

Gerry Naito, MRM, RPBio, CPESC
Senior Biologist/Principal

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EDUCATION

- 1993 MRM, Natural Resources Management - Simon Fraser University.
- 1983 DipIT, Fish, Wildlife, Recreation - British Columbia Institute of Technology
- 1980 BPE, Physical Education and Life Sciences - University of British Columbia.

PROFESSIONAL AFFILIATIONS

- ◆ College of Applied Biology - Registered Professional Biologist #708, British Columbia (since 1994)
- ◆ Certified Professional in Erosion and Sediment Control, CPESC Inc. (since 2005)
- ◆ Member, Association of Professional Biology of BC
- ◆ Member, American Fisheries Society

TECHNICAL QUALIFICATIONS

- ◆ Backpack Electrofishing - Crew Supervisor
- ◆ Occupational First Aid Level 1
- ◆ Swiftwater Rescue Technician
- ◆ Small Vessel Operator Proficiency (SVOP)
- ◆ Wildlife/Danger Tree Assessor Certification (Parks and Recreation Module)
- ◆ Riparian Areas Regulation (RAR) Assessment
- ◆ GPS Field Operator Training

PROFESSIONAL EXPERIENCE

The projects below have been completed by Gerry Naito (Naito Environmental) since 1999.

AQUATIC AND RIPARIAN ASSESSMENT

- ◆ Conducted environmental assessments of approximately 90 proposed docks and moorage facilities on Okanagan Region lakes.
- ◆ Conducted salvage and ongoing monitoring of Rocky Mountain Ridged Mussels at a dock site at Vernon.
- ◆ Conducted baseline aquatic sampling and fisheries impact assessment for three proposed small hydro projects near Revelstoke.
- ◆ Conducted CEAA assessment of a 107-slip marina at Outback Resort on Okanagan Lake at Vernon.
- ◆ Conducted combined CEAA/DFO/Water Act Section 9 assessment of the Cove Resort development on Okanagan Lake in West Kelowna, including a four storey building (150 units), gravel beach, waterfront walkway, 50-slip marina, and fish compensation habitat.
- ◆ Conducted multi-purpose assessment (CEAA, fisheries, municipal) of a 23-slip floating moorage facility on Okanagan Lake at Kelowna.
- ◆ Conducted 5 years of benthic invertebrate sampling on Gagney Creek, an upper Shuswap River tributary, to assess aquatic impacts of a diesel spill.
- ◆ Assessed effects of flow reduction on fish and fish habitat in Ledge Creek near Revelstoke in relation to hydroelectric development.
- ◆ Conducted environmental assessments, including some Riparian Areas Regulation (RAR) assessments, of numerous proposed residential lot developments (including houses, stairways, and trams) on Okanagan ravines or lakeshores.
- ◆ Conducted environmental assessments of flood protection works on Osoyoos, Penticton, and Okanagan Indian Reserves.

- ◆ Conducted fisheries impact assessment and provided environmental design input for proposed upgrades to three sections of Trans Canada Highway near Revelstoke.
- ◆ Conducted fish sampling on Howser and East Creeks (Duncan River/Lake tributaries) in relation to proposed hydroelectric development.
- ◆ Conducted analysis of daily flow data in relation to proposed irrigation withdrawals to assess potential effects on fish and fish habitat in Sinclair Creek at Radium Hot Springs.
- ◆ Conducted environmental impact assessment and mitigation planning for residential subdivision development of a 92 ha lakefront property in Kelowna, including aquatic and terrestrial studies and visual impact analysis.
- ◆ Conducted environmental inventory and developed impact mitigation and compensation measures for Mission Recreation Park in Kelowna.
- ◆ Collected field data and completed fisheries impact assessment of proposed gas pipeline crossing of Elk River near Fernie.
- ◆ Represented Okanagan Nation Fisheries Commission at a site visit of a proposed 20 MW hydroelectric project on the Kettle River near Christina Lake.
- ◆ Conducted fish sampling and habitat assessment on Gagney Creek, an upper Shuswap River tributary, to assess potential impacts of a proposed micro-hydroelectric development.
- ◆ Conducted fish passage culvert inspection procedure (FPCI) at 75 stream crossings in upper Spillimacheen River drainage.
- ◆ Conducted fish passage culvert inspection (FPCI) planning for area equivalent to thirty 1:20,000 TRIM map sheets in upper Columbia and Kootenay River watersheds near Radium Hot Springs.
- ◆ Provided technical expertise, field support, data analysis, and report preparation for the fisheries component of a water licence application for a proposed 25 MW hydroelectric project on the upper Mamquam River near Squamish.
- ◆ Provided technical support to Stl'atl'imx First Nation at Lillooet on fisheries issues related to impacts of hydroelectric development; Reviewed and summarized existing fisheries data for the Bridge and Seton watersheds in relation to impacts of hydroelectric development.
- ◆ Collected pre- and post fish, benthic invertebrate, and riparian vegetation data in relation to discharge of mine wastewater to a tributary of Trepanier Creek near Peachland.
- ◆ Collected fish samples and population data for monitoring effects of mine water discharge into Johnson Creek east of Barriere.
- ◆ Conducted standing stock assessment fish sampling at 13 sites on the Bridge River, using 4-pass removal electrofishing within stopnet enclosures.
- ◆ Prepared research brief on considerations related to providing selective upstream fish passage for sockeye salmon to Okanagan Lake.
- ◆ Prepared a review of fish resources in the traditional territory of the Okanagan Nation as a basis for eventual completion of an Okanagan Nation Fisheries Management Plan.
- ◆ Made a presentation to Stl'atl'imx First Nation youth to demonstrate aspects of a fish biologist's job.
- ◆ Prepared a funding proposal for development of a freshwater commercial fishery based on non-native species in the south Okanagan.

