



## 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 draining wetlands.

## Volunteer Recognition

Moon River was monitored in 2011 by Simon Dwyer, Tara Murphy, Victoria Murphy, Anne Polewski, **Bruno Polewski**, and Bill Purkis.

## 2011 Data

MOO-1: TP-Spring turnover = 7.4 µg/L  
 TP-Yearly mean = 6.1 µg/L  
 Calcium = 3.39 mg/L  
 Total coliforms = 9 cfu/100 mL  
 Total *E. coli* = 2 cfu/100 mL

MOO-3: TP-Yearly mean = 5.6 µg/L\*  
 Total coliforms = 15 cfu/100 mL  
 Total *E. coli* = 2 cfu/100 mL

MOO-4: TP-Yearly mean = 7.0 µg/L\*\*  
 Total coliforms = 27 cfu/100 mL  
 Total *E. coli* = 7 cfu/100 mL

MOO-5: TP-Yearly mean = 5.9 µg/L\*\*  
 Total coliforms = 12 cfu/100 mL  
 Total *E. coli* = 1 cfu/100 mL

MOO-6: TP-Yearly mean = 6.3 µg/L\*\*  
 Total coliforms = 52 cfu/100 mL  
 Total *E. coli* = 8 cfu/100 mL

MOO-7: TP-Yearly mean = 5.6 µg/L\*\*  
 Total coliforms = 18 cfu/100 mL  
 Total *E. coli* = 2 cfu/100 mL  
 Secchi = 3.4 m<sup>±</sup>

MOO-8: TP-Yearly mean = 5.2 µg/L\*\*  
 Total coliforms = 25 cfu/100 mL  
 Total *E. coli* = 3 cfu/100 mL

MOO-9: TP-Yearly mean = 5.3 µg/L\*\*  
 Total coliforms = 11 cfu/100 mL  
 Total *E. coli* = 3 cfu/100 mL

MOO-10: TP-Yearly mean = 6.6 µg/L  
 Total coliforms = 15 cfu/100 mL  
 Total *E. coli* = 1 cfu/100 mL

MOO-11: TP-Yearly mean = 5.1 µg/L\*  
 Total coliforms = 5 cfu/100 mL  
 Total *E. coli* = 2 cfu/100 mL  
 Secchi = 3.2 m

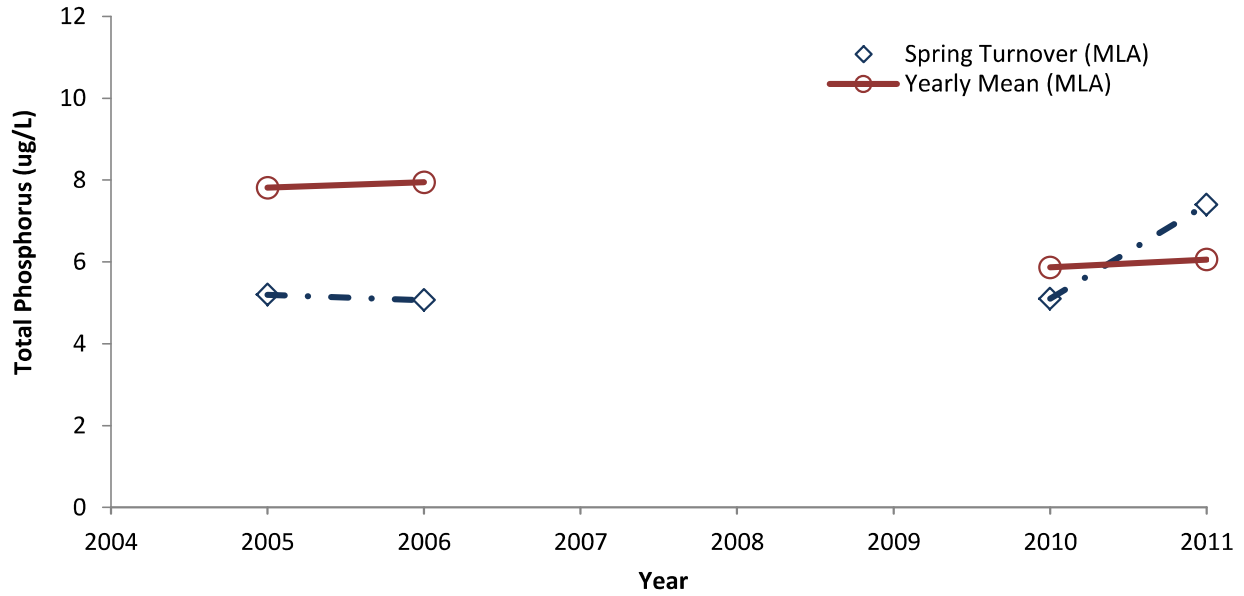
(\* based on 3 sampling events; \*\* based on 2 sampling events; <sup>±</sup> based on 3 measurements)

## Trends and Recommendations

Monitoring of Moon River started in 2005 and should continue in 2012 following existing sampling protocol to monitor long-term terms.

2011 spring turnover TP and yearly mean TP concentrations are consistent with historical values.

## Phosphorus at MOO-1



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

