



**DWB Consulting  
Services Ltd.**

Engineering | Environmental | Forestry | Geomatics

# CORPORATE PROFILE

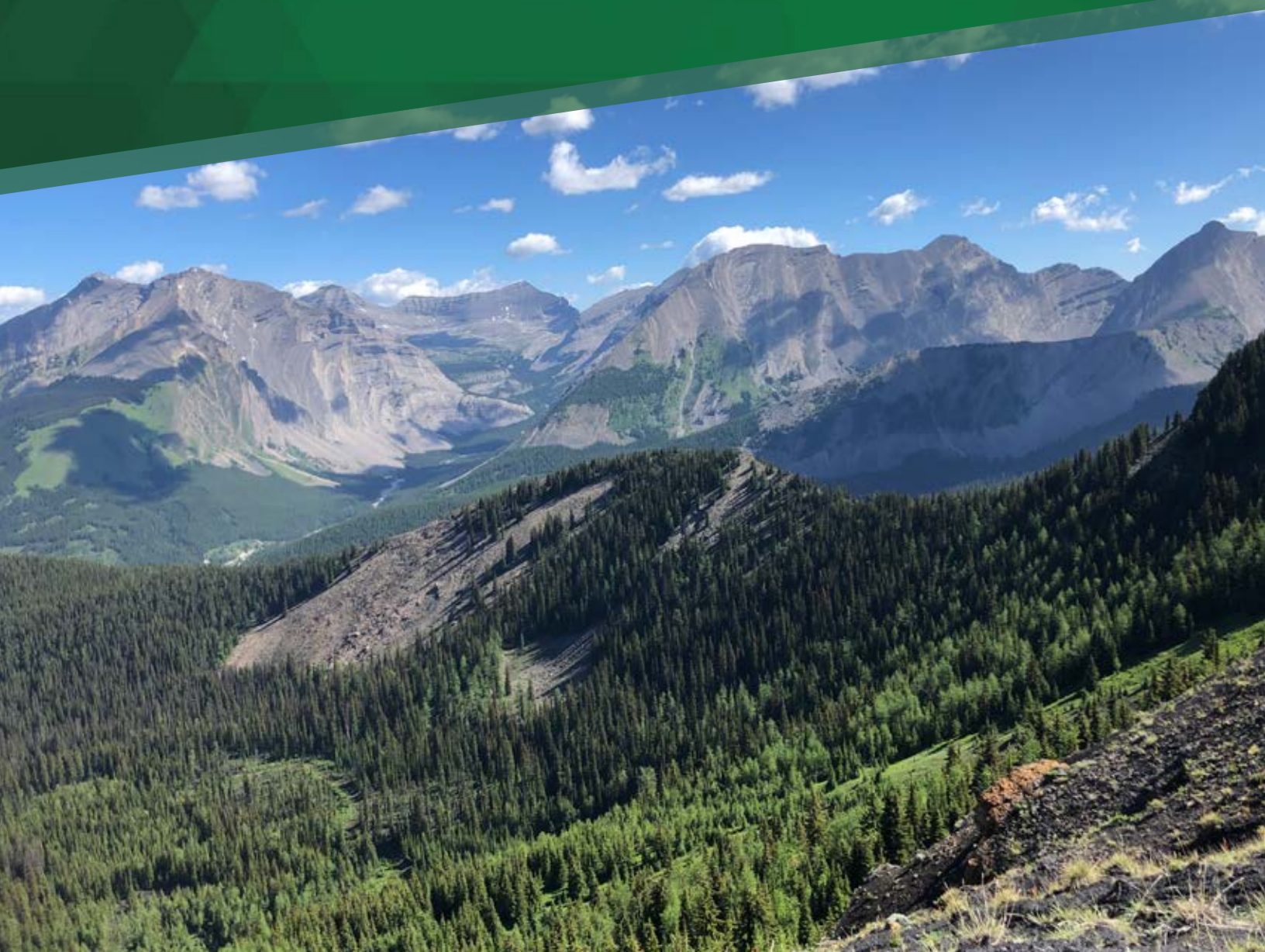
Canadian Council for  
ABORIGINAL  
BUSINESS



COMPLYWORKS



Avetta





**DELIVERING  
RESULTS  
THROUGH  
INNOVATION,  
QUALITY AND  
RELIABILITY**

# CORPORATE OVERVIEW

DWB Consulting Services Ltd. (DWB) is a dynamic, multi-disciplinary consulting firm that specializes in offering a full suite of value-added environmental, engineering and forestry services to our clients in Western Canada. Since 1990 when founded by **Dave William Bedford**, DWB has grown from a small family run business to a multi-faceted company with over 200 staff in offices throughout British Columbia.

