

GOULD ENVIRONMENTAL

LORNE GOULD, B.Sc., P.Biol.

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An environmental consultant with 20 years experience focusing on environmental projects using strengths in research, analysis, and interpretation, providing clients with imaginative and solid solutions. Expertise in the environmental field completing environmental impact assessments, environmental site assessments (ESAs), risk assessments, health and safety assessments, compliance audits, and hazardous materials assessments. Mr. Gould has conducted environmental assessment projects on oil sands facilities, pipelines, power plants, industrial facilities, and commercial and residential developments.

He has completed several reviews of wildlife impact assessments completed in the oil sands and other regions of Alberta. Additional experience includes wildlife surveys on birds, mammals, fish, invertebrates, and amphibians in all Natural Areas of Alberta. Mr. Gould has managed land/resource use and quality assurance components and led wildlife teams on four environmental impact assessments for development in the oil sands region of Alberta. He has also completed numerous wildlife reports for oil and gas industry in support of pipeline construction, drilling, and seismic surveys.

Lorne has completed avian field work in the pastures located between the Suffield National Wildlife Area and the community of Bindloss. He co-authored a species account for the Chestnut-collared Longspur (Birds of North America) and was involved in the preparation of a COSEWIC species account for the McCown's Longspur.

PROFESSIONAL EXPERIENCE

GOULD ENVIRONMENTAL LTD., Calgary
President/Owner

2003-present

- Completed reviews and provided advice based on the wildlife sections of several environmental impact assessments (EIA) on behalf of the Fort McKay First Nation and Tsuu Tina First Nation.
- Fort McKay representative on Wildlife Task Group of Cumulative Environmental Management Association (CEMA).
- Completed Wildlife Impact Assessment in the Fort McKay Specific Assessment (FMSA) on behalf of Fort McKay First Nation.
- Worked with Alberta Sustainable Resource Development, industry, and Fort McKay First Nation to have moose surveys completed in an oil sands area wildlife management units (530 and 531).
- Completed Wildlife Issues report for Environment Canada on the oil sands region of Canada.
- Completed Wildlife section for permit (EFRs) required for pipelines in northeastern Alberta.
- Completed several Phase I ESAs (assets ranging from \$100,000 to \$6,000,000), reviewed Phase II ESAs, completed peer reviews on environmental reports, and construction permitting.
- Wildlife biologist on construction project, providing advice to mitigate construction impacts on breeding birds.
- Completed small mammal surveys for non-profit group in Red Deer area.

GOLDER ASSOCIATES LTD., Calgary**1994 - 2003*****Environmental Scientist/Wildlife Biologist***

- Conducted breeding bird surveys (point counts, waterfowl surveys and owl surveys) for several environmental impact assessments in the boreal, grassland and mountain areas of Alberta.
- Completed wildlife surveys on two pipelines crossing Alberta. Monitoring was completed to meet the requirements of Alberta Environment and the National Energy Board. Led team of biologists on winter track counts and helicopter surveys to monitor wildlife in oil sands region. Completed project on time and within budget. Confirmed the presence of a large population of an endangered species (woodland caribou), which allowed client to proactively manage project to protect wildlife. AENV and AEUB approved the project.
- Monitored nests of threatened species during pipeline construction in central Alberta. Provided information and advice to Alberta Environment and client. Pipeline construction was able to continue through nesting period without negative impacts to threatened species.
- Managed the QA/QC and land/resource use components and contributed to wildlife component on four environmental impact assessments in the oil sands region of Alberta. Developed protocol and completed audits for health and safety and quality control on field crews. Identified land use conflicts and developed mitigation strategies.
- Completed "migratory bird" awareness course for company operating and constructing pipelines. Purpose of course was to mitigate construction impacts on migratory birds in a variety of habitats.
- Completed wildlife fieldwork and wrote environmental impact assessment (screening level) for laminated veneer lumber facility in northwestern Alberta. Work was completed to meet requirements of the Alberta Environmental Protection Act. Work was completed to satisfaction of the Alberta government.
- Completed wildlife fieldwork and wrote environmental impact assessment for major hotel in a Canadian National Park. Work was completed to meet requirements of the Canadian Environmental Assessment Act. Client received approval from Parks Canada to complete project.
- Completed an environmental assessment on property containing a historic lodge in a Canadian National Park. Project required the review and updating of a previously completed environmental impact assessment.
- Monitored bird species of concern (burrowing owl, ferruginous hawk and northern harrier) during pipeline construction. Monitoring was completed at the request of Alberta Environment and the National Energy Board. Pipeline construction was not delayed and regulators were satisfied.
- Coordinated due diligence project for U.S. Utility Corporation. Assessed and evaluated application documents to Alberta Environment (AENV) and the Alberta Energy and Utilities Board (AEUB) for acquisition of a 50% share of a power plant expansion. Assembled a team of professionals to review the environmental impact assessment. Advised the client with regards to environmental issues and likelihood of AENV and AEUB Approval. The project was approved for construction and operation.
- Managed a team that reviewed and evaluated a draft AENV approval and an AEUB decision for a new coal-fired power plant. Completed a probabilistic assessment of environmental liabilities to assess future operation and closure costs. Identified issues that were potential deal breakers.

- Completed an assessment of environmental performance indicators at an oil sands facility in northern Alberta. Reviewed data collection and reporting procedures of emissions that included greenhouse gases and other controlled substances.

TERRESTRIAL AQUATIC AND ENVIRONMENTAL MANAGEMENT 1993***Project Scientist***

A member of the scientific team completing the environmental and ecological components of an environmental impact assessment on behalf of a forest company in northern Saskatchewan. Completed audits of forested areas that had been replanted by forest companies. Provided input on the audit protocol that was used.

DEPARTMENT OF FISHERIES AND OCEANS, Winnipeg 1991-1992***Contract Scientist***

- Analyzed and prepared several scientific reports on fish stock trends.

WORLD WILDLIFE FUND, Vancouver 1991***Contract Scientist***

- Assessed habitat use of the Common Barn-owl in the lower mainland of British Columbia as part of a conservation plan.

UNIVERSITY OF BRITISH COLUMBIA, Vancouver 1989 - 1990***Biologist***

- Collected data on a long-term biological study on Song Sparrows in Gulf Islands, British Columbia.

WILDLIFE RESCUE ASSOCIATION, Burnaby 1987 - 1988***Biologist***

- Worked rehabilitating injured wildlife for a non-profit organization.

NATIONAL PARKS AND WILDLIFE, Australia 1986***Biologist***

- Volunteered with researchers in New South Wales studying Australian waterfowl, seabirds, mammals and reptiles.

EDUCATION/PROFESSIONAL DEVELOPMENT

- University of British Columbia, B.Sc. (Zoology) 1985
- Southern Alberta Institute of Technology, Certificate
- Applied Environmental Management 1994
- University of Manitoba, Certificate - Quality Management 1998

PROFESSIONAL AND VOLUNTEER AFFILIATIONS

- Alberta Society of Professional Biologists
- Conjoint Health Research Ethics Board (University of Calgary)