

PURPOSE OF THE POSITION:

Reporting to the Superintendent, Watershed Operations this position is primarily responsible for surveys, inspections, assessments, prescriptions and inventories related to forest operations on Greater Vancouver Water District (GVWD) management areas.

Duties: *(The duties described are intended to be representative of the position and are not to be considered as all inclusive).*

Conducts a variety of survey and engineering work including inspections, inventories and assessments relating to: vegetation, landslide, sediment source, forest pathology, stream, gully, road, trail, and drainage structures.

Conducts layout and develops prescriptions and operational plans for a variety of Water Services operational projects such as; road construction and deactivation, trail construction, vegetation management, drainage structures, gravel development sites, rock quarry development, stream bank stabilization, landslide rehabilitation, aquatic and terrestrial enhancement projects.

Assists with the development and administration of tender documents for construction and maintenance projects. Liaises with consultants for engineering review and design of proposed construction projects.

Provides technical support to Water Services staff including layout for construction and maintenance projects. Collaborates with Environmental Management staff in the development of environmental protection measures (e.g. erosion control), for incorporation into project design in the planning and construction phases.

Conducts hydrologic and hydraulic analyses for drainage structures associated with Water Services infrastructure.

Provides data and contributes to the production of technical drawings, topographic layouts, site plans and profiles.

Reviews draft prints, updates and finalizes drawings utilizing technical software applications as required.

Utilizes and maintains GPS equipment, data loggers, laser and conventional survey equipment. Arranges for equipment servicing and purchasing as required.

Assists in the coordination and administration of Watershed Engineering budgets, contracts and project records.

Trains and supervises seasonal employees, as required.

Maintains and updates watershed operational and asset management planning files and documentation.

Performs standby for watershed activities, as required.

Participates in emergency response, including forest fire fighting, petroleum spill clean up, road patrols and emergency remedial works.

REQUIREMENTS:

Diploma in a Natural Resources Management technology or Civil Engineering program, or an equivalent combination of training and related work experience in engineering and surveying.

Minimum of 3 years' experience in forest engineering operations.

Thorough knowledge of forest survey and inspection techniques, road grade construction and maintenance, erosion control, water quality monitoring, drainage structure construction operations and practices with a view to ensure that safe, economic, and environmentally sound techniques are practiced.

Knowledge of GVWD, municipal, provincial and federal legislation, policies and regulations related to forest operations.

Demonstrated ability to safely and effectively supervise staff and contractors.

Demonstrated knowledge in the development and implementation of worksite safety management plans.

Demonstrated proficiency in standard office and technical software applications such as Geographic Information Systems.

Sound written and oral communication skills including report writing and presentation skills; ability to communicate complex information, requirements and implications to diverse audiences.

Boat operations experience and certifications would be an asset (MEDA3 or SVOP).

Valid Class 5 BC Driver's License.