DWB has established a strong reputation for our ability to develop innovative, cost effective solutions to complex environmental, engineering and forestry challenges. Our internal structure focuses on a multi-disciplinary team, with a diverse professional and technical staff consisting of Professional Engineers (PEng), Professional Biologists (RPBio and PBIol), Professional Agrologists (PAg), Environmental Professionals (EP), Professional Project Managers (PMP), Forest Professionals (RPF and RFT), and Professionals in Erosion and Sediment Control (CPESC).

Any project that we accept is considered within the context of our experienced multi-disciplinary team. This approach ensures that solutions are practical, environmentally sound, operationally feasible and economical.

In addition to our exceptional team and experience, DWB's vision, corporate values, strong leadership, Indigenous partnerships, and focus on quality and safety set us apart as a premier consulting firm.

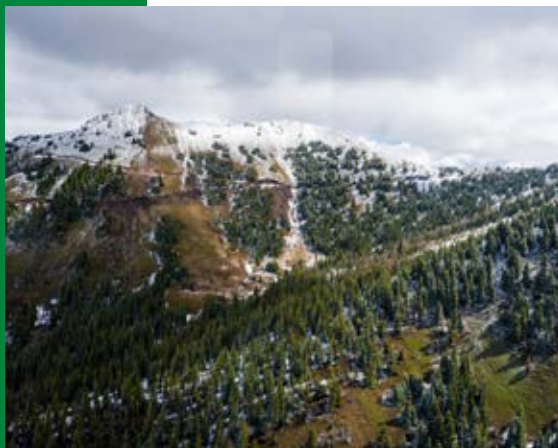
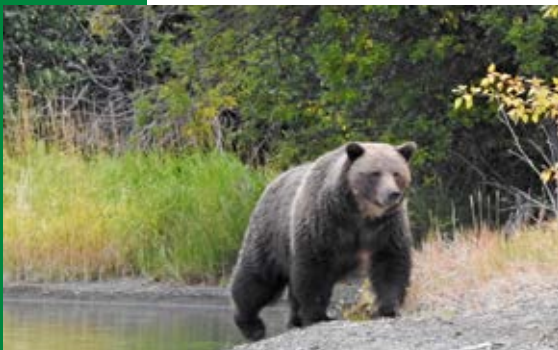
## MISSION

*To encourage, demonstrate and empower service and giving*

## VISION

*To provide exceptional consulting services that facilitate development of our employees, clients, communities and charitable partners*





## KEY CORPORATE VALUES

DWB's core corporate values of integrity, service, generosity and community are inherent to everything we do.

**Integrity:** Being honest and having strong moral principles that are consistently applied in all aspects of our business and personal lives

**Service:** Performing valuable work that supports and advances the interests of our clients and business associates

**Generosity:** Giving intentionally our time, talents and resources so that others' lives can be enriched

**Community:** Encouraging a strong, positive corporate culture of supporting each other; our employees, shareholders, clients and external partners



## QUALITY ASSURANCE

DWB maintains a system of quality control to ensure work being performed is properly defined, undertaken by competent personnel, meets applicable codes and standards, provides for adequate oversight and checking, and specifies requirements for documentation. As a requirement under British Columbia's Professional Governance Act, DWB's Professional Practice Management Plan contains all of our quality procedures, and is an integral component of our operations and success over 30 years of delivering quality services.

## SAFETY

DWB's safety culture is built on the philosophy that safety is fundamental, and each employee has a right and responsibility to work safely and embody the philosophy of safety through leadership.

DWB's leadership works to empower employees to have an open communication with respect to training for new tasks and assignments, identification of potential hazards and refusal of unsafe work. DWB has a high safety standard for all of its employees, including full adherence to the Occupational Health and Safety Plan (OHSP).

DWB is a 'Safe Certified' Company by the BC Forest Safety Council, holds a Safety Certificate of Recognition (COR) both in British Columbia and Alberta, and is safety certified by ISNetwork, Avetta and ComplyWorks.

We believe that excellence in health and safety is key to our long-term success.



