



Internal/External Job Posting

Temporary Full Time Bargaining Unit Position

Water Resources Technician

Grand River Conservation Authority (GRCA) has an international reputation for excellence in managing the natural resources of the largest inland river system in southern Ontario. Encompassing approximately 6,800 square kilometres, the Grand River watershed has a population of almost one million people in 39 municipalities and two First Nations. Designated as a Canadian Heritage River, the Grand River and its major tributaries boast many outstanding human heritage features and excellent recreational opportunities. The GRCA is committed to environmental protection by delivering services that ensure the well-being of the environment and its inhabitants.

General Accountabilities

The Water Resources Technician position plays a key role in the flood forecasting and warning, dam management and water monitoring programs at the GRCA. This position reports to the Water Resources Engineer as part of the Surface Water Resources group within the Engineering department.

This position is responsible for data collection and analysis relating to the water control system. This includes compiling and maintaining the hydrometric data necessary for day to day operation of the gauge stations and dams. This position responds to information requests from staff, consultants, public and other agencies

Specific Accountabilities

1. Obtaining and managing streamflow measurements, streamflow time series data and reservoir report information.
2. Water Quality Sampling (secondary technician for continuous water quality station and probe maintenance. Act as the backup technician for the Provincial Water Quality sampling network).
3. Maintenance and development of rating curve information for GRCA stations and maintenance of gauge datum elevations.
4. Work closely with Water Survey of Canada staff to obtain and maintain up to date rating curve information and elevations for stations operated by Water Survey of Canada in the Grand River Watershed.
5. Maintenance of snow course equipment, information and reporting of snow course results to Ministry of Natural Resources.
6. Responsible for data quality assurance and archiving of hydrometric, stream gauge, snow course and climate information collected at GRCA operated stations.
7. Responsible for organizing and summarizing river watch reports provided by field staff.
8. Ability to perform basic analysis and interpretation of water quantity and water quality information.
9. Participate on the team that places and retrieves public safety buoys and booms, as needed.
10. Complete elevations surveys as requested.
11. Act as a member of the Duty Officer System.
12. Other related duties as assigned.

Technical Accountabilities

1. Diploma in Water Resource Management as a technician or technologist or equivalent
2. Minimum of 3 years related work experience in hydrometric and water quality sampling.
3. Working knowledge of water quantity/quality measurement techniques and equipment.
4. Working knowledge of water chemistry and Provincial Water Quality sampling protocols related to Provincial Water Quality Sampling Program.
5. Knowledge and experience in hydrology and collection of hydrometric information.
6. Knowledge and experience related to snow course measurement techniques.

7. Experience operating and maintaining Hydrolab and YSI water quality sampling equipment.
8. General understanding of reservoir structures and operations.
9. Knowledge of safety hazards related to working around water and roadways and experience working around streams and rivers.
10. Advanced computer skills related to data management and data analysis
11. Experience using survey grade GPS equipment and Acoustic Doppler Current Profiler (ADCP) technology.
12. Valid driver's licence.
13. Maybe required to obtain a valid Pleasure Craft Operators Card and MEDA3 commercial vessel training.

The pay range for this position is Job Level 6 \$29.77 to \$37.21 and hours of work are 35 per week

Approximate Start Date: November 2020

Term of Employment: One Year

To Apply: Please send a resume and covering letter to careers@grandriver.ca in MS Word or PDF format and quote "Water Resources Tech." in the subject line.

Deadline for Applications: 4:00pm Friday November 6, 2020

We thank you for your interest, however only candidates under consideration will be contacted.

Accessibility accommodations are available for all parts of the recruitment process. Applicants need to make their needs known in advance.