

RESOURCE TECHNICIAN 1

GENERAL

This level may be either initial recruitment, training and junior working level for graduates or an approved Resources Technology program,

OR

A working level for positions which do not necessarily require formalized training and where knowledge and skills are normally acquired through detailed instruction and on-the-job training.

TYPICAL DUTIES

Under close supervision:

As a Resources Technology graduate:

Acquires knowledge of the Departmental practices, standards and procedures applicable to the resources field in which he will be working.

Becomes familiar with pertinent legislation and regulations.

Becomes familiar with standard methodology used by the resource professionals in the Province of Manitoba.

May participate in field projects as part of the initial orientation process.

As a working level:

May perform a variety of skilled duties either under general supervision or acting as assistant to more senior technicians.

May assist in the care, feeding, maintenance and distribution of hatchery-reared fish.

May read fish scales to determine the age of fish.

May perform routine photogrammetric work which may include preparation of flight maps, construction of mosaics and help in planimetric and slotted template mapping.

May assist in growing, raising and distribution of nursery tree seedlings.

May be responsible for the maintenance of related equipment.

May assist in supervising seasonal staff.

Performs other duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Knowledge of resource methods and procedures in a particular area.

Education, Training and Experience

Graduation from an approved Resources Technology program, or Minimum Grade XI education with some related experience preferred.

Physical Standards

Physically capable of performing the duties assigned.

RESOURCE TECHNICIAN 2

GENERAL

This is the working level of the Resource Technician Series where employees perform technical duties in a particular discipline under the guidance of a senior resource technician or resource professional. This level is differentiated from the Resource Technician 1 level in that the positions require a broader knowledge of resource management and a more detailed knowledge of resource methods and procedures.

TYPICAL DUTIES

Employees, under general supervision, perform such duties as the following:

May undertake data collection and compilation to provide the basis for analysis.

May be responsible for the maintenance of related equipment.

May assist in the spawning, incubation, rearing and distribution of fish.

May perform more complex photogrammetric work such as topographical mapping on a stereo plotter and precision stereo point transfer.

May be required to supervise permanent and/or casual employees.

May organize and implement work assignments and projects usually of short duration.

May perform analyses of a moderately complex nature.

Performs other duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Good knowledge of resource methods and procedures in a specific area.

Good knowledge of resource management principles.

Education, Training and Experience

Graduation from an approved Resources Technology program plus one year's experience as a Resource Technician 1, or an equivalent combination of education and experience.

Physical Standards

Physically capable of performing the duties assigned.

RESOURCE TECHNICIAN 3

GENERAL

This is a senior working level where the incumbent operates under limited supervision performing duties of a technical and complex nature. Employees at this level may be required to assume responsibility for one or more projects or segments thereof receiving only general guidance from a senior technician or resource professional. This level is differentiated from the Resource Technician 2 level by the responsibility for planning, organizing and implementing major projects and work assignments.

TYPICAL DUTIES

Under general direction and limited supervision:

May plan, organize and implement work assignments and projects.

May assemble, compile and analyze technical and scientific data, including preparing reports and submitting related recommendations.

May be required to supervise other permanent and/or casual employees in the performance of their duties.

May assist in the instruction and training of others.

May perform complex photogrammetric work such as analytical plotting and the computing of results, responsibility for slotted template laydown mapping or planning and implementing aerial photographic missions.

May assist in preparing and controlling budgets.

Performs other duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Ability to plan and organize projects and supervise their implementation.

Good knowledge of resource management principles.

Good knowledge of legislation, programs and policies as they relate to resource management.

Detailed knowledge of resource methods and procedures.

May be required to have a good knowledge of computer programming and computer systems.

Education, Training and Experience

Graduation from an approved Resources Technology program and preferably two years' related experience or equivalent combination of education and experience.

Physical Standards

Physically capable of performing the duties assigned.

