



NOTTAWASAGA VALLEY CONSERVATION AUTHORITY

JOB DESCRIPTION

Position: WATERSHED SCIENCE TECHNICIAN

Position Purpose:

Responsible for assisting with the collection, organization, analysis, and reporting of data for the Authority's watershed science program.

Date of Last Revision: March 2023

Position Reports To: Watershed Science Supervisor

Position Mandate for: Watershed Monitoring Technician

Management/Leadership

- Monitors the performance of works being done by self and subordinates to ensure safety and the use of protective devices, in accordance with NVCA policy and the Occupational Health and Safety Act.

Technical

- Delivery of watershed monitoring programs; i.e., benthic macroinvertebrates, surface water chemistry, fisheries, water temperature, streamflow, groundwater, fluvial geomorphology, bathymetric survey and terrestrial ecology and wetland ecology monitoring.
- Taxonomic identification of benthic macroinvertebrates (family level) and fishes.
- Experience with electronic monitoring equipment; i.e. data loggers, multiparameter sondes, acoustic doppler profiler, etc.
- Working knowledge of ArcGIS.
- Ability to input information into a database.
- Assist with data analysis using statistics.
- Assist with reports and presentations summarizing the results of the watershed monitoring program.
- Assist with the Source Water Protection program delivery.

Communications/Representation

- Interacting effectively with staff, external organizations and the public while using diplomacy in confronting issues
- Ability to adapt to others' personalities in a respectful manner that is conducive to goal achievement
- Promptly acts upon requests for information while demonstrating mutual respect
- Development of monitoring information for social media

Support/Core Skills:

- Ability to operate, maintain and calibrate all monitoring equipment.
- Ability to organize and plan work to make the best use of one's own time, avoid unnecessary and wasted effort, meet deadlines and other productivity requirements.
- Ability to handle concurrent demands, establish priorities and determine needed action.
- Motivated to learn or advance own expertise. Identify and act on opportunities to increase the value of own role to make a contribution outside of own role.
- Demonstrate flexibility in continuous learning and incorporating new approaches, ideas, and technology.
- Good oral and written communication skills to compose correspondence and reports and communicate effectively with individuals of varying levels of education and diverse backgrounds.
- Achieving accuracy and thoroughness in all aspects of work. Ensuring procedural, professional, and/or organization standards are adhered to.
- Being receptive and open to change.

- Using basic business tools/applications/processes (e.g. word processing, e-mail, keyboarding, basic information management conventions) necessary to perform job.
- Keeping up to date on the tools/applications and basic business skills that are expected of all employees to enable them to function efficiently.
- Working well with others to accomplish common goals or assignments while demonstrating mutual respect, including understanding own and others' contributions, sharing information with others, being open, making others feel valued, and learning from others' experiences.
- Work outside normal business hours as required.
- Able to adapt to changing tasks and duties.

EDUCATION/LICENCES

- A post-secondary education in an Environmental or Earth Science related program.
- A valid driver's license is required.
- A valid first aid/CPR certification is required.

Factors in the Work Environment

Degree of interaction definitions: High = >70% of the time; Medium = >50% of the time; Fair = <50% of the time

- A FAIR degree of confidentiality and discretion is required.
- This position has a MEDIUM degree of impact of errors.
- This position reports to the Watershed Science Supervisor and has a FAIR degree of interaction with staff.
- Regular hours of employment are 8:30 a.m. to 4:30 p.m. Monday to Friday; however work outside of these hours may be required from time to time.
- Position is based in the Jose Building.

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Regularly required to sit and talk or hear.
- Regularly required to use hands for manual dexterity.
- Occasionally required to stoop, kneel, crouch, or crawl.
- Occasionally required to stand, walk and reach with hands and arms.
- Occasionally lift and/or move up to 50 pounds.
- Specific vision abilities required by this job include close vision and concentration, depth perception and ability to adjust focus for most of the day.
- Must be able to work in and traverse difficult, uneven terrain, including open water.

Work Environment

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- The noise level in the work environment is usually light, however, occasionally moderate.
- The employee is frequently exposed to outside weather conditions.
- Travel is required and would be within our watershed and not overnight.