# INDIGENOUS PARTNERSHIPS

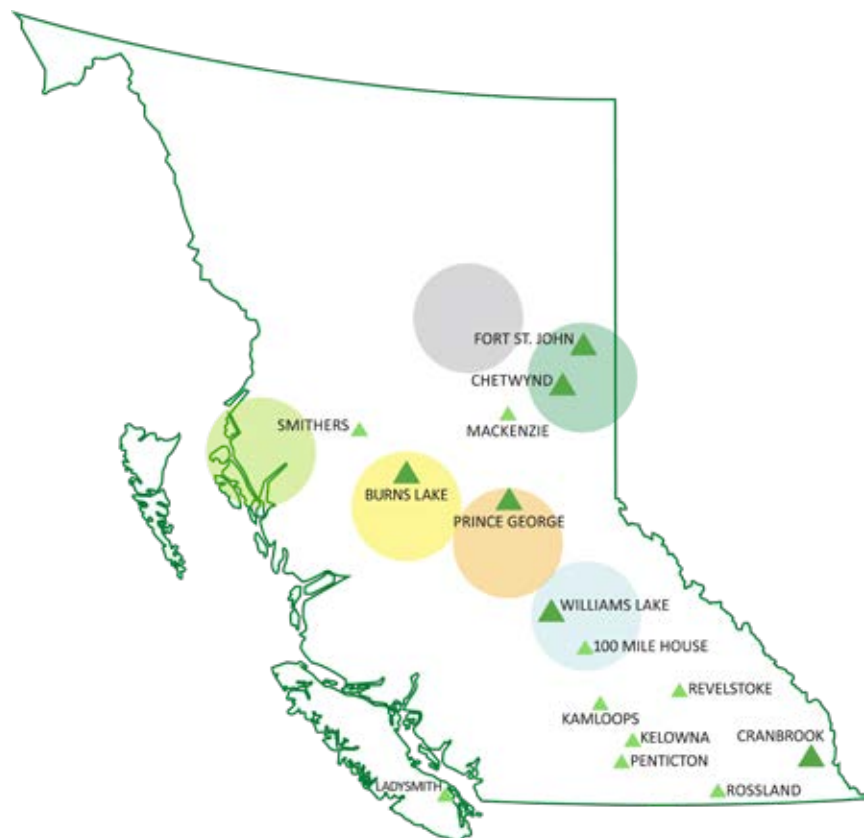
DWB recognizes that our work occurs on treaty lands and within the traditional territories of many Indigenous Peoples. With this knowledge comes our responsibility to ensure cultural safety, respect, engagement and participation with Indigenous Peoples within whose territory we operate. Corporately, DWB has committed to developing meaningful relationships with Indigenous People, communities, and businesses through focused subcontractor procurement, business development, shared benefits, and community investment with Indigenous business partners. DWB actively seeks partnerships with Indigenous-owned businesses, by creating Limited Partnerships or through joint initiatives for the benefit of both the Indigenous Peoples and DWB.

DWB has been building relationships with Indigenous communities and businesses throughout central and northern British Columbia since our company was founded in 1990. These relationships are based on mutually beneficial arrangements that help to build individual skills, community capacity, and thriving communities. DWB is also a proud member of the Canadian Council for Aboriginal Business.

DWB has many informal Indigenous working relationships in the regions in which we operate and we are actively pursuing more formal business arrangements. To accomplish this, DWB employs several senior, experienced Indigenous Coordinators to manage our partnerships and ensure that First Nations are included in all our work opportunities.

## FORMAL PARTNERSHIPS:

- Gitxaala Environmental MOU
- Kwadacha  
– DWB Limited Partnership
- Noot'senay Consulting Limited Partnership (with Cheslatta Carrier Nation)
- WLFN Consulting LP (with Williams Lake First Nation)
- West Moberly  
– DWB Limited Partnership
- Nazko  
– DWB Limited Partnership



# COMMUNITY INVOLVEMENT

Serving others and giving are very important to our company and an integral part of DWB's mission and corporate values. DWB recognizes that being a successful business carries the responsibility to give back to our communities, to give a hand-up to those in need, and to give of our hearts, time and resources.

To meet this responsibility, DWB supports many charitable and non-profit organizations in the communities where we live, across Canada and throughout the world. DWB staff contribute hundreds of volunteer hours and resources to charitable causes. DWB also encourages giving from all of our staff, because working together can go a long way in helping others.

Past projects DWB has sponsored have included: local athletics and events, youth programs, health care, medical programs, schools, bursaries, educational programs, playgrounds, elder care, shelter and food banks, missions, orphanages, and business development and water projects in developing countries.



