

# Surface Water Monitoring Services

HCL offers a full range of surface water monitoring services meeting the latest regulatory requirements, as well as personalized project planning to fit your scope of work.

Our knowledgeable staff will provide remote and on-site monitoring for all your short- and long-term project needs, ensuring that the proper equipment is installed and the necessary approvals are in place prior to project start date.

HCL can handle any or all of your licensing application requirements, including:

- Feasibility analysis of alternative surface water supplies
- Set-up and on-site supervision of diversion monitoring equipment
- Streamflow and lake-level monitoring
- Surface water quality sampling
- Ongoing surface water monitoring and reporting per licence conditions
- Watershed assessment and analysis for environmental compliance and landowner impact assessment



## Experience

Hydrogeological Consultants Ltd. has been providing water monitoring services for over 45 years.

## Qualifications

Our experienced staff includes members of:

- APEGA • APEGBC • APEGM • ASPB • ASET

## Surface Water Locating

- Desktop and field studies of available surface water options

## Licensing

- Licence and Temporary Diversion Licence (TDL) applications for a surface water supply under the *Water Act*
- Temporary Field Authorization (TFA) applications for access to water bodies and crown land
- Drafting and securing of signed consent for access to water bodies on crown land

## Streamflow Monitoring

- Small and large stream monitoring (summer and winter)
- Daily online monitoring and notifications of Instream Flow Needs (IFN)
- Variety of monitoring techniques available

## Lake-Level Monitoring

- Summer and winter lake-level monitoring
- Evaluation of drawdown
- Variety of monitoring techniques available

## Water Quality Sampling

- Surface water sampling (lakes, streams and dugouts) for chemical analysis
- Good working relationships with certified water testing labs

## Watershed Assessments

- Hydrologic cycle analysis and impact assessments in small and large watersheds

## Environmental Compliance

- Personalized on-site compliance monitoring
- Project compliance

## Reporting

- Water Use Reporting System (WURS) updates
- Preparation and submission of water use reports
- Preparation and submission of licence application reports

## Government Liaison

- Client representation
- Regulatory changes and government updates
- Follow-up of report submission and application status

Groundwater and Surface Water Solutions for a Changing Environment