

JOB POSTING

GIS Analyst Position

Reports to: Lands Director

Job Duration: Full-time

Job Description and Purpose: As a GIS Analyst with Tahltan Central Government, you will work with the Lands, Wildlife, Fisheries, and Culture and Heritage Departments to provide spatial analysis, mapping, and data management in a coordinated manner for all departments.

In addition, you will provide spatial analysis support for Tahltan Nation initiatives such as the Tahltan Stewardship Initiative, Tahltan Protected and Conserved Areas Project, Land Use Planning, and regulatory reviews on major projects in the territory.

For this position, the TSI activities which requires technical assistance includes:

- Phase 1 Land Use Plan (LUP) with the Government of British Columbia;
- Engaged and informed membership;
- Steering Committee Technical and Administrative Support;
- Specific Lands, Wildlife, Fisheries and Culture and Heritage Departments projects and programs;
- Guardian Program Projects;
- Indigenous Protected and Conserved Areas candidate areas and program delivery; and
- Other duties.

Duties and Responsibilities:

Duties and responsibilities include, but are not limited to, the following:

- Build and maintain GIS databases, and use GIS software to analyze the spatial and non-spatial information for all departments and initiatives.
- Establish and maintain online data management systems for field collection using apps, digital equipment, uploading field information into an online or cloud spatial and non-spatial data management system.

- Support delivery and maintenance cloud spatial platforms for Tahltan Central Government initiatives.
- Establish and maintain data management standards for spatial data, data collection, and monitoring components for departmental programs.
- Analyze GIS data to identify spatial relationships or display the results of analyses; review GIS data for currency and accuracy; document the parameters and context of GIS data; perform geospatial modeling or spatial analysis; and create thematic maps for environmental and educational purposes.
- Analyze data and create maps for various internal and external reports and presentations.
- Spatial mapping and analysis support across departmental programs.
- Capacity, training, and access to GIS software for department personnel.
- A standardized structure and process for field data collection and uploading of information into digital databases with quality control standards.
- Consistencies on equipment, digital data standards, and data management across departmental programs.
- Working with departmental contractors to support ongoing projects including TSI and departmental projects.
- In-person and online technical support to TCG personnel.

Qualifications and Requirements:

Education

- Degree or Diploma in Environmental Science, Biology, Engineering, Applied GIS, Geography, Land Use Planning, or directly related discipline.

Knowledge and Experience

- 2-5 years of GIS experience with gis software such as:
 - the ESRI suite of software such as Desktop: ArcMap, ArcCatalog, Online: ArcGIS Online, Web App Builder Apps: Collector for ArcGIS, Explorer, Survey123.
 - QGIS and GRASS open source software and other open source software
- Metadata creation, data management of geodatabases
- Basic cartography
- Familiarity with vector, raster, and satellite imagery
- Familiarity with MODIS, Landsat, other satellite imagery products
- Familiarity with QA/QC experience
- Experience with Python
- A working knowledge of government and environmental data in British Columbia provincial datasets.

- Demonstrated cartographic, data management and analytical skills. Knowledge of topology, projections, and cartographic principles.
- Experience with mobile data collection process, and management.
- Experience creating, publishing, and managing map services.
- Display attributes of a strong team player, eagerness to learn and grow, self-starter that takes initiative, versatile.

Working Conditions:

The employment will be with the Tahltan Central Government with the location of employment to be determined with the successful candidate. Travel will be dependent on provincial and Tahltan Nation covid-19 requirements, travel is a requirement with the position. However, there is a focus to conduct more TCG business by digital methods.

Remuneration and Work Hours:

- Salary will be competitive and negotiable.
- Work hours will be 9 am to 5 pm, Monday to Friday; however, it is the nature of the position to work flexible hours and beyond regular office hours as well as weekends. Travelling will be required. If the successful applicant is not based where there exists a TCG office, the applicant will be expected to work remotely.

Work location: It is preferred that the position be based in Tahltan Territory; however, applicants in the Lower Mainland are encouraged to apply.

How to apply: Please email your resume and cover letter stating, 'why you're the perfect candidate,' in PDF file format to communicationsdirector@tahtlan.org, with subject as **"GIS Technician" Application, Attention Lands Director**

Deadline for Application: November 21, 2020

(Note: We reserve the right to hire sooner than the deadline if we secure a qualified candidate).