

# Geographic Information System (GIS) Technical Assistant

**LOCATION:** Lower Thames Valley Conservation Authority Administration Office, Chatham

**DEPARTMENT:** Water Management

**REPORTING TO:** Jason Wintermute, Water Management Supervisor

**DATE POSTED:** Friday, July 19 2019

**CLOSING DATE:** Monday, August 5, 2019

**APPROXIMATE START DATE:** September 16, 2019

## **PURPOSE OF POSITION:**

The Geographic Information System (GIS) Technical Assistant will assist the GIS Technician in providing mapping, analysis and technical support to species at risk related natural heritage management programs and projects.

## **QUALIFICATIONS:**

- A bachelor's degree from a recognized university or a diploma from a recognized college in GIS, geography, engineering, science or other environmentally-related discipline with significant background in GIS and related computer system applications with at least one to two years' experience.
- Demonstrated knowledge and experience in the use and application of Geographic Information Systems.
- Knowledge and experience with computer systems and software packages related to GIS (e.g. ArcGIS Desktop, ArcGIS Pro, QGIS, SAGA, GRASS, WhiteBox).
- Knowledge and experience with programming languages commonly used to support GIS applications would be an asset.
- Some experience in resource management, environmental assessment and/or species at risk disciplines would be an asset.
- Knowledge and experience with statistical analyses and software would be an asset.
- Knowledge and experience with WISKI software would be an asset.

- Excellent verbal and written communication skills in order to provide advice and technical support to LTVCA staff.
- Ability to work effectively in a team environment.
- Ability to work independently and solve problems.
- Effective at managing time and prioritizing tasks.
- Valid G Class Drivers Licence preferred.

### **SPECIFIC RESPONSIBILITIES:**

- Provide the technical support needed to complete a threat assessment related to aquatic species at risk (fish and freshwater mussels) in the Authority and develop salt sensitivity mapping for these species.
- Contribute to the development and maintenance of a comprehensive resource database for the Lower Thames Valley Conservation Authority watershed comprised of abiotic and biotic resource information.
- Work with conservation authority staff, government agencies, municipalities, community groups and others to coordinate the collection, analysis and reporting of GIS-based and other resource data.
- Undertake GIS projects in support of natural heritage studies, integrated resource management, and other applications within the Authority's mandate.
- Develop queries, models, forecasts, interpretations and analyze and report on complex GIS resource data as requested to support the Authority's various programs and project teams.
- Prepare reports for the board, participate in relevant committees, attend public meetings, etc., where required.
- Assist in the production and implementation of study proposals and management strategies as they relate to GIS.
- Provide statistical analysis of data sets.
- Ensure that all approved Authority policies, procedures and practices are followed in regard to all health and safety/risk management regulations, policies and practices.
- Participate in multi-disciplinary teams within the Authority.

### **COMPENSATION & HOURS:**

- 20 week contract.



## Lower Thames Valley Conservation Authority Job Posting

- **35 hours per week – 8:30 to 4:30 with 1 hour lunch.**
- **Salary: \$26.85 /hour starting wage**

Please send a resume and cover letter by Monday, August 5, 2019 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)

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.