

Jubilee Cacaci | Project Manager, M. Sc.

Golden, British Columbia

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Professional Summary:



Mr. Jubilee Cacaci is an Environmental Technologist with over 20 years of industry experience. She possesses a B.Sc. in Environmental Science and a M.Sc. in Environment and Management. Jubilee's project experience includes environmental advising for the Oil & Gas industry, meeting regulatory and guideline requirements, drilling waste management, releases, sampling and reporting, wildlife and ecology assessments and monitoring, water quality and acquisition, rig and construction advising and monitoring plans. She has also participated in the environmental monitoring for major civil infrastructure construction projects in sensitive habitats regulated by municipal, provincial and federal bodies. Jubilee has performed pre- and post- construction site assessments, environmental field reports, soils assessments and the resource components of environmental impact assessments for major projects. She possesses experience directing the excavation of contaminated soils at industrial sites and is competent with soil and water sampling. Her regulatory experience outside of construction management consists of water application requirements for residential, industrial and agricultural uses and resource development guidelines for crown lands, forestry, wildlife and aquatic resources. Jubilee has worked as a sub-contractor for over 14 years in a variety of industries, focusing on environmental monitoring, wildlife studies, research, and natural resource management and planning.

Professional Experience:

Environmental Advisor, BC – Responsible for ensuring adherence to guidelines and regulations for all aspects relating to oil & gas drilling in northeastern BC associated with drilling operations, drilling waste management, releases and confirmatory sampling, wildlife monitoring and identification, invasive species management and control, water storage, use and monitoring, soil sampling and sump suitability analysis and reporting. Ensured timely and concise reporting for daily visits, weekly summaries, inspection logs and release reports. Ensured and supported efficient and effective communication between drilling, completions, construction and environmental. Responsible for all environmental budgets, invoicing, timelines, and restraints including outside contractor coordination.

Environmental Monitor, BC – Oversaw all environmental aspects for three major highway construction projects which included the replacement of the 300 meter long Donald Bridge over the Columbia River, re-alignment of the Trans-Canada Highway and demolition of old bridge

structure (Trans-Canada Highway Phase 3 West: 4km wall and approaches), and the Trans-Canada Highway Joint Use Vehicle Inspections Station Public Water System. Ensured adherence to CEMP & SDMP for all construction activities. Acted as contractor's representative to ensure the regulatory framework was in compliance with all established procedures, protocols and regulations for construction and demolition within diverse habitats. Performed water quality, wildlife and rare plant monitoring, and modified work procedures as required. Performed archeological site monitoring, wildlife monitoring, and modified work procedures as required. Ensured all reporting for daily visits, weekly summaries, erosion and sediment inspection logs and spill reports were communicated in a concise and timely manner. Responsible for liaising between contractor and regulatory agencies (BCMoT, BCMoE).

Environmental Manager/Monitor, BC – Monitored borehole drilling for water bottling facility. Ensured proper spill response equipment, maintained the required minimum distance from the river and that drilling did not impact the terrestrial or aquatic environment.

Site Remediation/Environmental Advisor, BC – Performed all clean-up and confirmatory soil sampling and reporting post rig release for any spills during the drilling process.

Environmental Manager/Monitor, BC – Monitored and evaluated pre-construction, construction and post-construction operations with respect to the Environmental Protection Plan developed for the operational boundary of the ski resort. Provided strategic advice resort wide on environmental and ecological integrity and sustainability issues. Managed all capital projects and timelines, and managed all financial budgets. Responsible for liaising with various stakeholders, including prime contractor, provincial and federal regulators', subcontractors, and private consultants.

Phase I & II Environmental Site Assessment, AB – Replacement of old AGT at Fairmont Chateau Lake Louise with new AGT. Delineated a soil sampling plan for the site area, directed excavations and collected and submitted soil samples. Used topographic data and previous soil samples to determine contaminated site extent, and assessment reporting. Provided site environmental monitoring and safe work procedures.

Phase I & II Environmental Site Assessment & Remediation, Western Canada – Collected background data and information to determine site assessment. Delineated a soil and surface water sampling program for aqueous hydrochloric acid contaminated site, directed excavations and collected and submitted soil samples. Used topographic data and previous soil samples to determine contaminated site extent. Provided site environmental monitoring and safe work procedures. Used water and soil analysis to determine site condition and assessment. Provided recommendations for soil remediation.

Environmental Impact Assessment, BC – Contributed to the environmental impact assessment and resource use component for a proposed snow cat operation and ski lodge.

Water Quality Sampling, Kelowna, BC – Collected groundwater and surface water samples, and provided interpretation of the laboratory results.

