



Education

NSERC Post Doctoral Fellow, Simon Fraser University, Burnaby, BC

Ph.D. York University, Toronto, Ontario, 1990

M.Sc. York University, Toronto, Ontario, 1987

B.Sc. University of Guelph, Guelph, Ontario, 1982

Golder Associates Ltd. – Burnaby

Employment History

Golder Associates Ltd. – Burnaby, BC

Senior Biologist – Environmental Assessment Specialist, Associate (2009) (2006 to Present)

Responsible for managing environmental, fisheries and habitat projects, small- and large-scale multi-disciplinary assessment projects under international, federal, provincial and municipal environmental assessment legislation and regulatory approvals. Environmental lead and biologist for environmental impact assessment projects, environmental investigations and fisheries, fisheries habitat restoration and compensation, environmental, sustainability and climate change input on a variety projects. Teaching and education responsibilities in restoration at the University of Victoria; graduate student supervision at UVic and RRU. Lecturer at post-secondary institutions, agencies, community, and First Nation groups. Peer reviewer and author in print media and journals. Communication specialist, educator, and trained facilitator.

Fisheries and Oceans Canada – Vancouver, BC

Coordinator Climate Change Adaptation, Fisheries Biologist (2002 to 2006)

Under contract, managed, coordinated, and conducted large freshwater, marine, and terrestrial based environmental and fisheries projects, including focus on BC salmon stock and habitats. Coordinated and managed office and projects on climate change and fisheries issues for the national aquatic resource sector.

Pacific Research Solutions Ltd. – Nanaimo and Vancouver, BC

Principal, Senior Biologist (1996 to 2007)

Managed and led environmental assessment projects, including coastal and resource management plans, fisheries assessments, environmental audits and site assessments, and compensation and restoration projects.

Northwest Ecosystem Institute – Nanaimo and Vancouver, BC

Executive Director, Senior Biologist (1995 to 2007)

Managed and coordinated research institute office and broad of directors, funding, and projects, including coastal and resource planning and restoration, and fisheries projects, and First Nations consultations.

Fisheries and Oceans Canada – Nanaimo and Vancouver, BC

Fisheries Scientist and Project Manager (1993 to 1995)

Conducted large fisheries assessment and management projects across BC on salmon and pelagic fisheries, habitat management and enhancement.

Triton Environmental Ltd. – Richmond, BC

Environmental Specialist, Biologist (1992 to 1993)

Ontario Ministry of Natural Resources – Maple and Chatham, ON

Fisheries Biologist, Restoration and Resource Inventory Specialist (1983 - 1986)



PROJECT EXPERIENCE – ENVIRONMENTAL ASSESSMENT

- Fisheries and Oceans Canada**
Vancouver, BC
Project biologist for written strategy and tools to monitor salmon watershed health as a component of the DFO's Wild Salmon Policy, Habitat Strategy 2.
- City of Surrey**
Surrey, BC
Environmental lead and senior biologist for environment assessment and regulatory permitting in Mud Bay, Cloverdale and south Surrey to meet regulatory FREMP and DFO requirements and construction of emergency dike repairs, land development and bridge infrastructure through planning, design and construction of compensation habitats.
- Minera Panama**
Panama City, PA
Senior marine fisheries scientist for baseline, impact assessment and marine habitat management for development of mine port facility on Mosquito Coast of Panama.
- Port of Montreal and Moffatt and Nichol**
Montreal, QC
Environmental lead for environmental assessment submissions (2) and review under CEAA for port, land and water transportation facility upgrades and expansion as part of a design engineering team for 2 large sections of the Port of Montreal.
- Pacific Fisheries Resource Conservation Council**
Vancouver, BC
Fisheries science advisor to council for 2006 to 2008 period. Activities including participation in council review and input into fisheries projects across BC and the Pacific Northwest including review of salmon fisheries, pelagic and trawl fisheries, aquaculture, stock assessment, habitat and fisheries conservation, consultation, and climate change issues.
- BURNCO Rock Products**
Abbotsford, BC
Environmental assessment manager and senior fisheries biologist for an environmental assessment and permitting, and operation of a large sand and gravel aggregate pit, marine port facility, habitat compensation and associated infrastructure in southern BC as part of comprehensive, harmonized review submissions under CEAA/BCEAA.
- Metro Vancouver (Greater Vancouver Regional District)**
Vancouver, BC
Environmental lead and project manager for the Coquitlam Ultraviolet Disinfection project to investigate potential environmental constraints, pre-design planning, remediation, mitigation, and fisheries compensation strategies where required, and environmental audit and management plans for the construction process as part of the environmental assessment submissions to CEAA.
- Southern Railway**
Lower Mainland, BC
Environmental lead and project director for the Southern Railway track twinning as part of an environmental assessment to investigate potential environmental constraints, environmental conditions, mitigation and fisheries compensation strategies where required, and environmental audit as part of the environmental assessment submissions to CEAA.
- Pacific Salmon Foundation**
Vancouver, BC
Senior fisheries scientist and facilitator for proceedings on mountain pine beetle threats to BC salmon and habitats.



