



**NOTICE:** Effective January 15th the OPS will be posting new job advertisements on the eCareers website daily. New job advertisements will be posted throughout the week, Monday through Friday. Please check the site regularly to see new opportunities available within the OPS.

Please note that the **job alert** function is temporarily unavailable. We are working on correcting the issue, but in the meantime, please check the website regularly for updated job posting details. We will post an updated message on the site when the job alert function is functional again.

## Job Specification

**Position Title:** FORESTER INTERN  
**Job Code:** OPSEU - Forester 1, 13991  
**Job ID:** 19617

### **Purpose of Position:**

Under the general supervision and mentorship of the CNFER Coordinator and the Stand Ecology Research Scientist, to assist in research on forest biomass, productivity and silviculture. Assist with all aspects of field data collection and laboratory analysis; assist with data base development; assist in conducting literature reviews, report writing and related science transfer activities in support of the Forest Management Class E.A. and other research priorities including the forest bioeconomy.

Note: This is an entry level Forester position that will be used for a duration of 40 weeks per year

### **Duties/Responsibilities:**

1. Assisting in a field data collection program by establishing and measuring research plots, by gathering ecological data and collecting field samples according to established designs and sampling standards, maintaining laboratory experiments, sample processing and analyses; calibration of field equipment, technologies and data collection procedures.
2. Assisting in preparing written reports based on analysis of data, relevant literature and expert opinion in support of research priorities.
3. Assisting in assuring data quality by: conducting quality assurance assessments of field sampling activities and completed tally sheets; maintaining accurate field records on conduct of field and laboratory work; deploy, maintain and troubleshoot electronic data capture devices and data storage computers; transferring field collected data from electronic data capture devices to data storage media; ongoing evaluation of data integrity and security and correcting inconsistencies;
4. Assists in planning field measurements, analyzing pertinent data, preparing summary reports of analysis and literature searches which might include tables, graphs, photographs and presentation material;
5. Assisting with the transfer of science knowledge and information and responding to inquiries.
6. Manager has the right to assign additional duties.

### **Working Conditions:**

On an annual basis approximately 50% of time spent in laboratory and office, and 50% in the field. Between May 1st and October 1st more than 70% of time in the field, often on extended trips away from home

The incumbent shall, work in compliance with the Occupational Health and Safety Act and its regulations and any workplace practices as directed by the employer. The incumbent shall ensure that workers take precautions to protect the health and safety of themselves and others by complying with such acts, codes, policy, procedures or accepted workplace practices as may be appropriate. The incumbent shall advise workers of actual and potential dangers in the workplace and take the required precautions.

### **Knowledge:**

Job requires field-based and theoretical knowledge of forest biology, ecology, silviculture, and forest resource management, concepts and practices including proficiency in vegetation identification, soils description and classification, and the use of forest and wetland ecosystem classification and description techniques to assist in the planning and implementation of field and lab studies.

Job requires knowledge of locating, establishing and measuring field plots to conduct a field data program by gathering forest productivity, soils, silviculture and other ecological data and collecting field samples.

Job requires working knowledge of computer usage, Windows operating systems to provide statistical summaries and produce reports using computer software packages (i.e. MSWord, Access, EXCEL, Power Point, PROCITE and data base management and statistical software).

Job requires knowledge of principles and use of GIS for mapping and data/information display.

Job requires knowledge of standards and operating practices for information gathering and storage (e.g. data collection and inventory techniques, data preparation and entry/digitizing) to ensure complete, accurate information is available and secure for subsequent use in the development and validation of forest growth and productivity models, biomass estimates, stand dynamics and succession information and standards related to forest renewal and regeneration.

Job requires knowledge of field equipment operations to perform training, field maintenance, adjustments and repair of equipment such as global Positioning System locators, hand held data computers, laser height finders, vehicles, outboard motors and boats, all-terrain vehicles in accordance with users manuals (e.g. change spark plugs, tires, adjust fuel mix, change snow machine belts) to provide calibration or to return equipment to appropriate formal maintenance location from field operations.

Job requires knowledge of the Occupational Health and Safety Act and its regulations and any workplace practices as directed by the employer to ensure that workers take precautions to protect the health and safety of themselves and others by complying with such acts, codes, policy, procedures or accepted workplace practices as may be appropriate. The incumbent shall advise workers of actual and potential dangers in the workplace and take the required precautions.

**Staffing and Licensing Requirements:**

Valid driver`s license.

Must possess or have the ability to obtain a small watercraft certificate for vessel operation.

**Skills:**

Job requires analytical and problem solving skills to make project-level decisions to determine the nature and extent of deviations from existing data collection standards and protocols and recommend corrective action; review standards, policies and procedural guidelines, acts and regulations to determine the approach to a task or to resolve an issue, or to apply them to program operations in field conditions (e.g. plot locations and buffers); resolve technical problems in operational field situations by gathering/analyzing information on site, determining options, selecting a course of action and documenting position/rationale (e.g. quality assurance inspections in temporary or permanent sample plots; and to deal with issues and problem situations, particularly in remote field situations.

Job requires interpersonal, oral and written communication skills.

Job requires skills in forest research laboratory and field procedures associated with studies conducted in the area of forest ecology to provide technical, laboratory, data management and statistical support and to assist in the planning and implementation of laboratory and field studies.

Job requires planning and coordinating skills to organize, schedule and coordinate human and equipment resources (e.g. boats/motors, pumps, vehicle transportation, aircraft, base camp equipment) for field projects (e.g. establishment or re-measurement of permanent sample plots) with resource agencies involved in natural resources assessment and management.

Job requires ability to undertake physically demanding field work in all types of weather conditions.

**Freedom of Action:**

Job requires situations clearly outside established policies and procedures, program issues to be referred to supervisor and/or program specialists (e.g. issues which will be controversial / sensitive to client groups).

Job requires working within established practices and procedural controls, Ministry and Government policies, legislation, guidelines and directives, when making decisions on project-level procedures such as project data collection.

Work is reviewed for progress and results by supervisor, especially any actions directly related to data quality or required changes to existing data collection procedures.