

Job Class Profile: Forest Ranger I**Pay Level: CG-26 Point Band: 490-533**

Factor	Knowledge	Interpersonal Skills	Physical Effort	Concentration	Complexity	Accountability & Decision Making	Impact	Development and Leadership	Environmental Working Conditions	Total Points
Rating	4	2	4	6	2	2	2	1	5	
Points	187	33	25	29	60	43	41	21	54	493

JOB SUMMARY

The Forest Ranger I performs duties in forestry field work relating to the Insect and Disease data collection throughout the province used to determine insect populations in Newfoundland and Labrador as well as the effectiveness of control programs.

Key and Periodic Activities:

- Participates in branch collecting and tree sampling to determine the severity of the insect population in each designated sample area which involves using pruners and/or chainsaws to cut branches, locating and counting insects.
- Participates in branch collecting and tree sampling to determine the effectiveness of control programs against insect infestations. Counts insects from sample plots.
- Assists in other related duties as required such as preparing laboratory facilities for egg mass survey, field equipment repair, etc.
- Picks up equipment and supplies for the various projects throughout the summer and fall.
- Assists in field map preparation and gathering of field equipment and supplies.

SKILL**Knowledge****General and Specific Knowledge:**

- Knowledge of insect entomology and pathology, lab procedures and data recording.
- General knowledge of the forest industry and program processes.
- Specific knowledge of safety procedures and precautions regarding field work.
- Knowledge of equipment operation, repair and maintenance.
- Knowledge of office software and basic computer skills.

Formal Education and/or Certification(s):

- Minimum: High School Diploma supplemented by a 2-year post secondary Diploma in Forestry Technology and possession of a valid driver's licence.

Years of Experience:

- Minimum: up to a year

Competencies:

- Ability to follow work procedures.
- Ability to operate and repair machinery.
- Basic computer skills.

Interpersonal Skills

- A range of interpersonal skills typically include listening, asking questions and gaining the cooperation of others to complete work.
- Communication occurs with coworkers, senior Conservation Officer/supervisor, employees within the department, employees in government departments, students, municipal government representatives and the general public.
- The most significant interrelationships are with co-workers in the immediate work area to collaborate and cooperate in completing tasks; with senior Conservation Officer/supervisor for instructions, clarification and to report progress; and other employees in the department for cooperation and provide information.

EFFORT

Physical Effort

- The demands of the job regularly result in considerable fatigue, requiring periods of rest and there is a regular requirement for strength and endurance on the job.
- Regularly lifting or moving objects or physically handling materials 10-25 lbs and occasionally lifting materials 25-50 and over 50 lbs. in collecting branches, picking up and storing supplies and equipment.
- Sitting, standing, walking and driving are regularly required for extended periods of time.
- Regularly uses hand tools that require accurate control and steadiness; regularly uses machinery or equipment that requires very controlled movement; regularly uses equipment that requires rapid physical movement and reflexes; and regularly needs to maintain physical balance in using pole pruners to cut branches from trees and operate chainsaws and walk through rugged terrain and forested areas.
- Occasionally needs the use of fine finger or precision work on computer, equipment repair.
- Gross motor skills requiring strength and coordination are a constant requirement moving supplies, carry equipment and branches.

Concentration

- **Visual** concentration are required when operating pole pruners and chainsaws, driving on rough and narrow woods roads, working around helicopters, and counting very small insects.
- **Auditory** concentration is evident when working around noisy equipment such as helicopter and when using chainsaws. Also, awareness/hearing alert to noises of dangerous wildlife such as black bear when out in the woods.
- **Other sensory demands** include strong smell/odours from insect defoliant and the bait used to lure bark beetles.
- There is **repetition** requiring alertness when accurately locating and counting small insects and

cutting branches from upper mid-crown of tree and lowering down to co-worker carefully ensuring that no insects fall off the branch.

- **Higher than normal levels of attentiveness/alertness** is required when working with potentially dangerous equipment such as pole pruners, axe, chainsaws in rugged terrain and in varying weather conditions and working around helicopter.
- **Time pressures and deadlines** are experienced as work needs to be completed in a short time frame based on insect life cycle and weather can delay the completion of field work.
- **Eye/hand coordination** is required when entering data into the computer, using pole pruners to cut high tree branches and collecting insects in trap and handling delicate egg samples.
- **Exact results, accuracy and precision** are required when locating and counting small insects from sample field plots for population estimates and when using aerial photographs and maps required to accurately locate field plots.

Complexity

- Tasks and activities are typically repetitive and well defined or different and related requiring the use of similar skills and knowledge. Occasionally there are different and related and use similar skills and knowledge.
- Problems tend to be straightforward with obvious solutions or have defined and standard work processes and can be addressed by following procedures and guidelines. Occasionally there are problems that must be defined and solutions found.
- Direct supervisor is always available whenever a problem arises.
- References available include supervisor and standard procedures.

RESPONSIBILITY

Accountability and Decision-Making

- Work is highly monitored or controlled.
- Specific procedures are in place for completing tasks and there is limited discretion. Occasionally situations may arise when Ranger has to rely on experience and judgement as certain protocols and guidelines do not correspond.

Impact

- Impacts are felt internally within the immediate work area, department, and outside the organization and with external stakeholders such as forest industry and the General Public.
- Results directly impact equipment, processes and systems, information and material resources. For example wear and tear on equipment, work methods get rewritten and improved and information gets updated each year.
- Errors or mistakes could have a moderate impact within the immediate work area and limited impact outside the department and the organization. Mistakes in counting the number of Hemlock Looper larvae could impact the location of spray blocks and treatment rationale and thus effectiveness of the spray in containing insect populations and potential damage to forest resources.
- Errors would normally be identified and resolved quickly by discussion with the supervisor in charge of the project.

Development and Leadership of Others

- | |
|--|
| — May provide guidance to new employees. |
|--|

WORKING CONDITIONS

Environmental Working Conditions

- | |
|--|
| <ul style="list-style-type: none"> — Safety equipment such as safety boots, goggles, long sleeve shirts and gloves are worn. Issued a first aid kit, cell phone, sun block and fly repellent. — There is a moderate likelihood of minor injuries or illnesses resulting from hazards and limited likelihood of more serious injuries or occupational illness. — Regular exposure to odours, physical dangers, sharp objects, adverse weather conditions, and travel is experienced. — Occasional exposure to unusual/distracting noise, dust, fumes, limited ventilation, limited lighting, dangerous heights or depths, wet and slippery surfaces, lack of privacy, awkward or confining spaces, temperature extremes and heavy machinery is experienced. |
|--|