

## GIS Analyst

The GIS Analyst will support Nupqu's GIS and RPAS operations, with a strong focus on GIS analysis, mapping, spatial data management, drone mission planning, and RPAS data processing. This role requires solid GIS technical skills and practical drone experience, including the ability to plan safe and compliant RPAS operations in accordance with Transport Canada regulations and Nupqu's internal safety procedures.

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### Key Responsibilities:

#### GIS & Spatial Data

Prepare professional maps and spatial products for a variety of projects.  
Manage, organize, and maintain spatial datasets, geodatabases, and project files.  
Perform GIS analysis including overlays, buffers, routing, terrain analysis, and spatial classification.  
Support ArcGIS Online, web maps, Survey123, QuickCapture, and mobile GIS workflows.  
Conduct QA/QC on spatial data and mapping deliverables.  
Support the development and improvement of GIS standards and workflows.

#### RPAS / Drone Operations

Plan and support RPAS missions, including flight planning, site assessments, airspace reviews, weather evaluations, hazard identification, and operational risk assessments.  
Ensure RPAS operations comply with Transport Canada regulations and Nupqu's internal safety procedures, SOPs, and Emergency Response Procedures.  
Prepare flight plans considering terrain, weather, airspace restrictions, battery management, emergency landing areas, crew roles, and project objectives.  
Operate RPAS where qualified and support field operations as Pilot or RPAS crew member.  
Complete pre-flight and post-flight inspections, equipment preparation, flight logs, and operational documentation.  
Process RPAS data into orthomosaics, DEMs, DSMs, point clouds, 3D models, and other mapping products.  
Maintain RPAS equipment, payloads, batteries, GNSS/RTK equipment, and associated records.

### Required Qualifications

Diploma or Bachelor's degree in GIS, Geomatics, Geography, Remote Sensing, Environmental Science, or a related discipline.  
Experience using ArcGIS Pro and ArcGIS Online.  
Valid Transport Canada Basic RPAS Pilot Certificate.

### Preferred Qualifications

Transport Canada Advanced RPAS Pilot Certificate.



Restricted Operator Certificate – Aeronautical (ROC-A).  
Experience operating RPAS for commercial or professional applications.  
Experience planning and executing RPAS flight missions.  
Experience processing RGB and LiDAR datasets.  
Experience with LiDAR analysis and point cloud processing.  
Experience with Python scripting or GIS automation.

### **Working Conditions**

Combination of office-based GIS work and field-based RPAS operations.  
Field work may involve remote locations, uneven terrain, and varying weather conditions.  
Occasional travel within British Columbia may be required.  
Ability to lift and carry field and RPAS equipment as required.

**Department:** GIS

**Reports to:** GIS Manager

**Employment Type:** Full-Time, Permanent

**Location:** Castlegar, BC, Canada

**Salary:** \$65,000 - \$70,000

Please submit your cover letter and resume marked “GIS Analyst – Confidential” to Human Resources at: [hr@nupqu.com](mailto:hr@nupqu.com)

*As we strive to provide employment opportunities, we encourage Ktunaxa citizens and other Indigenous peoples to identify themselves in their application.*