# SERVICE SECTORS

DWB's unique blend of engineering, environmental and forestry expertise allows us to provide most, if not all, services required to facilitate our client's projects through the planning development, design, construction and operational stages in many sectors.

## TRANSPORTATION

DWB specializes in transportation, rail, and civil projects, including road and highway design, stream crossing design (bridges and culverts), hydrotechnical studies, river engineering, steel and concrete design, and related services such as materials testing, traffic management planning, quality plan development, bridge inspections, structural and load rating analysis. In addition, DWB provides environmental services for transportation projects including permitting, environmental monitoring and environmental management plans.

## MINING

DWB has a long history of supporting resource extraction projects, from aggregate pits to large scale coal and metal mining developments. Our experienced team has provided a wide range of services to the mining industry in all stages, from exploration through to mine closure, and post-closure monitoring. Our team has a thorough understanding of the environmental regulations and requirements to support these projects, and the experience to back it up.

## FORESTRY

DWB has been intimately linked to the forest industry in central and northern British Columbia since 1990. Our full spectrum of services includes all aspects of planning, multi-phase timber development, engineering and post-harvest work. Our team of forest professionals provides services to many other sectors through planting and rehabilitation prescriptions, land use planning and tenure applications.





## OIL AND GAS

Our team is experienced in providing support to upstream, midstream and downstream oil and gas activities including: pre-disturbance assessments, permitting and regulatory support, construction environmental monitoring and inspecting, site investigation (Stage 1 & Stage 2 PSIs) and remediation and reclamation. We have extensive experience supporting pipeline construction and well site remediation and reclamation.

## POWER AND DAMS

DWB has a long history of delivering support to power generation projects, including wind, solar, run-of-river and large dam/transmission lines. Our multi-disciplinary teams have provided valuable contributions to planning, design, construction and post-construction phases of these projects for clients throughout British Columbia.

## MUNICIPAL

DWB provides services for municipal development within British Columbia and southwestern Alberta including environmental assessments, survey, boat launch design, recreational trail design and full-scale watershed drainage plans. Our experience with land use planning, and our local office experience supports clients navigating the layers of regulatory requirements necessary for these projects.



A scenic mountain landscape. In the foreground, there is a lush green field with some fallen logs. To the right, a dense forest of tall evergreen trees rises. In the background, a mountain range is visible, with some peaks covered in snow and partially obscured by large, white, fluffy clouds. The sky is blue with scattered clouds.

# OUR SERVICES



# ENVIRONMENTAL

DWB is a premier environmental services provider servicing a diverse range of clients throughout British Columbia and across Western Canada. Our extensive staff of environmental professionals and technicians, including Professional Biologists, Agrologists, Engineers, Foresters, Environmental Professionals and registered technologists includes subject matter experts in fisheries and aquatics, avian and wildlife ecology, amphibians and reptiles, invasive plant and vegetation, soil, erosion and sediment control, construction environmental monitoring, contaminated sites, reclamation, remediation, and permitting.

DWB provides a wide variety of environmental services, either as stand-alone services, or as part of larger engineering or forestry programs. DWB has diverse corporate and staff experience in environmental regulatory processes, impact assessments, classification, delineation and inventory, reclamation and rehabilitation, mitigation and off-set planning, environmental construction monitoring, auditing and inspecting, and research design and implementation projects. DWB provides support to a wide variety of client sectors including linear developments such as roadways (bridges, culverts and road construction), pipelines and transmission lines, exploration and production mining, forestry, oil and gas leases, and private building developments. DWB has successfully completed a wide array of projects for clients in all sectors, from small, simple assessments to multi-year, multi-million dollar infrastructure mega-projects.





# FORESTRY

Building on our forestry roots and extensive experience across the province, we have expanded our professional scope to provide a multi-disciplinary range of services for our clients not only in the forest industry, but in sectors including transportation, utilities, mining and oil and gas. Our professionals have extensive knowledge and expertise in many districts, including ecological, legislative and technical aspects of forestry unique to many areas of the province. DWB's Forest Professionals remain current through ongoing professional development and training to maintain competency with British Columbia's evolving forestry research, policies and best management practices.

