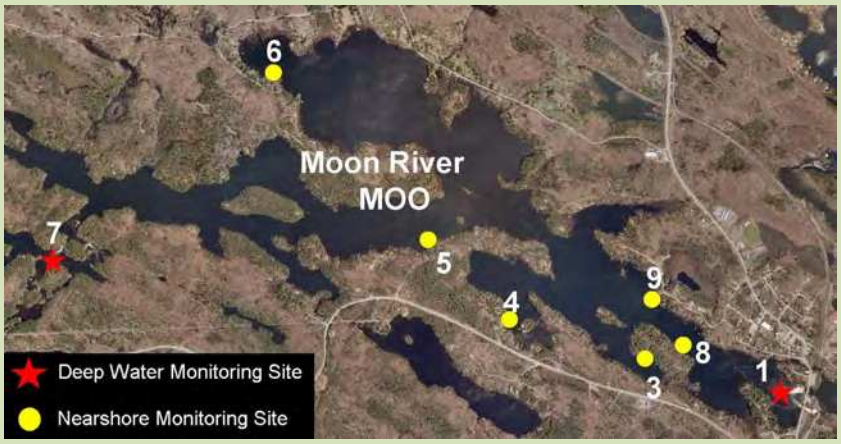
MOON RIVER (MOO)



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 2010 by Allen & Jane Bossin, Bruce & Nancy Calder, Simon Dwyer, Peter Hemming, Bob McTavish, Paul & Tara Murphy, Anne & **Bruno Polewski**, Bill Purkis and Carolyn Sullivan.

2010 Data

MOO-1: TP-Spring turnover = 5.1 µg/L
TP-Yearly mean = 5.9 µg/L
Secchi = 4.0 m
Total coliforms = 29 cfu/100 mL
Total *E. coli* = 11 cfu/100 mL

MOO-3: TP-Yearly mean = 5.0 µg/L
Total coliforms = 29 cfu/100 mL
Total *E. coli* = 2 cfu/100 mL

MOO-4: Total coliforms = 55 cfu/100 mL
Total *E. coli* = 12 cfu/100 mL

MOO-5: Total coliforms = 19 cfu/100 mL
Total *E. coli* = 2 cfu/100 mL

MOO-6: Total coliforms = 51 cfu/100 mL
Total *E. coli* = 8 cfu/100 mL

MOO-7: Total coliforms = 16 cfu/100 mL
Total *E. coli* = 2 cfu/100 mL

MOO-8: Total coliforms = 32 cfu/100 mL
Total *E. coli* = 5 cfu/100 mL

MOO-9: Total coliforms = 26 cfu/100 mL
Total *E. coli* = 5 cfu/100 mL

Trends

Monitoring of the Moon River started in 2005.

In 2010, *E. coli* levels at MOO-1 and MOO-4 were elevated compared to previous years, each falling above the MLA upper limit.

Comments and/or Recommendations

Continue sampling spring turnover phosphorus to monitor long-term trends.

In 2011, document land use adjacent to MOO-4 and MOO-6 to help determine potential sources of *E. coli*.

(MOO) MOON RIVER