BC Ministry of Transportation Lower Mainland, BC	Environmental manager for options analysis, environmental assessment, and permitting for a Highway 1 truck-climbing lane as part of the environmental submissions to <i>CEAA</i> .
Fisheries and Oceans Canada Vancouver, BC	Senior biologist and participating author for preparation of reporting on an integrated salmon chapter for the Pacific North Coast Integrated Management Area of BC.
Katabatic and Northwest Power Vancouver, BC	Senior biologist and fisheries and fish habitat lead for a environmental assessment and permitting, and operation of a large wind power project, marine port facility, habitat compensation and associated infrastructure in north coast BC as part of comprehensive, harmonized review submissions under <i>CEAA/BCEAA</i> .
BC Ministry of Transportation Lower Mainland, BC	Senior biologist and manager for field assessment and review of critical fish and wildlife passage and culvert crossings assessment and improvement plan in the Highway 1 corridor as part of the environmental assessment submissions to <i>CEAA/BCEAA</i> .
Nuu- chah-nulth Tribal Council, Tla-o-qui-aht First Nation Tofino, BC	Senior fisheries biologist for managing and coordinating a series of multi-discipline fisheries and habitat projects across Clayoquot Sound.
Metro Vancouver (Greater Vancouver Regional District) Vancouver, BC	Environmental manager for the environmental assessment and review, planning, and regulatory permitting as part of design and construction for the Barnston Pump Station.
Fisheries and Oceans Canada Ottawa, ON	Biologist and lead author for State of Knowledge on Aquaculture in Canada on interactions between aquaculture facilities and farmed fish with wild fish and natural ecosystems.
Metro Vancouver Vancouver, BC	Senior environmental lead for the preparation of the environmental management plan, aquatic habitat and fisheries environmental review, planning, and audit as part of Port Mann Water Supply Tunnel design, engineering and construction team. Habitat compensation planning and permitting through FREMP and VFPA.
Port of Montreal, Moffatt and Nichol Montreal, QC	Sustainability lead to scope framework and development performance indicators for the planning and design process for port transportation and shipping expansion.
TransLink Richmond, BC	Project manager and environmental lead for environmental assessment of land and infrastructure development for a new transit bus centre in Richmond.
TransLink Maple Ridge, BC	Project manager and environmental lead for environmental assessment and pre-load construction of transportation and infrastructure development (heavy vehicle maintenance for TransLink in District of Maple Ridge adjacent to the Golden Ears Bridge.



**BC Ministry of
Transportation**
Lower Mainland, BC

Environmental lead and senior biologist/author of the aquatic habitat and fisheries effects assessment and resource inventory for a large-scale highway and bridge construction and upgrade project (Port Mann Highway 1) in the Lower Mainland as part of the harmonized environmental assessment submissions to *CEAA/BCEAA*.

**British Columbia
Transmission
Corporation**
Coquitlam to Merritt, BC

Senior team author tasked with writing and reviewing the Environmental Assessment Certificate (EAC) application and discipline-specific reports for the proposed new 500 kV transmission line from the Nicola Substation to Coquitlam as part of the environmental assessment submissions to *CEAA/BCEAA*. Senior Biologist participating in the preferred route alignment selection and EAC application effects of the environment on project and cumulative effects.

SELECTED PUBLICATIONS AND CONTRIBUTIONS

Johannes, M.R.S. 2011. Pacific salmon resources in Northern British Columbia and Yukon Transboundary Rivers: Pacific Fisheries Resource Conservation Council. 71p.

Johannes, M.R.S. 2008. What's happening to wild salmon in your community: What the council heard. Interior Public Meetings. Pacific Fisheries Resource Conservation Council. 22p.

Hyatt, K.D., M.R.S. Johannes, and M.M. Stockwell. 2007. Pacific Salmon – Appendix I, 58p: In Volume One: Status and Trends, Ecosystem Overview, Pacific North Coast Integrate Management Area (PNCIMA) Fisheries and Oceans Canada, Vancouver, BC. Can. Tech. Rep. Fish. Aquat. Sci. 2667.

Johannes, M.R.S. 2006. Trophic interactions between finfish aquaculture and wild marine fish. p.104-132. In: Fisheries and Oceans Canada 2006, A scientific review of the potential environmental effects of aquaculture in aquatic ecosystems. Can. Tech. Rep. Fish. Aquat. Sci. 2450.x+138p.