

# GIS Technician

Full-Time, 12-month contract with potential to become permanent

NSE is currently looking for an early career individual to join our team as a Geographic Information Systems (GIS) Technician. The successful candidate will have a good foundation in GIS (analysis and cartography) through education (in-process, or complete) and/or work experience. Knowledge of ecology and natural heritage through education or work experience is considered an asset. An interest and willingness to learn about ecology and natural heritage is required as this is foundational to our work.

This role will report directly to our GIS Specialist(s) and will have direct and regular interaction with our team of ecologists and project managers. In this position, the candidate will work with other team members to deliver projects by participating in a range of project tasks, including analysis of geospatial datasets, data entry and management, production of high-quality mapping / cartographic products, and background data collection and review. The role will be office-based (GIS and other computer related tasks) with the potential opportunity for occasional participation in field work, based on interest of the successful candidate.

**This position is ideal for** someone early in their career and interested in working in environmental consulting environment as a GIS Technician / Specialist. You will have the opportunity to learn about and apply ecological and natural heritage information to support a range of projects from impact assessment to urban tree canopy studies.

NSE is a well-established, specialized ecological, natural heritage and environmental planning consulting firm with a strong reputation within the ecological consulting industry. NSE provides high quality services to public and private sector clients, and to a lesser extent NGOs, on a wide array of environmental projects. NSE is actively growing our GIS service area, and we are excited to be adding this position to support our growing body of work in support of our vision and mission.

NSE's vision is a sustainable and healthy natural environment for all. This vision informs all of what we do; we strive to embody this vision in our work, our decision-making and how we operate as a business. Our mission flows from this vision: to create sustainable solutions for natural systems. This is foundational to our work. We strive to 'do good' and move the needle forward across industries by working with our clients, industry colleagues and through internal efforts. In this role you will have an opportunity to be part of this vision and shape our path through relationship building and business development, project management and senior project leadership, mentorship, leading internal initiatives and being a key participant in innovation and opportunities for the business.

## RESPONSIBILITIES AND DUTIES

- Work with geospatial data using the ESRI and QGIS platforms.
- Manage field and project data collected digitally in-field by our team of ecologists through Fieldmaps and ArcGIS Online.
- Manage and work with a broad range of internally and externally generated datasets and ensure data integrity and appropriate data usage.
- Assist in the creation, generation, editing/digitizing and maintenance of geospatial data for a range of project applications.
- Analyze geospatial data to produce high quality outputs such as mapping for reports and presentations.
- Undertake background data collection and review, including assisting with database management and GIS system administrative tasks.
- Contribute to high quality reports, formatting of reports, and other project deliverables on time and within budget.
- Attend project meetings and support other staff as needed.

## QUALIFICATIONS, ATTRIBUTES and EXPERIENCE

### Core Requirements

- Degree or diploma in Geographic Information Systems, Environmental Studies, Ecology, Geography, Geomatics, Planning or a related field.
- Education in and/or work experience with GIS.

### Demonstrated knowledge and experience in:

- Interpreting and analysing geospatial datasets and producing high quality mapping
- Understanding of core principles for geospatial data (projections, data management best practices, georeferencing, digitizing, etc.)
- Working with ESRI products (ArcGIS Pro, ArcGIS Online, ArcGIS Field Maps, Survey 123, etc.)
- Working with QGIS is considered an asset
- Cartography
- Spatial analysis
- Interpreting geospatial data. Specific experience in using and interpreting ecological datasets is an asset
- Interest in, and basic knowledge of ecological principles and ecological surveys. Experience conducting surveys or using standard ecological protocols is considered an asset

### Characteristics of a strong candidate:

- Good design sensibility (cartographic)
- Highly organized
- Detail oriented
- Strong problem-solving and trouble-shooting skills
- Resilient and flexible within a work environment with changing priorities, workload and deadlines
- Good verbal and written communication
- Interest in ecology / natural heritage and/or desire to learn about these areas

## REMUNERATION

Pay range: \$45,000-\$60,000 per annum, commensurate with experience based on a standard 37.5 hour work week.

In addition to base salary, NSE offers the following:

- Competitive vacation offerings
- Annual professional development - up to 37.5 hours and financial support for approved professional development activities
- Employee Recognition Program
- Potential for bonusing - NSE has an annual bonus program based on company and individual performance
- Employer-paid Extended Health Benefits (eligible upon transition to permanent)

## LOCATION

NSE's office is in Cambridge, ON. This role will be based out of the office full time. Infrequent remote work (e.g., from home) may be accommodated where technical requirements for completing specific assigned tasks or duties allow.

Accommodation for persons with disabilities can be made where the accommodation(s) allows for fulfillment of the duties and responsibilities outlined herein.

## HOW TO APPLY

Interested individuals are encouraged to submit a resume and covering letter to: Erin Reibel, Office Administrator [ereibel@nsenvironmental.com](mailto:ereibel@nsenvironmental.com).

We welcome and encourage applications from people with disabilities, consistent with being able to fulfill the duties of the position. Accommodations are available on request for candidates taking part in all aspects of the selection process.

## WANT TO LEARN MORE ABOUT NSE?

Follow us on LinkedIn and check out our website for more information about us, our projects and our team. Please feel free to connect!

[www.nsenvironmental.com](http://www.nsenvironmental.com)