

## **Job Description – Clean Leadership 2019 Program**

### **Summary of the Program**

The Clean Leadership program (formerly Nova Scotia Youth Conservation Corps or Youth Corps) was established in 1989 to provide Nova Scotian youth with training and employment opportunities in the environmental field. This program engages community partners across the province to hire students to carry out work in the summer months that fosters environmental stewardship. The Clean Leadership program provides Nova Scotian youth with green sector work experience, an enhanced appreciation of the environment and their community, and develops skills for life-long learning (including team-building and leadership skills, increased knowledge for future employment and/or education ventures, program evaluation techniques, and the ability to give back to their community and their environment.

### **Job Title - Salt Marsh Restoration Technician**

**Wage - \$15.00/hr**

### **Summary of Position**

The community partner for this Summer Student Intern position through the Clean Leadership program will be Saint Mary's University, reporting to Dr. Danika van Proosdij in the Department of Geography and Environmental Studies. In this position, you will be mainly responsible for undertaking field activities and researching the impacts of salt water intrusion at coastal restoration sites. This job includes both field and office work, therefore, the typical work day will vary from indoors researching, writing, and undertaking lab duties to outdoors collecting data, following sampling and monitoring protocols, and conducting habitat and vegetation assessments. A day in the lab could involve processing water samples for suspended sediment concentrations, spending time developing new structures to deploy instruments in the field, or undertaking research. A day in the field could involve participation in Unmanned Aerial Vehicle (UAV) surveys or identifying vegetation species. The successful candidate needs to have an appreciation for healthy ecosystems, an eagerness to work outside in a variety of conditions, and be detail oriented.

### **Community Partner**

We are located at Saint Mary's University, in Halifax NS, working on a federally funded coastal restoration project to undertake managed realignment of dykelands in the Bay of Fundy. Our mandate is to restore coastal areas through nature-based climate change adaptation strategies and to be on the leading edge of research in this field. We are an interdisciplinary team and work to understand the ecological, political, and social elements of coastlines and how to successfully restore these unique landscapes.

### **Duties and Responsibilities**

Work will include, but is not limited to the following:

- Wetland and environmental monitoring;
  - hydrology
  - soils and sediment

- vegetation
- geospatial surveys
- Writing field reports
- Uploading and organizing data
- Assisting with lab operations
- Attending and participating in weekly team meetings and presentations
- Research into the impacts of salt water intrusion at coastal restoration sites
- Assisting with education and public consultation activities, when necessary

### **Requirements/Qualifications**

*These are the qualifications that are necessary for someone to be considered for the position.*

- Able to carry-out field work (i.e. navigate rough terrain, endure moderate physical effort and exposure to elements (e.g. rain, cold), occasional flexibility to work outside normal office hours;
- Ability to work both independently and as part of a team;
- Proven ability to problem solve and to take initiative to complete tasks;
- Must be adaptable within a changing work environment;
- Capable of learning new skills; particularly in data analysis, and field methods;
- Ability to troubleshoot unexpected problems and develop innovative solutions;
- Capable of thinking analytically;
- Knowledge of terrestrial/marine environment, vegetation and wildlife characteristics of Nova Scotia's coastal habitats, considered an asset
- Experience using a variety of computer applications such as Microsoft Office and Geographic Information Systems (GIS), considered an asset;
- Must be a Canadian citizen or legally entitled to work in Canada;
- Must be between the ages of 15 and 30;
- Must be a full-time student and intending to return to school in fall 2019;
- Is not a member of immediate family of community partner;
- Have an aptitude for safe work practices and the ability to multi-task in a busy work environment;
- Be able to work productively as part of a team while responding to feedback;
- Demonstrated interest in future employment in the environmental or 'green' sector is considered an asset;
- Have a valid Nova Scotia driver's license;

### **Working Conditions**

Work will occur outdoors in a variety of conditions which could include cold or hot temperatures, rain, wind, and other inclement weather.

### **Physical Requirements**

The position requires a candidate who is able to undertake strenuous activities, work long hours in the field, and must be able to carry ~50 lbs.