RESOURCE TECHNICIAN 4

GENERAL

This is highly responsible work performed in one of two areas. Employees may be responsible for performing highly specialized work requiring the application of advanced technical skills within a specific field OR they may supervise and administer the operation of a unit performing a specialized activity in a technical area. They work under limited supervision and report directly to a senior professional or management level. This level is differentiated from the Resource Technician 3 level in that incumbents either provide the Department with specialist services (normally on a provincial basis) in a technical area OR supervise and administer an operational unit.

TYPICAL DUTIES

Under limited supervision:

May supervise and administer an operational unit, including planning priorities, directing staff, conducting training courses, assisting with contract estimates, preparing program plans and the preparation and control of budget estimates.

May act as a technical consultant to the Department in a specialized field in the development of management plans and programs and evaluation of data to ensure proper utilization of the resource.

May plan, organize and implement project work assignments within the operational unit.

May prepare reports and make recommendations based on projects carried out under his direction for approval by a senior professional or management level.

May be responsible for the use or instruction of complex equipment which requires specialized knowledge.

May be responsible for the administration of a specific act and regulations.

Performs other duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Ability to supervise and administer programs.

Expert knowledge of legislation, programs and policies pertinent to a specialized resources area.

Detailed knowledge of resource principles, methods and procedures.

Education, Training and Experience

Graduation from an approved Resources Technology Program with five to seven years' related experience or an equivalent combination of education, training and experience.

Physical Standard

Physically capable of performing the duties assigned.

RESOURCE TECHNICIAN 5

GENERAL

This is a highly responsible technical/administrative level involving responsibility for the supervision and administration of a large and/or complex program or major section thereof. Employees at this level report directly to senior professional or management level staff receiving only general guidance and direction. This level is differentiated from the Resource Technician 4 level in that the incumbent must supervise one or more technicians at the Resource Technician 4 level.

TYPICAL DUTIES

Under general direction:

May be responsible for the supervision and administration of a photogrammetry section including planning priorities, estimating costs and directing staff.

May be responsible for the preparation of all base maps and forest cover maps prepared by the Province for aerial photographs.

May be responsible for supervising all phototyping and photointerpretation of projects undertaken by the Forest Inventory Section including conducting training courses and assisting with contract estimates.

May be responsible for the operation and management of the Provincial Forest Nursery including supervision of all staff, assistance in the preparation of program plans and the preparation and control of budget estimates.

May be responsible for the agricultural leasing and permitting of Crown Lands within the Province including the co-ordination and administration of regional programs.

Performs other duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Ability to supervise and administer large programs.

Ability to carry out long range planning.

Expert knowledge of legislation, programs and policies as they relate to resources management.

Expert knowledge of resource principles, methods and procedures.

Education, Training and Experience

Graduation from an approved Resources Technology Program with five to seven years' technical experience and two to three years' supervisory experience related to the applicable technical specialty or an equivalent combination of education, training and experience.

Physical Standards

Physically capable of performing the duties assigned.

RESOURCE TECHNICIAN 6

GENERAL

This is a highly responsible technical/administrative level involving responsibility for the supervision and administration of a complex provincial program or a major section thereof. Employees at this level report to a senior professional or management level and operate under very general guidance and direction. This level is differentiated from the Resource Technician 5 by the size, scope and complexity of the organizational unit or program supervised.

TYPICAL DUTIES

May be responsible for the supervision and administrative co-ordination of all activities within a complex provincial program including program planning, preparation and administration of budgets, supervision of staff and liaison with other jurisdictions.

May be responsible for planning, scheduling, quality control and co-ordination of resource projects carried out in a section, including consultative management planning, the direction of technical staff and liaison with government and private officials.

Performs other duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Ability to supervise and administer large programs.

Ability to carry out long range planning.

Expert knowledge of legislation, programs and policies as they relate to resources management.

Expert knowledge of resource principles, methods and procedures.

Education, Training and Experience

Graduation from an approved Resources Technology Program with five to seven years' technical experience and two to three years' supervisory experience related to the applicable technical specialty or an equivalent combination of education, training and experience.

Physical Standards

Physically capable of performing the duties assigned.