



## Lower Thames Valley Conservation Authority Watershed Monitoring Specialist - Job Posting

# Watershed Monitoring Specialist

**LOCATION:** 100 Thames Street, Chatham, ON, N7L 2Y8

**DEPARTMENT:** Water Management

**REPORTING TO:** Water Management Supervisor

**DATE POSTED:** 2019-03-11

**CLOSING DATE:** 2019-03-24

**APPROXIMATE START DATE:** 2019-04-15

**POSITION TYPE:** Contract

### **PURPOSE OF POSITION:**

This Contract position will provide an exciting opportunity for a high-energy team player with excellent communications and technical skills. The successful application will support the Lower Thames Valley Conservation Authority's (LTVCA) watershed monitoring and research programs. The position will maintain and conduct field sampling at the LTVCA Provincial Water Quality Monitoring Network (PWQMN) and Provincial Groundwater Monitoring Network (PGMN) sites/stations. Furthermore, the successful applicant will play a key role in assisting the LTVCA with the delivery of the McGregor and Jeannettes Creek Phosphorus Reduction Program. The LTVCA McGregor and Jeannettes Creek Phosphorus Reduction Program is a subwatershed study, which is designed to support farmers with implementation of agricultural Best Management Practices (BMPs) with the goal of improving soil health and water quality. In addition to supporting the implementation BMPs, the LTVCA will conduct rigorous environmental monitoring within each subwatershed to validate the effectiveness of the BMPs at reducing agriculturally sourced nutrient loads. The goal of the program is to support the agricultural sector in reducing non-point source nutrient loads within the Thames River watershed and to improve the quality of our soil, water, and air.

The Watershed Monitoring Specialist will be responsible for conducting a variety of monitoring, data collection/management, environmental technology installation, and stakeholder education and outreach tasks to support the LTVCA's various Water Management programs.

### **SPECIFIC RESPONSIBILITIES:**

- Maintain site instruments and conduct water sampling at the LTVCA PWMQN and PGMN sites.
- Support the LTVCA Water Management Supervisor with maintaining the functionality of hydrometric stations, rain gauges, and weighted precipitation gauges
- Assist with managing and maintaining the operation of the Jeannettes and McGregor Creek Phosphorus Reduction Program monitoring network. Activities associated with managing and maintaining the subwatershed monitoring stations are as follows:



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- Conduct water sampling at research sites during precipitation and flow events.
- Process samples for shipment to laboratories for nutrient analysis.
- Install, troubleshoot, repair and maintain monitoring instrumentation as necessary.
- Assemble, manage, and analyze time-series data that is collected from the various monitoring instruments.
- Support the Agricultural Program Coordinator with maintaining the various ongoing LTVCA Phosphorus Reduction Initiatives throughout the watershed.
- Assist with project design, grant writing, data evaluation, data analysis, data synthesis, and reporting for new LTVCA Water Management projects.

### QUALIFICATIONS:

1. A diploma or degree from a recognized college or university in environmental science/technology, environmental studies, or a related discipline.
2. 3-4 years of relevant industry work experience.
3. Technically capable, with experience installing and maintaining environmental technologies in the field.
4. Experience measuring water quantity and stream flows. Ability to analyze and interpret flow and water quality data.
5. Experience related to water quality monitoring, sample collection, edge-of-field monitoring of nutrient loss. Experience with automated sampling and data collection techniques will be an asset.
6. Understanding of natural hazards such as flooding, coastal processes, wetland functionalities.
7. Reliable and capable of working in the field independently, while effectively communicating with project team members.
8. Excellent verbal, written communication and interpersonal skills.
9. Effective at managing time and prioritizing tasks.
10. G Class Drivers Licence (Mandatory).
11. First Aid Certificate and Working at Heights Certified.
12. Working at Heights Certified

### COMPENSATION & HOURS:

**Wage:** \$26.85/hour

**Weekly Hours:** 35 Hours

**Vacation Time:** 2 weeks

Please send a resume and cover letter by 2019-03-24 noting this position to:

Lower Thames Valley Conservation Authority

100 Thames Street

Chatham, ON N7L 2Y8 or

Fax: 519-352-3435 or

Email: [Jason.Wintermute@ltvca.ca](mailto:Jason.Wintermute@ltvca.ca) & [Colin.Little@ltvca.ca](mailto:Colin.Little@ltvca.ca)



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

LTVCA is an equal opportunity employer in accordance with the Accessibility for Ontarians with Disabilities Act, 2005 and the Ontario Human Rights Code. LTVCA is committed to providing accommodations throughout the recruitment, selection and/or assessment process to applicants with disabilities. If you require disability related accommodations, please notify us and we will work with you to meet your needs. Personal information provided is collected under the authority of the Municipal Freedom of Information and Protection of Privacy Act.