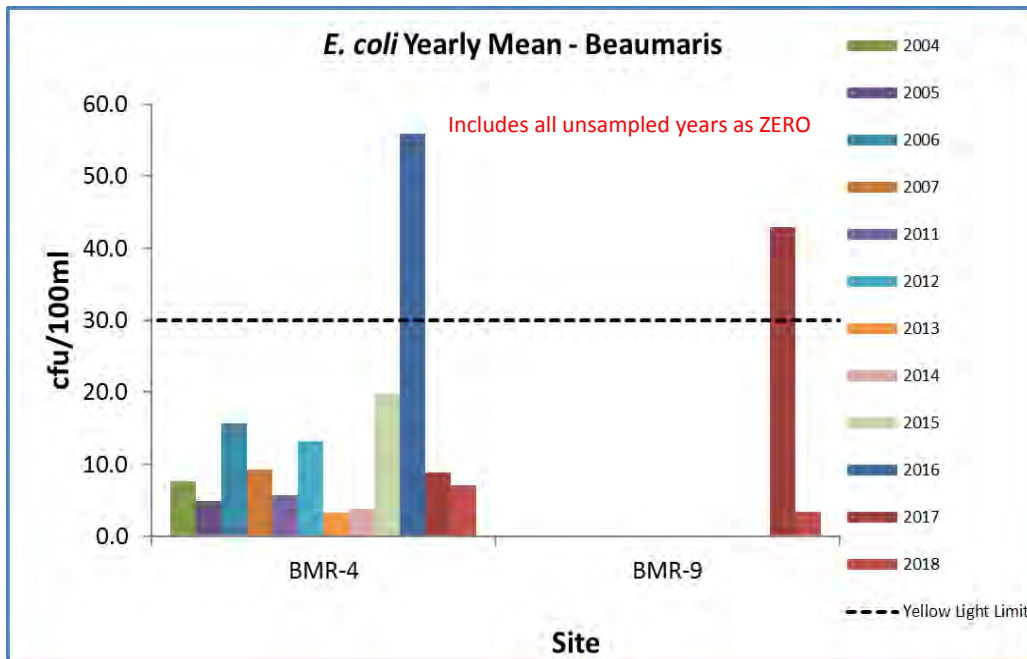
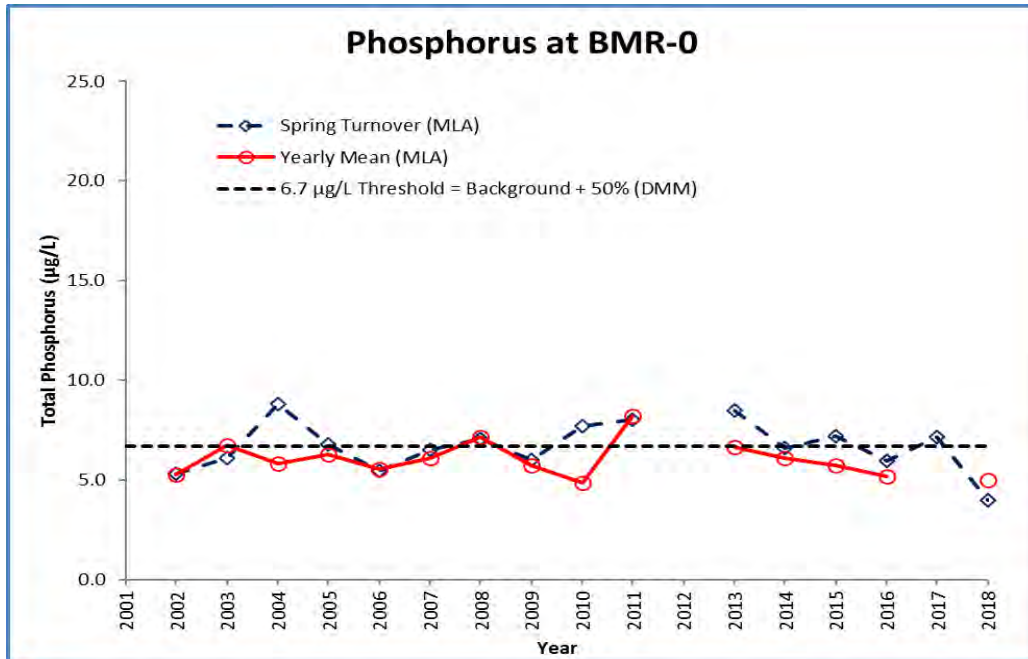
This island is in the Milford Bay area of northeastern Lake Muskoka is approximately 132 ha in size. A golf course takes up much of the island, which is associated with a small private club and marina. Most of the natural shoreline vegetation is intact, but there are many large boathouses in this area. 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, Lloyd Walton, Eliza Nevin, Chris Cragg, Andree Baillargeon and Allen Flye.**

## Beaumaris (BMR)

2018 Water Quality Results: (Note: Hatched cell signifies not tested for in 2018)

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	3.3	4.0	5.0			
BMR-4		2.0	4.3	7.1	105.1	
BMR-5		4.0				
BMR-6		5.0	6.3			
BMR-9		5.0		3.4	59.0	
BMR-10		10				
BMR-12		12				



## Summary and Recommendations:



Phosphorus was sampled for at the first 2 dates at BMR-0 in 2018, and spring phosphorus results were the lowest recorded to date (4.0 µg/L). Spring turnover and yearly mean phosphorus concentrations at BMR-5, BMR-6, and BMR-9 remain consistent with previous results while spring phosphorus at BMR-4 was the lowest recorded to date and overall, BMR-4 showed lower than average phosphorus through the year. Spring phosphorus at BMR-10 decreased from 2017 and spring phosphorus decreased substantially at BMR-12 from the level in 2017. 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 2018 was consistent with previous years measurements prior to 2017. Depths have ranged through sampling years, varying between 2.25 and 4.40 (recorded in 2009 and 2015). BMR was given a green stoplight in 2018, changed from a yellow stoplight in 2017. **Beacon recommends sampling continue to monitor long-term trends.**