

## 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

Moon River was monitored in 2012 by Tara Murphy, Victoria Murphy, Anne Polewski, **Bruno Polewski**, and Bill Purkis.

## 2012 Data

- MOO-11: Calcium = 3.57 mg/L  
Secchi = 3.8 m<sup>1</sup>
- MOO-1: TP-Yearly mean = 5.6 µg/L
- MOO-4: TP-Yearly mean = 7.0 µg/L  
Total coliforms = 72 cfu/100 mL<sup>2</sup>  
Total *E. coli* = 24 cfu/100 mL<sup>2</sup>
- MOO-6: TP-Yearly mean = 5.9 µg/L  
Total coliforms = 12 cfu/100 mL  
Total *E. coli* = 6 cfu/100 mL
- MOO-9: TP-Yearly mean = 7.3 µg/L  
Total coliforms = 17 cfu/100 mL  
Total *E. coli* = 4 cfu/100 mL
- MOO-10: TP-Yearly mean = 5.3 µg/L  
Total coliforms = 13 cfu/100mL<sup>3</sup>  
Total *E. coli* = 3 cfu/100 mL<sup>3</sup>

<sup>1</sup>Based on 3 measurements following spring turnover period

<sup>2</sup>Based on 3 sampling events; includes one sample with elevated *E. coli* levels and one follow-up sample

<sup>3</sup>Based on 1 sampling event; 1 measurement discarded due to error in bacteria sample analysis

## Comments and Recommendations

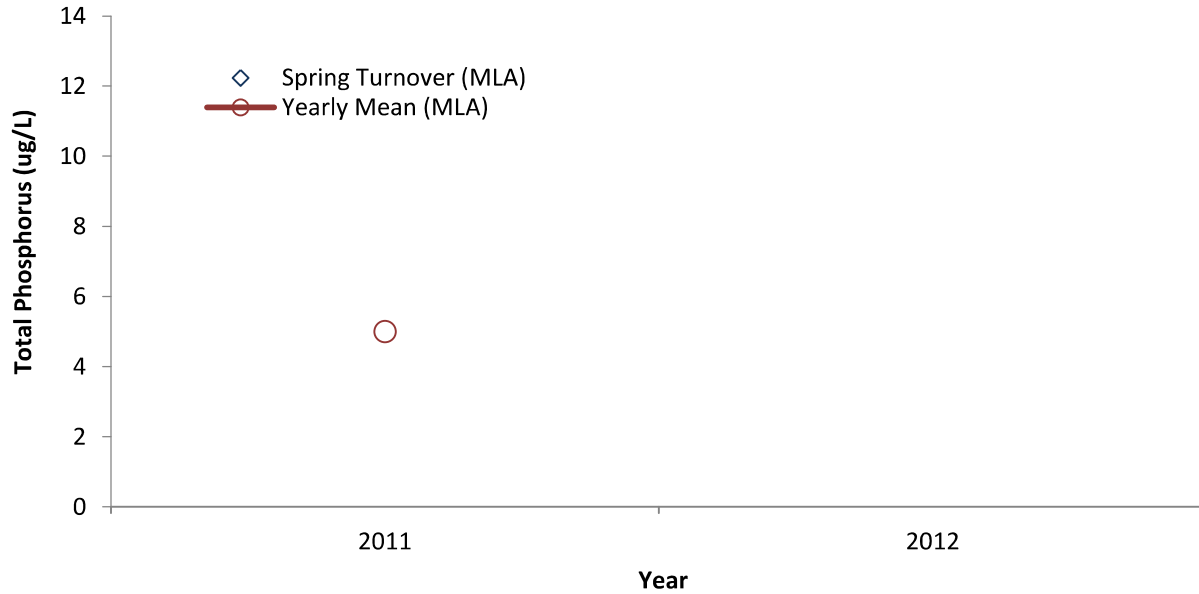
Monitoring of Moon River started in 2005.

MOO-11 was established as the new deep-water reference site in 2012.

*E. coli* levels in 2012 were below the MLA upper limit with the exception of MOO-4.

*E. coli* levels at MOO-6 and MOO-9 have been equal to or below the MLA upper limit for the past 3 years. Sampling at alternative locations should be considered.

**Phosphorus at MOO-11**



***E. coli* Yearly Mean - Moon River**

