

Resource Analyst



About Meristem

Meristem Insights is a company focused on providing intelligent decision and management support across the natural resources sector. A meristem is undifferentiated plant tissue that can produce new parts of the plant. It can become any type of plant tissue: leaf, stem, flower, petal, etc. Like a meristem, we are ready to grow and adapt to the circumstances presented to us. We pledge to help our clients grow and provide them what they need to adapt to their ever-evolving circumstances.

Position Overview

We are seeking experienced and innovative Intermediate and Senior Resource Analysts to join our team. As a Resource Analyst, you will use a wide range of software and communication tools to support our clients' strategic natural resource management decisions. Examples of projects you may be involved in include long term harvest planning, timberland valuation, co-optimization of resource values (e.g., carbon and timber, balancing ESG objectives), corporate and land base carbon inventories, and development of forest carbon offset projects.

You will contribute to developing and integrating new technology into our analysis workflows, mentoring junior team members, and supporting growth of our client base and service offerings. The mix of these roles will be tailored to the interests and skill set of each Resource Analyst.

Responsibilities:

1. **Forest Estate Modeling:** Build Forest Estate Models to support a wide range of analysis projects, including Timber Supply Review, timberland valuation, carbon project development, management of existing tenures, etc. You will use industry standard modeling software including Patchworks and/or Woodstock, in addition to other tools from time to time.
2. **Carbon Modeling:** Use industry standard modeling tools (e.g., CBM-CFS3, GCBM), allometric equations, remote sensing data, and field plots to integrate carbon inventory and projections into forest management decision-making.
3. **Growth and Yield Modeling:** Develop growth and yield projections, by species. Merchandize GY projections, based on industry-standard or client-provided product specifications. Integrate field data and remotely sensed products to improve GY predictions.

4. **Cumulative Effects Analysis:** Support regional decision-making processes by integrating a wide range of land base values and management objectives into a single landscape projection and reporting analysis framework.
5. **Script development and application:** Develop and implement scripting tools to automate and document common workflows.
6. **Reporting and Communication:** Produce written reports describing methodology and results, including interpretation of results relative to client objectives, based on your professional experience and judgement.
7. **Process and Tool Development:** Contribute to development of a standardized set of tools and processes for delivering timber supply analysis products.

Qualifications:

- Bachelor's or Master's degree in Forestry, Environmental Science, Geography, Natural Resource Management, or a related field.
- A BC Registered Professional Forester (RPF) or be eligible for registration as an RPF with the Association of BC Forest Professionals (ABCFP).
- Minimum of 5 years' experience in forestry data management and analysis.
- Experience working with Patchworks, Woodstock, and/or other industry-standard forest estate modeling tools.
- Experience working with TIPSYP, VDYP, FVS, FPS, and/or other industry-standard growth and yield modeling tools.
- Experience with CBM-CFS3, GCBM, and/or other forest carbon modeling tools is an asset.
- Experience developing scripted workflows using Python, R, and SQL. Exposure to GitHub for code management, version tracking, and collaboration is an asset.
- Proficiency using GIS software and/or other spatial analysis tools.
- Strong analytical skills and ability to interpret complex data sets.
- Knowledge of forestry practices, forest inventory techniques, and forest management principles.
- Familiarity with environmental regulations and sustainable forestry standards and legislation.
- Excellent communication and presentation skills.
- Ability to work independently and as part of a team, managing multiple tasks and meeting deadlines.

Working at Meristem Insights

At Meristem Insights we provide a challenging and rewarding work environment, focussed on building a strong and dedicated team of natural resource professionals. We are a growing company, with the view that we succeed through the success of our team. As such, we will support your professional growth and provide opportunities for advancement, based on your individual interests and strengths.

You will receive a competitive salary consistent with your experience and expertise, with room for advancement as you succeed in your role and continue to take on new responsibilities. We provide a full benefits package and flexible work environment that allows our team members to excel in their professional life, while accommodating their personal life.

Application

Please submit a resume and cover letter to Jay Greenfield at careers@meristeminsights.ca with "Resource Analyst" in the subject line of the email. Meristem Insights is an equal opportunity employer. For any candidates requiring accommodation, please contact our People Department at careers@meristeminsights.ca.

We thank you in advance for your submission. All resumes will be reviewed and only those selected will be contacted.