

The Essex Region Conservation Authority is seeking a
Watershed Data Technician (SGE)
~9 month Contract

POSITION TITLE: Watershed Data Technician (SGE Contract)

Windsor and Essex County is a vibrant community located in South-Western Ontario. Offering a rich urban community with world class entertainment, art and culture located minutes from an international border with the United States (Detroit, MI) and easy access to rural areas with historical sites, wineries, golf-courses, parklands and extensive trail systems for the outdoor enthusiast

The Watershed Data Technician is responsible for: coordinating water sampling collection; inputting data; managing and analyzing water quality and quantity data; and supporting various agricultural best management practices and partner outreach activities, which support water quality monitoring programs and term-limited studies (e.g. Provincial Water Quality Monitoring Network, ONFARM, Living Lab, Kingsville-Leamington Network "KLN").

This position is classified as a 'Special Grant Employee' as the tasks associated with this position are funded in whole or in part through Federal and Provincial agency funding sources.

To Apply:

1. Send your cover letter & resume in ONE document (either Word or PDF format only) to careers@erca.org by no later than 12:00 pm on Monday, June 6, 2022.
2. Please note the title of the position you are applying for in the subject line of your email.

DUTIES AND RESPONSIBILITIES:

- Assists with the implementation of monitoring programs associated with the ONFARM and Living Lab projects, in Wigle Creek, and the Kingsville Leamington Nutrient project.
- Coordinates the sampling schedule for ONFARM and Living Lab projects and other water quality programs. This includes setting automated samplers (ISCOs) to capture storm events and selecting samples using the hydrograph.
- Compiles, manages and analyzes water quality and quantity data (e.g. chemical, physical, and biological) residing in large relational databases, including a proprietary SQL Database (WISKI) with a primary purpose of calculating nutrient loads. Performs QA/QC to ensure data continuity and accuracy.
- Utilizes additional data collection tools (e.g. Survey123 and ArcGIS Field Maps, etc.) to compile qualitative and quantitative data (e.g. land management surveys, windshield surveys of agricultural fields and field notes, etc.)
- Prepares technical reports and information on water quality projects including ONFARM, Living Lab and Kingsville Leamington Nutrient project. Communicates issues, collects data, and reports on milestones, results and program delivery in accordance with funding agreements.

- Promotes agricultural best management practices through involvement with landowners, and assists with: the planning; technical content; and implementation of outreach activities, for the promotion and awareness of the Authority's role in the delivery of the ONFARM and Living Lab projects.
- Assists with installation, calibration, use, and troubleshooting of water quality monitoring equipment including field sonde probes, ISCO's, flow gauges and other monitoring equipment, as required.
- Other related duties as assigned.

MINIMUM QUALIFICATIONS:

- University degree in an environmental field with particular emphasis on water quality; MSc is considered an asset
- 2-3 years' relevant experience in water quality or hydrology, including knowledge of stream hydrology, agricultural practices and Best Management Practices
- Strong knowledge of water quality monitoring, equipment and analysis
- Well-developed written and oral communication skills
- Strong interpersonal skills and ability to work as part of a team and with stakeholders
- Proficient with computers and standard software applications (MS office environment-Word, Excel, Access); Experience with GIS and SQL databases is considered an asset
- Ability to effectively organize, analyze, and manipulate data, for the purposes of preparing reports, containing relevant and digestible information, for various stakeholders
- Must possess and maintain an MTO Class G Driver's License in good standing

WORKING CONDITIONS:

- Position is based up to 35 hours per week. Work week schedule may vary throughout the year, including weekends, dependent upon water quality monitoring requirements. There is no guarantee of full time hours and this position may be subject to temporary layoffs from time to time and/or alternate work schedules should business interruptions occur.
- Hazards and Risks: Works with small quantities (25 mL) of concentrated nitric acid, collects samples of water containing E coli and other contaminants. PPE must be worn accordingly. Must be able to lift up to 20 pounds for short distances of up to 500 m.
- Occasional site visits requiring prolonged standing/walking, negotiating of obstacles, and bending or stooping.
- Environmental conditions: Work is often performed within a standard office environment, and regularly requires periods of visual and mental concentration of 2 to 4 hours duration, prolonged sitting (and associated physical strain), and accuracy and attention to detail. Sampling takes place during all seasons, including winters, wet rain events, and summer seasons. The technician must

ensure his/her own safety and perform duties within reason (e.g. sampling during thunderstorms is unsafe and not permitted).

Department:	Conservation Services, Water Quality Team
Union Affiliation:	n/a
Job Status:	Special Grant Employee, Contract. The period of this contract is to March 31, 2023.
Hours of Work:	35 hours per week based, with occasional evening and weekend hours required, occasionally on short notice.
Posting Added Date:	May 25, 2022
Posting Closing Date:	June 6, 2022
Posting Closing Time:	12:00 p.m.
Positions to Fill:	One (1)
Progress Status:	Receiving Applications
Office Location:	360 Fairview Avenue West, Suite 311, Essex, ON N8M 1Y6
Wage Rate:	\$26.59 - 2022 starting rate, with scheduled increases
Grade:	NBUAdvSk2
Contact:	Nicole Kupnicki, Human Resources Manager, careers@erca.org

- ERCA is an equal opportunity employer.
- We thank all applicants in advance, however, only those selected for an interview will be contacted.
- Personal information is collected in accordance with the Municipal Freedom of Information & Protection of Privacy Act and will be used for the purpose of this employment opportunity only.
- We are pleased to accommodate any individual needs under the Ontario Human Rights Code and the Accessibility for Ontarians with Disabilities Act. If you require accommodation throughout the hiring process, please contact HR at 519-562-9088 to make your needs known in advance.

COVID-19 Considerations: As circumstances evolve with Covid-19, this position may involve a combination of working remotely and in-office. Staff in the Conservation Services Department are currently working in-office and remotely in scheduled cohorts. This position involves a combination of field and office work