



Shout Out to Watershed Hero!

Dr. April James

Associate Professor, Department of Geography at Nipissing University.



Currently Dr. James supervises graduate students in the Masters of Environmental Science program at Nipissing University and the PhD Boreal Ecology program at Laurentian University. *Canada Research Chair, Watershed Analysis and Modelling (2010-15; 2015-20) and Adjunct Associate Professor, Department of Biology, Laurentian University, [Vale Living With Lakes Centre](#).*

April has collaborated with NBMCA on water quality monitoring; - lead research and supervise student thesis on local water quality concerns, including phosphorus in the Callander watershed.

In partnership with Nipissing University's Integrative Watershed Research Centre (IWRC, iwrc.nipissingu.ca.) April and her team run high-frequency monitoring of weather and water conditions on Lake Nipissing, one of our local lakes and the source of drinking water for several local communities. Here, they investigate in-lake processes, including how meteorological conditions affect external and internal loading of nutrients like phosphorus and the resulting water quality of local Bays on Lake Nipissing.

Current Research projects:

- Use of stable water isotopes in the study of water cycling in Precambrian Boreal Shield watersheds and lakes.
- Computer modeling of water quality and quantity in Boreal Shield watersheds.
- The Lake Nipissing Bays project: from headwaters to lake.
 - Study of the influence of meteorological conditions on internal nutrient loading to water quality conditions in local bays.
 - Study of phosphorus loading from watershed to Bay.
- The Lake Nipissing Watershed State of the Basin Report

Dr. April James has been involved with over 25 research papers related to watershed studies and water quality.

As part of our 50th anniversary we're proud to recognize Dr. April James commitment and dedication to our watershed by acknowledging her as a Watershed Hero.