The DWB forestry department specializes in pre-harvest timber development, comprehensive planning services, timber valuation and a wide variety of silviculture services. Combined with additional services from the engineering, environmental, and geomatics departments, DWB is able to provide complete multi-phase timber development services for our clients. Our skilled staff can satisfy a wide range of clients' requirements, and create effective solutions for custom silviculture and reforestation projects. Our inter-disciplinary staff are able to provide innovative solutions to non-traditional forestry projects including rehabilitation, revegetation, and harvest planning and permitting across many other industries.





# ENGINEERING

The DWB engineering department specializes in transportation and civil projects, including road and highway design, stream crossing design (bridges and culverts), hydrotechnical studies and river engineering. Related services include topographic ground and UAV (drone) surveys, construction engineering and supervision, hydrographic/bathymetry surveys, traffic management planning, quality plan development, bridge inspections and structural load rating analysis. To plan for an unknown future, climate change integration using accepted provincial guidelines is key to our hydrotechnical assessments and related crossing designs.

DWB provides services for all project phases from feasibility studies, planning and preliminary engineering through to detailed design and tender document development, as well as contract administration, construction supervision, and operational-phase inspections and certification. Inter-disciplinary cooperation with DWB's environmental and forestry divisions ensures effective, comprehensive project delivery.

DWB is a proud recipient of several Deputy Minister Awards in recognition of our work on Ministry of Transportation and Infrastructure projects in British Columbia, including the Willow River Bridge northeast of Prince George, Nautley Bridge near Fraser Lake, and Emergency Works on Highway 37A east of Stewart.





# RECLAMATION & RESTORATION

DWB has a skilled team of professionals experienced in reclamation, rehabilitation and restoration planning and implementation. Our technical experts assist clients in the oil and gas, mining, transportation, power, and aggregate sectors successfully reclaim and restore disturbed lands and aquatic environments to previous capabilities or pre-disturbance ecosystems. DWB works with clients to minimize their reclamation obligations over the life of operations by utilizing a unique endpoints approach to vegetation monitoring. This approach identifies vegetation cover that is self-sustaining, following the intended successional trajectory and is pursuant to the end land use objective, which can then be released from further works.



Using innovative and tested approaches, DWB works to identify successful, cost-effective and site appropriate short and long-term reclamation measures. In much of British Columbia, factors such as short growing seasons, shallow and poor soils can pose significant limitations to restoring vegetation cover, and in some cases, native plants, which are adapted to these harsh conditions, provide the best option. Wherever possible, DWB works to develop and implement research programs using native plant species in order to provide our clients with innovative and effective revegetation practices.



# REMEDIATION

DWB has an experienced team of professional assessment and remediation scientists and technicians able to conduct contaminated site assessments and remediation plans for clients in the oil and gas, mining, municipal and commercial sectors. DWB's services include Stage 1 & 2 Preliminary Site Investigations (PSI), Phase 1 & 2 Environmental Site Assessments (ESA) and Detailed Site Investigations (DSI). Our team conducts property and wellsite information searches, historical document reviews, site reconnaissance, and oversees electromagnetic surveys. We also supervise soil drilling and well installation, and conduct groundwater monitoring and sampling.

DWB analyzes lab test results to characterize potential contaminants and we report using Numerical Standards and/or Risk-based Standards approaches; including, environmental risk assessment for human health risk and ecological risk. DWB's optimized remediation plans include one or more combined approaches using bioremediation, chemical/physical remediation, remedial excavation, or partial remedial excavation combined with risk management, or strictly in situ risk management. DWB's remediation team can prepare Certificate of Restoration (COR) Part 1 or Certificate of Compliance (COC) applications for clients.

Additional special service offerings include Waste, and Hazardous Waste Management element characterization and quality assessment, with resulting disposal and/or management plans. For mines, municipal landfills, and wastewater treatment facilities, DWB conducts groundwater, surface water, and soil vapour monitoring for operations permitting compliance, and environmental monitoring services for civil work due diligence (e.g., tank removal, construction projects).





# EROSION & SEDIMENT CONTROL

DWB is a leading provider of Erosion and Sediment Control (ESC) services, with one of the largest teams of erosion control specialists in Canada. DWB has many Certified Professionals in Erosion and Sediment Control (CPESC), Certified Inspectors of Sediment and Erosion Control (CISEC), Certified Leads in Erosion and Sediment Control in BC (BC-CESCL), and ESC support from hydrotechnical Engineers, Biologists, Agrologists and Foresters.

