

## Metro Vancouver Regional District

**Position Description: Field Hydrologist (G794)**

**October 2017**

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### **PURPOSE OF THE POSITION:**

Reporting to the Supervisor of Environmental Management, this position is primarily responsible for the operation and maintenance of the network of weather, hydrometric and reservoir monitoring stations in Greater Vancouver Water District (GVWD) management areas. This includes data collection, management, interpretation and distribution to internal and external contacts.

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

Installs, calibrates and maintains weather, reservoir and hydrometric station equipment and related infrastructure throughout watershed lands. Operates and maintains stream and reservoir turbidity monitoring systems. Troubleshoots communications and software systems, directs all repairs and improvements.

Coordinates the annual reservoir limnology program including resource scheduling, equipment calibration, maintenance and field data collection. Works closely with a range of consultants to ensure annual program objectives are met.

Completes QA /QC of monitoring network data. Collects and reviews/interprets data, reviews for anomalies and liaises with Metro Vancouver project managers and external agencies in providing data and associated reports.

Supports Watershed Protection staff in weather forecasting, data and technical support for routine forecasting, project specific weather forecasting and storm reporting.  
Provides support to operations staff for erosion control works and other disturbances (e.g. landslides, washouts, etc.).

Tracks and compiles all associated event data.

Coordinates contractors or consultants for hydrologic and hydraulic analyses of drainage structure replacements (e.g. bridges, culverts, etc).

Assists with site plans and prescriptions for a variety of projects on Water District lands as required (e.g. erosion control, road network management, site restoration).

Tracks associated project budgets, monitors contractor and consultant costs and keeps detailed project cost records.

Coordinates and directs staff, consultants and contractors as required.

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.

Performs other related duties as required.

**REQUIREMENTS:**

Diploma in a Natural Resources Management program or an equivalent combination of training and related work experience in natural resource management.

Minimum of three years' experience in natural resource management.

Proficiency with weather, limnology and hydrometric station monitoring equipment and associated software.

Demonstrated proficiency in standard office and technical software applications.

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 required; certification is an asset (MEDA3 or SVOP).

Demonstrated ability to safely and effectively supervise staff and contractors.

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

Valid Class 5 BC Driver's Licence