



Bay of Quinte Algae Watch Project Leader

10 Month Contract

Quinte Conservation has received funding from the Ontario Drinking Water Stewardship Special Projects Fund to better understand the issue of harmful algae blooms and potential risks to drinking water and recreational areas in the Bay of Quinte. We require a responsible, self-motivated, results oriented individual with leadership skills to carryout the following:

- Under the supervision of the Surface Water Specialist in our Drinking Water Source Protection department, will
- Coordinate the planning and delivery of the Algae Watch and Blue-green Algae Monitoring Pilot Project for the Bay of Quinte;
- Ensure an integrated, science-based, multi-disciplinary approach to project planning, design and implementation;
- Supervisor to an assistant and liaison to partnering agencies;
- Conduct water quality monitoring, data analysis and interpretation;
- Promote public outreach and stewardship.

ELIGIBILITY REQUIREMENTS

- University degree or College diploma in Environmental Sciences related program or equivalent;
- Minimum 3 years experience related to major tasks, including i) direct field experience involving water quality sampling in lakes and other surface waters (e.g. beaches and streams); ii) project planning and implementation; iii) public outreach;
- Knowledge of environmental management principles and ecology and their application to water quality monitoring project design;
- Knowledge of mechanisms causing algal blooms, cyanobacteria toxin production and ecosystem / socioeconomic risk, and associated factors in surface waters;
- Experience in supervising staff and project management
- Experience in working with the general public;
- Ability to manage volunteers;
- Ability to analyse, interpret and report on environmental quality data;
- Excellent oral and written communication skills, and technical writing skills;
- Excellent organization skills and record keeping skills;
- Computer word processing, database and spreadsheet literacy;
- Valid class "G" Ontario Drivers License required;
- Valid Pleasure Craft Operator Card to operate a power boat
- Experience with algae identification would be an asset;

SUMMARY OF MAJOR TASKS

Perform the following tasks under limited supervision:

- a. Implement and coordinate (with input from senior technical staff and others) the Algae Watch and Blue-green Algae Monitoring pilot project in the Bay of Quinte;
- b. Provide environmental project management (with input from senior technical staff) including overall project design and work-plan development, budget management, and public outreach;
- c. Coordinate multi-disciplinary integration of initiatives among Conservation Authority staff and partnering agencies;
- d. Be a liaison among municipal, provincial and federal government representatives promoting integrated multi-disciplinary water quality monitoring programs;
- e. Work with Conservation Authority staff and partnering agencies to develop recommendations for a long-term harmful algae bloom monitoring program for the Bay of Quinte;



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- f. Ensure a safe working environment for staff in the field with occupational health and safety as a key responsibility;
- g. Conduct field equipment and materials purchasing, operating and maintenance;
- h. Conduct and organize targeted field sampling as described in k) below, in coordination with partnering agencies; will involve field work and exposure to inclement weather conditions;
- i. Conduct water sample collection, shipment and submission, data analysis and interpretation, technical report writing all of which will contribute to an improved ability to predict and manage the risk of harmful algae blooms, develop linkages between these events and source protection planning, and help understand the potential risks to drinking water and recreational uses;
- j. Conduct background research, review literature and technical studies on the topic of harmful algae blooms and related topics;
- k. Converse with research scientists, municipal drinking water operators, and the general public on the topic of harmful algae blooms,
- l. Engage and educate the general public on risks and stewardship practices;
- m. Provide volunteer management and training;
- n. Other duties as assigned.

JOB DETAILS

Salary at \$19 to \$22/hr

From April 2010 to January 2011 at 35 hours per week.

HOW TO APPLY

Resumes/letters submitted electronically must be submitted in MS Word format or PDF format. We thank all applicants for their interest, however, only those candidates under consideration will be contacted.

Send resume/cover letter marked "Project Leader, Algae Watch Program" by March 19th, 2010 at 4:00 pm local time to:

Julie Munro
Surface Water Specialist
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