

Job Description:

Restoration and monitoring intern



WINTER RIVER - TRACADIE BAY
WATERSHED ASSOCIATION

Supporting The Watershed,
So It Can Support You

General Description of Geographical Area

The Winter River-Tracadie Bay Watershed is located on the north coast of Prince Edward Island, just east of the center of the province. It covers approximately 14,600 hectares and is the principal source of potable water for the City of Charlottetown.

Accountability

The Intern is accountable to the Watershed Coordinator, who in turn reports to the Board of Directors of WRTBWA. When assigned to participate in field crew activities, Intern will report to the Field Supervisor.

General Duties

- Measuring water quality parameters such as nitrates and dissolved oxygen using hand held equipment, and collecting samples for laboratory testing of other parameters.
- Maintenance of water testing equipment and data entry of field notes
- Monitor water flow rates using automated data loggers, direct measurements, and field observations.
- Surveys to find sources of silt entering streams, and documentation of evidence to help the Association report issues to the Department of Transportation, Infrastructure and Energy or to private landowners.
- Collect data for Environment and Climate Change Canada's CABIN program to determine ecosystem health.
- Research issues of groundwater extraction for municipalities and agriculture.
- Participation in water makeover program including measuring water use of existing household items such as showerheads, faucets, and toilets; and providing information on behavioral changes to reduce water use.
- Participation in stream enhancement activities such as building brush mats to remove silt from streams
- Planting of native trees and shrubs in a variety of locations:
 - hedgerows to reduce agricultural erosion caused by wind and water
 - buffer zones between streams and fields
 - residential areas
 - shorelines that are vulnerable to coastal erosion
- Education and outreach events involving children of various ages, and adults.
- Data entry of field and laboratory results
- Compile a final report on all the activities undertaken as part of this project for use by the organization
- Assist Watershed Coordinator with additional documentation and data entry as needed.

Qualifications

Essential Qualifications

- **MUST** meet the conditions of the Clean Tech Internship program:
 - No more than 30 years of age at start of internship
 - Have graduated within the past 3 years from post-secondary program in science, technology, engineering or mathematics (STEM) – college or university level
 - Available to work full time for the duration of the internship
 - See full list on <https://cleantech.collegesinstitutes.ca/interns/>
- Ability to handle physical tasks such as walking for extended periods in various outdoor habitats (fields, woods, streams, etc.).
- Field data collection experience.

Asset Qualifications

- Experience with GPS data collection and analysis
- Knowledge of agricultural practices on PEI
- Resident of the watershed area

Work Term

32 weeks starting approximately May 1, 2017.

Hours of work

40 hours per week, with some variation depending on weather conditions and specific projects. Start times are generally 7am or 8am (with earlier start times during hottest time of summer), and end times at 3:30 or 4:30. Work is generally completed Monday to Friday, but depending on specific projects, occasional weekend work may be required.

Salary

\$15/hour

Removal from position

The intern's employment may be terminated without cause during the six-month probation period, and may be terminated with cause in accordance with the provisions of the *Employment Standards Act*.

Other

- Must provide own transportation, mileage will be paid for travel between work sites. Employee is responsible for mileage costs to reach the first place of work for the day.
- Provide own clothing and footwear appropriate for field work
- Waders and personal protective equipment will be provided for use during field activities.

To Apply

Please forward resume, references, and cover letter to Sarah Wheatley at info@WinterTracadie.ca or 630 Suffolk Road, Dunstaffnage PE, C1C 0P6

Applications will be considered until April 19, or until a suitable candidate is found.