

Forest Resource Analyst

University of Alberta

ALES RR General

Competition No. - A108449486

Closing Date - Mar 23, 2023

This position is a part of the Association of the Academic Staff of the University of Alberta (AASUA).

In accordance with the Trust/Research Academic Staff Agreement, this position has an approximate appointment of 12 months with the possibility of renewal based on performance and funding availability. This position offers a comprehensive benefits package found at Faculty & Staff Benefits and annual salary range of \$58,210 - \$65,490.

Location - North campus. This role is in person

Working for the University of Alberta

The University of Alberta acknowledges that we are located on Treaty 6 territory, and respects the histories, languages and cultures of First Nations, Metis, Inuit and all First Peoples of Canada, whose presence continues to enrich our vibrant community.

The University of Alberta is teeming with change makers, community builders, and world shapers who lead with purpose each and every day. We are home to more than 40,000 students in 200+ undergraduate and 500+ graduate programs, over 13,000 faculty and staff, 260,000 alumni worldwide and have been recognized as one of Canada's Greenest Employers for over a decade.

Your work will have a meaningful influence on a fascinating cross section of people—from our students and stakeholders, to our renowned researchers and innovators who are quite literally curing diseases, making discoveries and generating solutions that make the world healthier, safer, stronger, and more just.

Department summary:

The Renewable Resources Department is the home of undergraduate and graduate education, research, and knowledge delivery in forestry and forested ecosystems in Alberta and Canada's western boreal forests. Faculty, students, and research staff in the Department benefit from collaborative relationships with provincial and federal government agencies and Alberta's forest industry. We are a campus leader in

addressing complex and intersecting environmental issues centred in forested ecosystems.

Position summary:

Accurately forecasting stand development and response to disturbance in managed forests is essential for sustainability. This is especially true in a time of change in climate, increasing impacts of pests and fire, shifts in social expectations of management, and with rapid increase in available data and advanced technologies. The Forest Resource Analyst is a key member of the team of applied forest science specialists in the Growth & Yield Lab, working to discover, quantify, describe, and explain forest dynamics and forecast tree, stand, and forest response to change. The analyst applies knowledge of forestry, technology, and data science in a dynamic combination to address applied problems in the management of working forests. Supported by the team, the analyst has a leadership role in executing individual projects supported by external partners including forest industry, government, and consulting firms. The position is also responsible for assisting other team members, providing analytical and subject matter expertise and perspective to broaden the reach and impact of applied research in the G&Y Lab.

Duties:

- Forest data collection and curation
- Synthesis of current knowledge from peer and professional literature
- Data summary, analysis, visualization
- Assessing and interpreting the significance of results
- Report writing and knowledge transfer

Minimum Qualifications

- M.F. or M.Sc. in forestry, forest science, or equivalent
- Experience in data collection, curation, analysis, synthesis, or reporting
- Training in applied statistical methods for analysis of data
- Knowledge of forest ecology, silviculture, and growth and yield
- Ability to apply geospatial technologies including GNSS and GIS
- Basic skills in data science using SAS, R, or Python, and a strong commitment to developing skills through employment

- Experience in review and synthesis of peer-reviewed literature
- Full (non-GDL) Class 5 Alberta Driver's License by time of appointment

Qualifications mentioned below are considered to be an asset

- M.Sc. in forest biometrics
- Registration, or eligibility for registration, with the Alberta Association of Forest Management Professionals
- Demonstrated attention to detail and high level of accuracy
- Experience with field data collection in forested ecosystems

Note: Online applications are accepted until midnight Mountain Standard Time of the closing date.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. If suitable Canadian citizens or permanent residents cannot be found, other individuals will be considered. The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Metis and Inuit persons; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas and the University to apply.

To apply, please visit: <https://apptrkr.com/3889224>

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