



Job Description – Environmental Technician

Organization	Bruce Peninsula Biosphere Association
Rate of Pay	\$20.00 - \$25.00
Hours per Week	Full-time (37.5hrs/week)
Positions Available	2
Contract	4-8 months
Start Date	Spring 2026 pending funding

The **Bruce Peninsula Biosphere Association's** Six Streams Water Quality Initiative has been ongoing for 13 years, and programming aims to protect, conserve, and restore the Saugeen Bruce Peninsula's natural environment. The Six Streams Program aims to increase understanding of the karst hydrological system on the Northern Bruce Peninsula (NBP), and improve the quality of surface waters, sustaining our natural water systems for the benefit of human and ecological communities on the NBP. The program fosters community involvement in water quality initiatives, climate change action, and environmental monitoring and restoration. See more information here: [Water Quality - Bruce Peninsula Biosphere Association](#).

Position Summary

The **Environmental Technician (ET)** will support the Bruce Peninsula Biosphere Association's water quality initiatives through a variety of restoration, conservation, and community-based initiatives on the Saugeen Bruce Peninsula. The role blends hands-on field science with modern digital tools, to support data organization, reporting, and communication of conservation work. The ET will participate in environmental and educational training courses and professional development opportunities, including the Canadian Aquatic Biomonitoring Network (CABIN) training, mapping software, and database use.

Key Responsibilities

Fieldwork & Environmental Monitoring

- Monitoring water quality through regular sampling along inland streams, wetlands, and coastal regions of the Saugeen Bruce Peninsula;
- Set up, maintain and operate water quality monitoring technology and equipment.
- Collect and analyze water quality data from the field to identify trends and potential problems.
- Participate in restoration efforts at the Eastnor Swamp, South Bruce Peninsula, including planting of native trees, shrubs, and perennial species, invasive species removal, and habitat enhancements.

Data Management & Reporting

- Participate in implementing technology for scientific data collection, analysis, and sharing, including:
 - Organizing workshop on the use of drones for environmental data collection;
 - Applying mapping and statistical software for environmental data analysis;
 - Supporting online resource and data sharing through open-access databases
- Contribute to report writing and other communication activities.
- Enter field data into spreadsheets or databases and ensure accuracy.
- Organize and label environmental photos, samples, and digital files.
- Prepare simple maps, charts, summaries, or visuals for reports and presentations.
- Support creation of outreach materials (e.g., infographics, field updates, volunteer instructions) based on collected data.

Community Engagement & Outreach

- Assisting in the continuing development and maintenance of a community-based science program for data collection, scientific training, and educational workshops;
- Collaborate with the communities of Barrow Bay and around Stokes Bay to strengthen the coastal community-based science program.
- Organize community meetings and workshops to facilitate data sharing, scientific training, and public discussions of conservation on the Saugeen Bruce Peninsula.
- Assist with public field days, youth programs, and volunteer events including planning, preparation, volunteer recruitment, and delivery.
- Support planning for the bi-annual Bruce Peninsula Environmental Network meeting for Fall 2026

Skills and Qualifications

- Completed or underway post-secondary degree/diploma in environmental sciences, biology, geography, or a related field
- Field work experience is an asset
- Standard first-aid/Wilderness first-aid and CPR level C certification is considered an asset (training may be possible)
- Valid class G driver's license and access to a reliable vehicle
- Strong attention to detail
- Strong data analysis & interpretation skills
- Proficiency in field sampling procedures and equipment handling
- Excellent communication and report writing skills
- Ability to engage others through presentations and workshops
- Ability to work independently and as part of a team
- Problem solving and critical thinking
- Physical ability to work outdoors in various weather conditions

Working Conditions

- This position is located on the Saugeen Bruce Peninsula

- This position requires travel to different locations on the Saugeen Bruce Peninsula, applicants must have their own vehicle.
- Primarily outdoor fieldwork with some office or remote tasks (data management, communications).
- Activities may involve hiking, carrying equipment, and working in natural terrain.
- All safety training, field protocols provided.

Learning Opportunities

- Hands-on experience in ecological monitoring and restoration.
- Training in environmental sampling, equipment use, data management, and field safety.
- Exposure to conservation projects, community programming, and local environmental issues.
- Mentorship from BPBA staff in environmental science, field operations, communication, and technology integration.

Requirements

This position is available pending funding from ECO Canada and/or Canada Summer Jobs.

Therefore to apply for this position, you must

- Be between 15 and 30 years of age at the start of the job
- Have a valid social insurance number
- Be a Canadian citizen, permanent resident, or person to whom refugee protection has been conferred under the Immigration and Refugee Protection Act for the duration of the employment
- Some positions require post-secondary accomplishments (please submit your application even if you don't have this qualification)
- Not an existing full-time permanent employee
- Note: International students are not eligible participants.

How to Apply

If this opportunity excites you, we'd love to hear from you. Please submit your resume and a brief cover letter by emailing info@BPBA.ca. Tell us what interests you about the role and how your experience aligns.

Our Commitment to Inclusion

We believe diverse teams make stronger organizations. We welcome applications from people of all backgrounds, identities, and experiences. If you require accommodations at any stage of the hiring process, please let us know — we are committed to ensuring an accessible and equitable experience for all candidates.