

## FISH/FISH HABITAT & BIOPHYSICAL ASSESSMENTS

G3 has applied experience in fish habitat assessment, mitigation, compensation, restoration, compliance monitoring and implementation of instream and riparian improvements including reconstruction of riffle-pool sequences, placement of large woody debris (LWD), revetments and boulder clusters, stream bank and marine reefs bio-engineering, etc.



## FISH PASSAGE CULVERT INSPECTION ASSESSMENTS

G3 possesses expertise in culvert inspections conducted on behalf of industry and government to assess fish passage and habitat access issues. Assessments involve aerial photo interpretation, on-site evaluations and GIS mapping services. G3 also provides services for development and implementation of restoration prescriptions for partial or fully impassable culverts (where required).

## G3 Consulting Ltd.

**G3 Consulting Ltd. (G3)** provides effective environmental services through innovative and defensible science. As an aquatic based research firm, G3 routinely develops programs and assesses data concerning potential impacts, influence or risks associated with point and non-point discharges on freshwater and marine ecosystems, watersheds, resources and associated habitat and water quality.

G3 personnel are specialists in aquatic studies and work with government and industry to develop scientifically sound programs commensurate with intended project objectives.

G3 offers experience and expertise in effects assessments and monitoring, CEAA, SARA, RAR, ecological and human health risk assessments, marine foreshore biophysical (underwater) surveys, bathymetric and GIS studies, substrate and benthic invertebrate assessments, habitat mitigation and compensation, construction monitoring, data modeling, fish and fisheries resources assessments, enumerations and operational inventories, and watershed assessments, mitigation, and resource management.

## Services

- *Riparian Area Assessment*
- *Species At Risk Act Assessment*
- *Fish/Fish Habitat Assessment*
- *Environmental & Contaminated Site Assessment*



**G3 CONSULTING LTD.**  
*Innovation & Excellence In  
Environmental Science*

**G3 Consulting Ltd.**  
**206-8501 162nd Street**  
**Surrey, B.C.**  
**Canada V4N 1B2**  
**Phone 604-598-8501**  
**Fax: 604-598-8525**  
**Info@g3consulting.com**  
**www.g3consulting.com**

## Riparian Area Assessments

On July 2004 the BC Riparian Areas Regulation (RAR) was enacted under Section 12 of the *Fish Protection Act*. This regulation called on local governments to protect Riparian Areas during residential, commercial, and industrial development to ensure proposed activities are subject to science-based assessments as conducted by a Qualified Environmental Professional (QEP).

G3 provides QEP services for private landowners, developers and industrial clients requiring various levels of RAR assessments. Assessment components include fish, fish habitat, hazard tree, sediment and erosion control, vegetation, hydrology, surveying, litter fall, mitigation, shade and LWD. G3 is capable of providing a range of services commensurate to client needs.



## Species At Risk Act Assessments

The *Species at Risk Act* (SARA) provides the authority to prohibit the destruction of endangered or threatened species and their critical habitat on all lands in Canada. The *Act* provides emergency authority to list species in imminent danger, supplies a key tool for the conservation and protection of Canada's biological diversity and fulfills a key commitment under the International Convention on Biodiversity.

Under SARA it is an offence to kill, harm, harass, capture, take, possess, collect or sell species at risk protected by the *Act*. It is also an offence to possess, collect, trade or sell parts or products derived from protected species. As well, it is illegal to destroy or damage the residence or critical habitat of the species, necessary for their survival and recovery.

G3 has conducted numerous field and research-based SARA assessments on behalf of First Nations, government and industry for a variety of purposes. Please contact G3 to discuss SARA service options.

## Environmental & Contaminated Site Assessment Services

G3 conducts site assessments on behalf of property owners, developers, law firms and financial institutions in response to legal requirements under the *Contaminated Sites Regulations* of the *BC Waste Management Act*, the *BC Waters Act*, federal *Fisheries Act*, the *Canadian Environmental Protection Act* or *Contaminated Sites Regulations* (CSR). Investigations focus on establishing potential sources of water and soil contamination and toxicity associated with current or historical site activities. G3 utilizes a tiered process of examination and analyses to define magnitude and extent of potential contaminants and establishes any need for remedial action.



Ask us to pay you a visit to discuss your project or needs!