



Area Description:

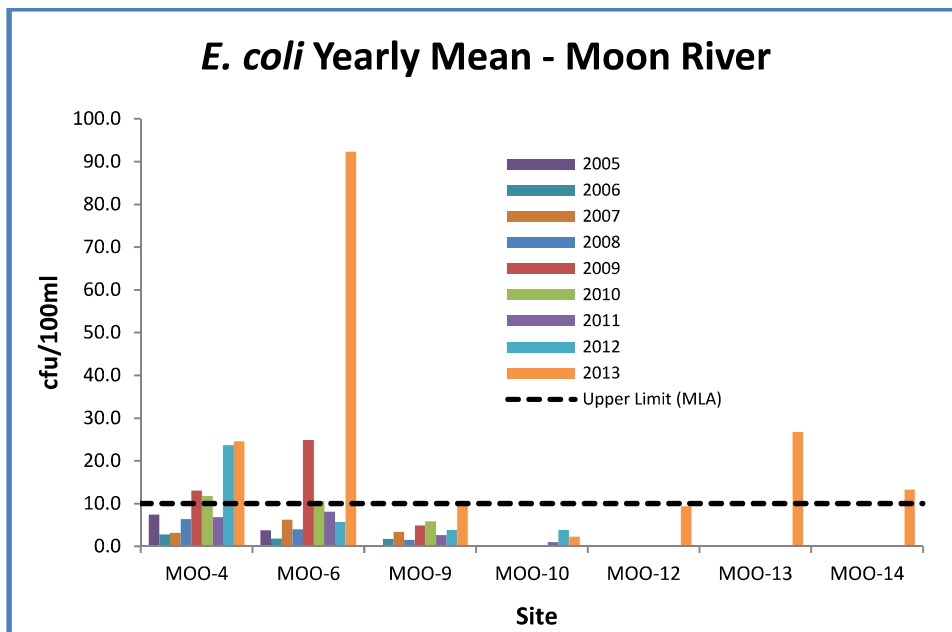
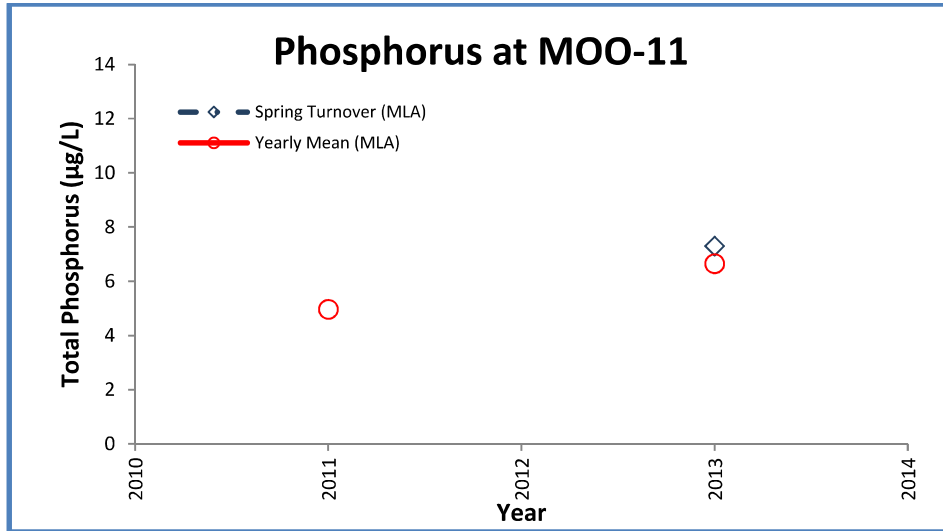
The Moon River is the main outlet of the Muskoka Watershed, flowing from Lake Muskoka to Georgian Bay. The river receives overland drainage from the Town of Bala and its urban area, including many roads and the developed shoreline. Approximately 12 creeks outlet into this sampling area, several of which drain wetlands.

Volunteer Recognition: Bruno Polewski, Victoria Murphy, Tara Murphy, Anne Polewski and Bill Purkis.

Moon River (MOO)

2013 Water Quality Results: (Note: Hatched cell signifies not tested for in 2013)

Station	Mean Secchi Disk (m)	Total Phosphorus (µg/L)		<i>E. coli</i> Yearly Mean	Total Coliform Yearly Mean
		Spring Turnover	Yearly Mean		
MOO-1		12.0	8.3	5	22
MOO-4		9.3	7.8	25	78
MOO-6		12.3	8.7	92	171
MOO-9		7.4	6.9	9	41
MOO-10		7.3	6.1	2	35
MOO-11	3.2	7.3	6.7	3	13
MOO-12		11.3	9.4	9	80
MOO-13		9.1	8.4	27	119
MOO-14		7.4	7.1	13	53



Summary and Recommendations:

Monitoring of the deep-water location MOO-11 started in 2011. Phosphorus concentrations have remained generally consistent through the sampling years. Elevated *E. coli* levels above the MLA upper limit occurred at all nearshore sites in 2013 and retest results showed similarly high levels. MOO-6 encountered high levels at both sampling dates. It was noted in the 2012 Water Quality Report that MOO-6 had been equal to or below the MLA upper limit for three years and it was recommended that sampling should be considered at an alternative site. Beacon recommends further investigation of MOO-6 in 2014 and recommends that all sampling be continued to monitor long-term trends.