

Title: Geospatial Data Analyst
Salary: \$75,000 – 95,000/yr
Location: Okanagan (Vernon or Kelowna)

Job Description:

Does manipulation and analysis of raster and vector datasets really get you going? How about Geo AI, programming, and working in the natural resource sector? If these are your passions, then this is the job for you!

Cabin Resources Management Ltd. has built a foundation of experience and dedication to quality and innovative solutions in four main divisions: forestry, wildfire, heritage and geospatial. We are currently looking to add a **Geospatial Data Analyst** to our company.

Responsibilities:

As a Geospatial Data Analyst, you will be responsible for the following:

- Development, deployment and maintenance of analytical geospatial tools and models for the Forestry and Wildfire Divisions.
- Conducting analysis in support of Forestry and Wildfire Planning projects, leveraging remote sensing data including satellite, LiDAR and drone acquired data.
- Lead GIS analysis projects from conception to completion including defining project scopes, timelines, and deliverables.
- Work with forestry and wildfire planners, and other divisional managers to develop geospatial solutions and workflows.
- Preparing, writing and presenting report recommendations and resultant outputs to technical and non-technical audiences.

What Required Skills You'll Bring:

- Degree or diploma in Geographic Information Systems, Computer Science or an equivalent combination of education and experience.
- 2-5 years' experience working within the natural resource sector in British Columbia.
- Domain knowledge of forestry: understanding of forest management and forest ecology at the landscape-level; ability to interpret and represent forest policy and management guidance in spatial and quantitative analysis.
- Demonstrated proficiency in programming languages such as Python, SQL, R, Arcade, ArcPy, JavaScript, HTM, including a strong ability to troubleshoot scripts, debug code, and diagnose errors in complex geospatial models.
- Strong ability to work effectively independently and with multidisciplinary teams throughout the company.
- Strong working knowledge of Git workflows (branching, merging, resolving conflicts, and rebasing) in a collaborative team environment.
- Ability to produce descriptive statistics from tabular data sets; training and evaluation of regression models, clustering and segmentation.

- Organizational skills related to data archiving, change tracking, structure, and other data management standards.

What Desired Skills You'll Bring:

- Domain knowledge of wildfire planning, prevention, and modelling: understanding of wildfire behavior and analysis, wildfire fuel types, community and landscape level wildfire planning (wildfire operations for suppression and tactical planning).
- Experience with wildfire exposure, vulnerability, and burn probability simulators including Prometheus, Cell2Fire, BurnP3+.
- Experience in developing, training, and validating ML/DL models to predict wildfire behavior, probability, and risk mapping by integrating climate data, historical fire perimeters, and real-time weather feeds.
- And finally, because we know we are asking a lot, we would like to see the following skills: solutions-oriented mindset, honesty and authenticity (even when times are tough), ability to tackle difficult problems, creative thinking, problem solving and someone who really, really likes being on a cool team.
- Current registrant or registrant in training as an FIT, RFT, RPF, PAg, AAg.

What we offer:

- A positive, dynamic and inclusive work environment for everyone
- Wage and biannual profit share based on experience, competency and length of service
- Training and professional development allowance
- Extended medical and dental benefits
- RRSP contributions after one year of service
- Flexible holidays and 20 cm snow rule for winter shredding

Cabin is committed to 2SLGBTQIA+ inclusion in the workplace by creating a diverse and inclusive work environment for everyone. Cabin is also proud to provide professional services which support the rights and title of First Nations and be active partners in reconciliation in all our work.

Whether you are looking for a full-time career or a seasonal position, apply today, or contact our HR Coordinator at hello@cabinworks.ca for more information.

We thank all candidates for their interest; however, only those selected for an interview will be contacted.