Water Quality Sampling, BC – Monitored backcountry lodge sewage treatment facility, collected discharge and surface water samples, and provided interpretation of the laboratory results. Responsible for permit applications and adherence, acted as regulatory liaison and provided oversight and quality control.

Spill Response Plan and Erosion and Sediment Control Plans, BC – Responsible for the adherence to regulations and guidelines, and to ensure environmental safety and preparedness for spill response for oil & gas and camp/construction lease locations.

Erosion and Sediment Control Plan and Emergency Response Plans, BC – Environmental manager responsible for developing, implementing and monitoring plans related to environmental and safety aspects for a new matting company providing environmental options for oil & gas lease sites, transmission lines, underground and surface works infrastructure projects.

Caribou Mitigation and Wildlife Management Plans, BC – Assisted in the development and revision of caribou mitigation plans and wildlife management plans, monitoring objectives, documenting caribou and wildlife observations and activity.

Invasive Species Management and Control Plan, BC – Assisted in the development of invasive species management plan for drilling locations. This included but was not limited to mapping and identifying invasive species, options for control and management, reclamation, and re-vegetation plans.

Environmental Manager, BC – Researched orphaned grizzly bear cubs by observing; inherent and learned traits, hibernation duration and activities, habitat use and activities, habitat impact and vegetation restoration capabilities, and ongoing dietary needs. Provided strategic advice resort wide on environmental and ecological integrity and sustainability issues. Provided all daily care, monitoring of health, dietary needs, upkeep and husbandry of orphaned grizzly bears on 22 acre habitat. Developed, created, designed and implemented educational interpretive programs. Monitored and evaluated interpretations and guest experiences. Assisted with 8 bear immobilizations and pre/post-dormancy exams.

Forest Health Management, Calgary, AB – Two year Douglas-fir beetle population and pheromone research, assisted with in strategic placement and mapping of traps. Maintained, monitored and sampled traps and assisted in analytical manipulation of collected data using statistics to determine forest management and harvest options.

Blue-Listed Mammal Research & Forest Health Management, BC – Gathered data and researched the effects of logging on wildlife populations. Created wildlife management plans to maximize wildlife habitat and minimize effects of resource extraction.

Blue-Listed Bird Surveys, BC – Conducted Northern Goshawk nest surveys, auditory identification, breeding behaviours and located active nests.

Ungulate Wintering Grounds Research, BC – Conducted vegetation surveys to determine ungulate wintering ranges and create management plans.

Waterfowl Numeration & Habitat Creation, BC – Conducted waterfowl nest surveys, auditory and visual identification, breeding behaviours and located active nests. Built and erected waterfowl habitat at various mountain elevation lakes.

Rare Plant Survey, Golden, BC – Assisted with a rare plant survey and monitoring within a wildlife management area along the Columbia Valley River.

Stream Metering & Monitoring, Western Canada – Determined stream flow baseline date for water licensing, culvert and bridge capacity and flood control.

Water Quality Monitoring, BC – Determined water quality and quantity baseline data for spring, stream & boreholes. Coordinated borehole drilling and oversaw contractor progress. Sampled and analyzed both raw and bottled water quality and monitored raw water flows.

Water Quality Monitoring, Kelowna, BC – Conducted water quality sampling and in-house analysis of drinking water pre and post treatment.

Specialized Education:

BC Area C Spill Response Training
Ground Disturbance Level II
Confined Space H₂S Alive
Emergency First Aid for Industry (OFA Level 1 Equivalent) Level A CPR/AED
Bear Awareness Training
General Oil & Gas Safety Orientation S-100 Certification
Chemical Immobilization Course
FAC & PAL Permits/Licenses
Backcountry Avalanche Training
Snowmobile Safety Training
ATV/UTV Safety Training
WHMIS/TDG/MSDS Certification
Helicopter Safety Training

Professional Experience:

EFI Global - Project Manager
2012 – Present

Corvidae Environmental Consulting Inc. Environmental Monitor
2012 – Present

JRC Environmental Consulting Ltd. Principal Consultant
2012-Present

Golden Environmental Mat Services Inc. - Environmental Specialist/Manager
2013 – 2014

Kicking Horse Grizzly Bear Refuge - Manager
2003 - 2012

Columbia Extreme - Environmental/Forestry Technician
2006 - 2013

JC Environmental Consulting - Principal Consultant
2000 – 2006

University of Calgary - Forestry Health Researcher
2000 – 2001

Naya Inc. - Water & Environment Manager (R&D)
1997 – 1998

Ministry of Environment, Lands & Parks - Stream Metering Technician
1995 – 1996

Education:

M.Sc., Environment & Management
Royal Roads University, 2010

B.Sc., Environmental Science
Royal Roads University, 2000

Technical Diploma, Water Quality Technician; Environmental Monitoring
Okanagan University College, 1996