ENVIRONMENTAL APPROVALS AND/OR MONITORING _____

- ◆ Monitored water quality during canal dredging at Westside Cays, West Kelowna.
- ◆ Monitored improvements to boat launch improvements at Kekuli Bay Provincial Park, including pile installation and concrete pour.
- ◆ Conducted monitoring (fish, vegetation survival, water quality) of fish compensation habitat at several sites on North Thompson River and tributaries.

- ◆ Helped design fish habitat impact mitigation measures, supervised habitat construction, and conducted environmental monitoring for several culvert replacements on Vernon Creek and BX Creek in Vernon.
- ◆ Environmental approval and monitoring for flood routing channel on Okanagan Indian Reserve.
- ◆ Water Act Section 9 Approval extension, habitat protection advice, and environmental monitoring of sediment removal from water intake pond on Upper Vernon Creek, District of Lake Country.
- ◆ Environmental monitoring and approval applications (Water Act Sections 8 and 9 and Navigable Waters Protection Act) for gas pipeline crossing of Deadman River near Savona.
- ◆ Environmental monitoring and approval applications (Water Act Sec. 9 and DFO HADD) for wetland development and construction activity at Mission District Park in Kelowna.
- ◆ Monitored sewer line installation along Wood Lake, three sewer line crossings of Middle Vernon Creek, and culvert replacement on Winfield Creek in Lake Country.

HABITAT REHABILITATION

- ◆ Conducted extensive additions of large woody debris and planted 1,130 trees and shrubs at habitat compensation sites on Louis Creek and Raft River in the North Thompson River drainage during 2009-2012.
- ◆ Conducted baseline fish and fish habitat studies and worked with engineer to develop habitat enhancement measures for a 1.3 km section of Whatshan River near Needles-Fauquier during 2006-2008, implemented enhancement measures at 31 sites in 2009, and conducted post-construction fish population monitoring in 2010, 2012, and 2015.
- ◆ Conducted a fish and fish habitat assessment and designed and implemented measures to improve fish passage and habitat complexity in Sinclair Creek at Radium Hot Springs.
- ◆ Designed measures to improve fish passage and habitat complexity in Hospital Creek at Golden.
- ◆ Conducted assessment of opportunities for off-channel habitat rehabilitation along Coldwater River near Merritt.
- ◆ Designed and implemented measures to increase instream habitat complexity, establish riparian vegetation, and restore channel stability over several kilometers of Mill Creek in Kelowna.
- ◆ Designed and implemented mitigation measures for urban encroachment on Middle Vernon Creek in District of Lake Country, including rock placement and riparian planting.
- ◆ Designed and implemented fish passage restoration prescriptions at five culvert sites in the East Kootenay Region on tributaries of the Upper Columbia and Kootenay rivers.

EMPLOYMENT HISTORY

- 1999 - present: **Naito Environmental**
 Senior Biologist/Principal
- 1997 - 1998: **Summit Environmental Consultants Ltd., Vernon, BC**
 Senior Fisheries Biologist
- 1995 - 1997: **Pottinger Gaherty Environmental Consultants Ltd., Vancouver, BC**
 Senior Fisheries Biologist
- 1991 - 1995: **Sigma Engineering Ltd., Vancouver, BC**
 Fisheries Biologist/Senior Fisheries Biologist
- 1989 - 1991: **Simon Fraser University**
 (graduate student)
- 1983 - 1988: **D.B. Lister & Associates, Clearbrook, BC**
 Biological Technician
- 1983 (summer) **International Pacific Salmon Fisheries Commission (New Westminster)**
 Biological Technician
- 1982 - 1983: **Seymour River Fish Hatchery (North Vancouver, BC)**
 Biological Technician