



THE LORRNEL GROUP  
1915 – 11<sup>TH</sup> ST SE  
CALGARY, AB T2G 3G5  
OFFICE: 403.233.0900  
FAX: 403.265.3874

## Senior GIS Analyst (Forestry)

**THE LORRNEL GROUP (TLG)** has an immediate opening for an experienced **Senior GIS Analyst** to join our team. TLG is a privately owned, small-medium size consulting firm with approximately 20 employees. We provide a wide range of project management and technical consulting services to the Forestry, Energy, and Municipal sectors. We take pride in delivering client-driven solutions for over 35 years.

### At TLG:

- **People come first** – We create trust and connection within our team, our clients, and our communities by putting people first;
- **We seek to learn** – We thrive on the continuous pursuit of personal and professional growth;
- **Diversity is our greatest strength** - We are diverse. We embrace new and different perspectives to encourage unique solutions, representative of the depth of our team;
- **We are reliable** - Our clients can rely upon our team, our teams rely upon each other;

### The Opportunity:

As part of Lorrnel's well established GIS & Geomatics division, your primary role is to serve as a senior GIS Analysts in our Operational Harvest Planning team. You will work closely with the Forestry and Leadership Team to support this service offering and future strategic directions. Given the on-demand nature of the forest harvest operations, it is expected that the GIS Analyst is able to participate in evening team meetings, is available (on call) for rush requests and is able to provide continuous support on the active projects. At TLG we promote and support continuing education through training and participation in webinars or conferences. We expect our employees to share gained knowledge with the team. The ideal candidate will be willing and able to travel, sometimes on weekends.

Your key responsibilities will be to:

- Support the development and utilization of a QAQC system to ensure consistently high quality of spatial and tabular project data.
- Participate in preparation, development (design) and quality control of harvest plans ensuring they are in line with the client(s) standards for GIS data and map products, industry requirements, and the company data management and map standards.



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- Coordinating the work with the project operating planning team to accomplish the project objectives in alignment with project deadlines.
- Mapping and data support for the operational planning team, layout field crew, and client(s) throughout the duration of the project.
- Maintain and improve harvest planning data governance standards.
- Correct field layout data errors and provide feedback to field crews on those errors.
- Provide technical support to project field data collection process and troubleshooting.
- Using ESRI suite for field data collection, create and maintain offline field data collection tools.
- Field data collection applications and equipment management, including Trimble handhelds, GNSS receiver, Pathfinder, ESRI suite for field data collection.
- Develop and maintain web applications and dashboards for effective data visualization and analysis in ArcGIS Online environment.
- Scripting and automation of tasks using Python (ArcPy), and ArcGIS API for Python.
- Evaluate new data standards, map products, or GIS procedures for Forestry applications.
- Enhancing project workflow quality.
- Mentoring and training new staff.
- Technical process development and implementation.
- Manage and report on assigned tasks and duties in accordance with the project process.

### **Why TLG?**

- TLG is a family-owned private company that has maintained a strong, community-based working environment for over 30 years;
- We are a company that prides itself on our employee engagement and retention;
- Our culture is diverse and inclusive;
- Outstanding career opportunities - we are growing and pushing ourselves to do better than we did yesterday for ourselves and our team;
- We are open to your ideas and trying new things;
- We have a flexible, adaptable (and often remote!) working environment;
- We are situated in a state-of-the-art, open plan office facility that is in the trendy community of Ramsay/Inglewood - The heart of Calgary's beer and coffee district!

### **We'd love to hear from you if you have:**

- The desire to work collaboratively within a high paced, dynamic work environment with like-minded professionals;

- The ability to follow guidance documentation and perform tasks under minimal supervision;
- Demonstrated knowledge of ArcGIS (Pro & Online), spatial data and statistical analysis, database management and cartography principles;
- Extensive data management experience: data standardization, transformation, and processing, working with different database types (spatial, non-spatial, RDMBS);
- The ability to effectively communicate in writing and verbally with different audiences: client(s), supervisor(s), field crew, and other staff;
- An undergraduate degree or another equivalent qualification in GIS, Forestry, Geography, or a related field;
- Minimum 5 years of experience or equivalent combination of experience and education.
- A growth mindset geared toward active learning and continuous improvement;
- Strong attention to detail;
- The ability to prioritize, organize simultaneous requests and meet deadlines;
- Ability to communicate effectively (oral / written) in English;
- Valid driver's license;

**Additionally, the following qualifications are considered an asset but not essential for selection:**

- Experience in Operational Forest Harvest Planning;
- Experience in raster management and analysis of remotely sensed imagery;
- Knowledge of Python (ArcPy, ArcGIS API for Python), SQL Arcade for ArcGIS;
- Knowledge of HTML and JavaScript;
- Experience with Open Source geospatial projects as developer and user
- Experience programming in C++, R, Python, JavaScript
- Experience developing and using geospatial data management technologies such as: ESRI ArcGIS Portal or PostgreSQL/PostGIS
- Knowledge of Relational Data Bases (including design, optimization, managing spatial & aspatial data, and SQL transactions)  
Knowledge of best practices and standards from the Open Geospatial Consortium

**Compensation**

- Competitive Salary
- Group Life Benefits
- Health & Activity Living Spending Account
- Professional Development Allowance
- Remote work options and camp/shift options also available



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Compensation packages will be determined based on the candidate's experience, education, and overall suitability for the position.

### **Employment Type**

Permanent / Full-time

### **How to Apply**

All applicants should provide the following documents in **PDF** format.

- 1) **1-2 Page Resume** - Resume should include only relevant work experience, professional profile (goals and interests section), , dates, relevant responsibilities, achievements; education.
- 2) **1 Page Cover Letter** – Cover Letter should not repeat your resume's contents and should speak to your fit for this role.

TLG welcomes and encourages applications from people with disabilities. Accommodations are available on request for candidates taking part in all aspects of the selection process. TLG is committed to the principles of employment equity.

Only the candidates selected will be contacted.

Please email resume and coverletter to:

[info@lorrnell.com](mailto:info@lorrnell.com)

re: Sr GIS Analyst (Forestry)