Area Description:

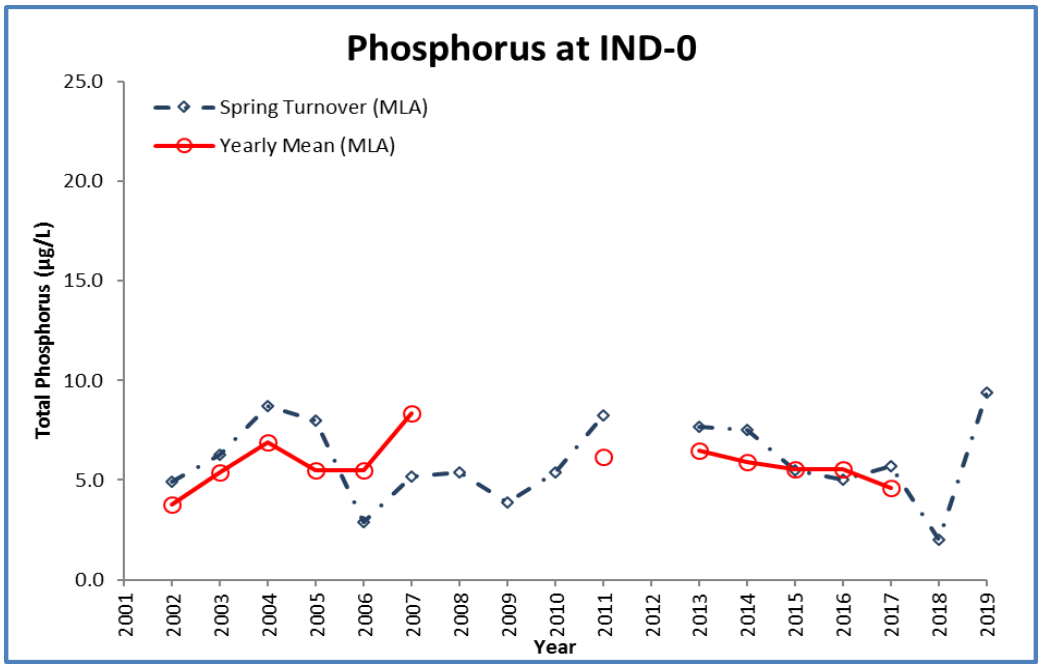
The Indian River flows from Lake Rosseau, through Port Carling and into Mirror Lake and Lake Muskoka. This highly developed area receives stormwater from the Port Carling urban centre. It also has high boat traffic, a locks system, marinas and many commercial and residential properties. A large lacustrine wetland is located adjacent to the river. Monitoring started in 2002. All stations shown may not be sampled each year.

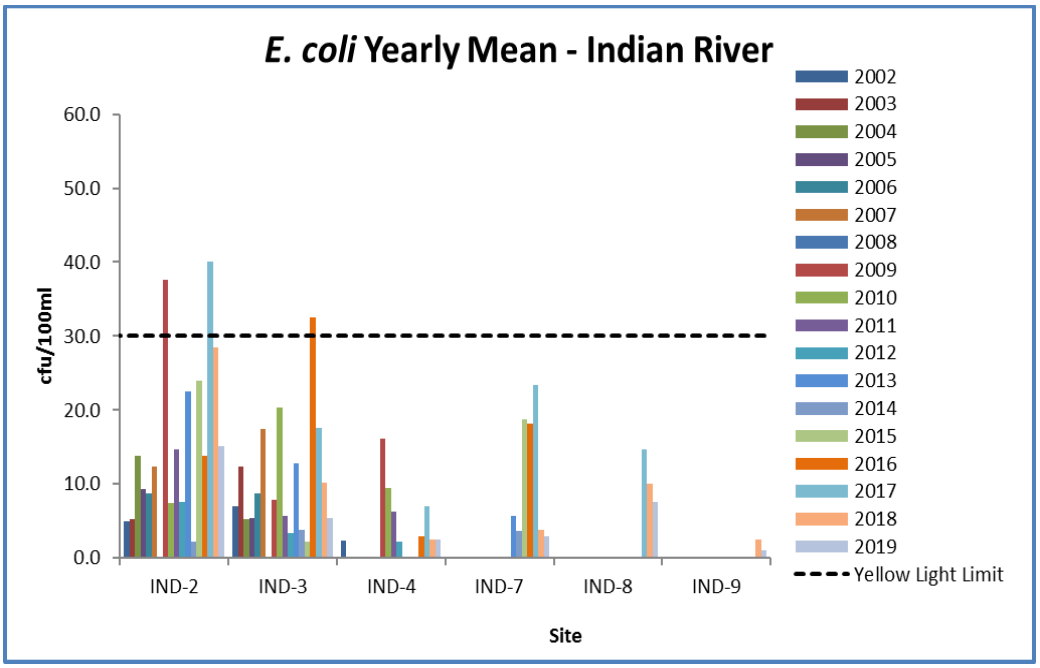
Volunteer Recognition: **Jane Armstrong, Ian Turnbull, Dianne Turnbull** and **Chris Vandergrift.**

Indian River (IND)

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)	DOC Yearly Mean
		Spring Turnover	Yearly Mean			
IND-0	3.3	9.4				
IND-2				15.1	96.2	
IND-3				5.3	25.1	
IND-4				2.5	26.8	
IND-7		4.6	5.7	3.0	63.7	
IND-8		5.1		7.5	81.2	
IND-9		4.8		1.0	7.8	





Summary and Recommendations:

The 2019 spring phosphorus concentration at IND-0 was the highest recorded to date. Only one spring phosphorus sample was collected at IND-0 in 2019, therefore no yearly mean could be calculated, and no value is reported for 2019. Sites IND-8 and IND-9 were new in 2017 and the 2019 spring results remain consistent with low spring phosphorus. *E coli* concentrations observed in 2019 remain below the MLA stoplight limits (details in report Section 3) at all stations. Secchi measurements also remain stable through sampling years, varying between 2.0 and 5.6 (2014). **Beacon recommends that all sampling be continued to monitor long-term trends and *E. coli* levels.**