

Area Description:

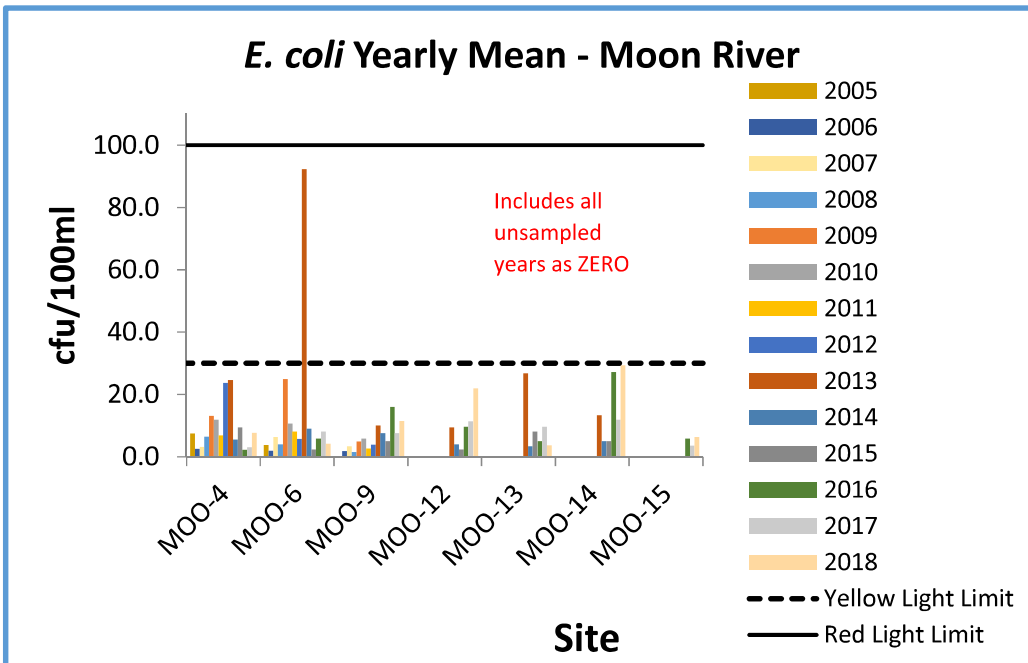
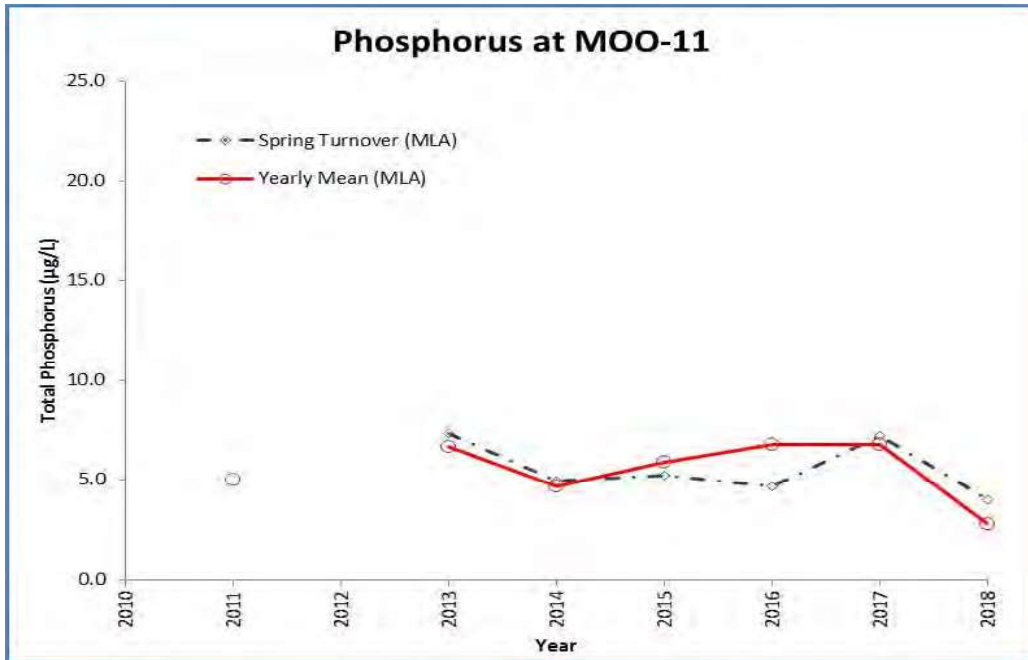
The Moon River is the main outlet of the Muskoka Watershed, flowing from Lake Muskoka to Georgian Bay. The river receives overland drainage from the Town of Bala and its urban area, including many roads and the developed shoreline. Approximately 12 creeks outlet into this sampling area, several of which drain wetlands. All stations shown may not be sampled each year.

Volunteer Recognition: Barry Fisher, Hayley Masson, Jessica Ylanko, Cathy Malcomson, Cathy Brown, Dave Macintosh, Mike Malone, Hannu Ylanko, and Barbara Macintosh.

Moon River (MOO)

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

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		
MOO-1		5.0	4.5		
MOO-4		6.0	5.5	7.6	41.0
MOO-6		6.0	6.0	4.2	26.6
MOO-9		6.0	6.0	11.4	29.7
MOO-11	3.6	4.0	2.8		
MOO-12		7.0	4.8	3.6	51.1
MOO-13		9.0	7.8	21.9	100.3
MOO-14		6.0	4.5	29.3	81.7
MOO-15		9.0	7.0	6.3	38.7



Summary and Recommendations:



The spring phosphorus and yearly mean phosphorus concentrations at MOO-11 in 2018 were the lowest recorded to date. The 2018 spring phosphorus and yearly phosphorus mean concentrations at MOO-1, MOO-4 and MOO-12 were the lowest recorded to date. All other sites remained consistent with phosphorus levels encountered historically. *E. coli* levels were all below the MLA stoplight limits (details in report Section 3) in 2018. The 2018 mean Secchi measurement was the deepest recorded to date. **Beacon recommends that all sampling be continued to monitor long-term trends.**