

Post-Doctoral Research Position – Stream Water Quality and Statistical Analysis

We are seeking to hire an environmentally-focused post-doctoral fellow to join our multi-disciplinary team. The Multi-Watershed Nutrient Study (MWNS) began in 2014 and works to assess the scope for change in agricultural nutrient inputs (e.g., phosphorus loadings) to the Great Lakes and is a key action in the Lake Erie Action Plan to improve the knowledge base and inform restoration actions. The MWNS explores: 1) how agricultural stream nutrient loads have changed over the past 40 years, 2) complementary changes in land use and land management, 3) seasonality of nutrient loading and 4) the relevant forms of nutrients that move through sub-watersheds from landscapes to lakes *via* stream environments.

The MWNS, led by the Ontario Ministry of the Environment, Conservation and Parks (MECP), consists of leading academics, federal and provincial government scientists, graduate students and technicians. The successful applicant will work closely with the rest of the MWNS team to develop nutrient loading models for small agricultural streams, compute and compare nutrient loads where MWNS watersheds are the same as those intensively studied 40 years ago, examine within- and between hydrological event nutrient dynamics and conduct analyses of the relationship between agricultural land use/land management and nutrient loading. The 24-month position can be based either at the MECP in Etobicoke, Ryerson University in Toronto or a combination of the two locations.

Applicants must have a doctoral degree in science, environmental management or engineering. Preference will be given to candidates with strong quantitative skills and a proven publication record in one or more of the following areas: aquatic biogeochemistry, ecology, hydrology, statistical or geospatial analysis. Experience with the R statistical software environment and ArcGIS or QGIS would be an asset.

Please submit your application package electronically as a single pdf file to (christopher.wellen@ryerson.ca); include “MWNS_Postdoc_Surname_FirstName” in the subject line. Your application should contain:

- A cover letter stating your motivation for applying to this position, your research experience and interests (1 page max)
- Resume
- Contact information for 3 references

Closing date: Applications will be reviewed as they are received, with a start date as soon as January 6, 2020.

Proudly diverse and intentionally inclusive, Ryerson University is committed to community engagement, action, inclusion, respect for Aboriginal perspectives, equity, diversity and putting people first. [Ryerson was named one of Canada’s Best Diversity Employers in 2019.](#)

We thank all applicants for their interest, however, only those individuals selected for an interview will be contacted.