DWB provides all aspects of ESC support for the full project life cycle: from preliminary site assessments to determine erosion risk and potential, to developing site specific prescriptions and plans including bioengineering techniques, to overseeing implementation and installation, to monitoring and assessing ESC measure effectiveness. DWB is also a supplier and installer of ESC products including for bioengineering applications such as live stakes, brush layers and live plantings, seed, erosion control blankets, mulch, straw wattles, and a variety of sediment control measures.

DWB specializes in ESC for linear development, with extensive recent experience as the ESC Lead for five prime contractors on the Coastal GasLink Project, and with many years of staff experience providing ESC support for highway projects throughout British Columbia and Alberta.

DWB is an active member of the Erosion and Sediment Control Association of BC and the International Erosion Control Association and works to improve ESC management tools in British Columbia for industry use. Contact DWB to obtain customized classroom and field-based ESC training.



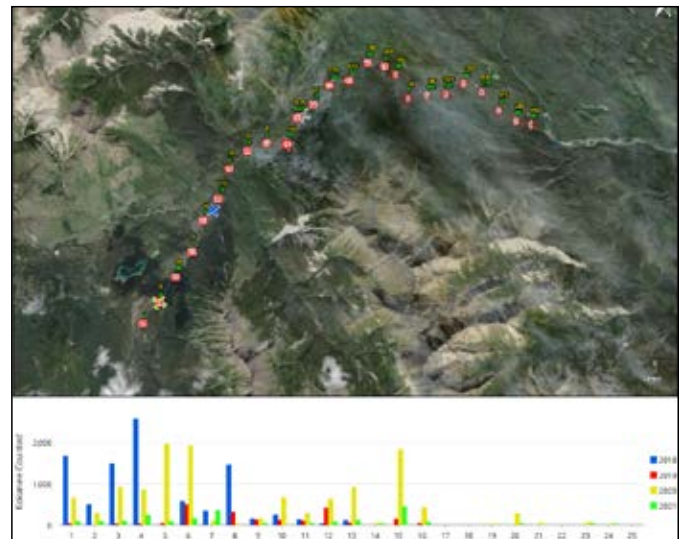


# GEOMATICS

Consisting of a dynamic team of GIS Analysts and Technicians, the DWB geomatics department provides support to our forestry, environmental, and engineering divisions by providing a wide variety of GIS, spatial analysis, and mapping related services. Our survey capacity includes standard and drone surveys for both fixed wing and rotary UAV, hydrography/bathymetry and remote sensing. We utilize the latest software and geoprocessing procedures to ensure we are continually satisfying client needs with geospatial data and analysis.

At the core of our approach is a commitment to delivering high-quality, reliable, and cost-effective GIS services that are tailored to meet the unique needs of each client. With extensive technical knowledge and experience in a variety of GIS and natural resource sectors, our geomatics team is adaptable and committed to ensuring quality mapping outputs, geospatial datasets, accurate statistical reporting, and precise field data collection through a detailed process of internal quality control.

As an essential component of our organization, services that the geomatics department provide are critical for informed decision making and effective problem solving. Our talented team of GIS professionals is well-positioned to help clients achieve their goals and succeed in their respective industries.



# TRAINING & COURSE DELIVERY

DWB has many subject matter experts that enjoy sharing their knowledge, skills and passion for learning and teaching with others. DWB-delivered courses help clients build their overall corporate capabilities by enhancing individual staff skills and knowledge.

The diverse experience of our staff allows DWB to prepare customized field and classroom based training courses to meet our client's specialized needs. Past course delivery has included field techniques and methods for environmental or forestry assessment, monitoring, erosion and sediment control, best management practices and ATV, UTV and Snowmobile training certified by the Canada Safety Council.

Our staff have developed training courses for First Nations, universities and colleges, industry organizations, major forest licensees, a variety of other market sector clients, as well as provincial ministries and departments.



# COMMERCIAL JET BOAT

DWB provides licensed jet boats with highly skilled, certified captains which have experience operating on many of British Columbia's large river and lake systems. DWB's jet boat services are required in many sectors for a variety of uses including: safety vessels, crew transport, scientific studies, hydrographic surveys and emergency response.

All captains have minimum training certifications including: Transport Canada's Small Vessel Operator Proficiency (SVOP), and Marine Medical First Aid (MEDA3), WCB Level 1 First Aid, Advanced River Boat Operation Training and Canadian Safety Council Swift Water Rescue.

DWB vessels are Transport Canada certified for commercial operation on Canadian waters. Our vessels are meticulously maintained by the manufacturer to the highest safety standards.



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