



## Water Quality Services

### Groundwater

Millennium EMS Solutions Ltd. (MEMS) offers its clients expertise in all aspects of groundwater investigations and groundwater monitoring programs throughout western Canada. Our personnel have conducted investigations and assessment studies in support of resource development and management projects for a wide range of industry sectors.

#### Groundwater Investigations:

- Regional assessments;
- Environment impact assessments;
- Hydrological assessments and analysis;
- Siting and permitting/approvals;
- Flow and contaminant transport;
- Evaluation of wells;
- Dewatering systems;
- On site sewage treatment; and
- Drinking water quality surveillance.

#### Groundwater Monitoring:

- Annual groundwater monitoring and reporting;
- Preparation of groundwater remediation plans, including;
  - In situ treatment,
  - Groundwater treatment and recovery systems,
  - Site specific groundwater criteria development,
  - Groundwater risk management:
    - Natural Attenuation Assessment,
    - Barrier systems,
    - Administration controls, and
    - Long-term monitoring.

### Surface Water

Millennium EMS Solutions Ltd. (MEMS) offers its clients expertise in all aspects of surface water assessment throughout western and Arctic Canada. Our personnel have conducted surface water assessments and studies in support of resource development and management projects for a wide range of industry sectors.

Our experience includes:

- Environmental compliance monitoring;
- Biological and limnological assessments;
- Water supply;
- River crossing;
- Drainage & storm water ,management;
- Drainage and flood control;
- Floodplain management; and
- Water quality, distribution, and storage.

