

Hydropower



Trinity Consultants Canada is a leading environmental consultancy that brings together trusted advisors, scientists and engineers to help clients solve their most complex challenges. With deep local roots and the strength of a global organization, Trinity Consultants Canada delivers innovative, scientifically sound and future-ready solutions that help industry, government and Indigenous Communities navigate complex regulatory landscapes, secure project permits and approvals to achieve better environmental outcomes. They are internationally respected leaders with decades of proven expertise in Water & Ecology, Environmental Health and Safety (EHS), Built Environment and Life Sciences.

Our Water & Ecology teams are recognized leaders in environmental assessment, permitting and monitoring, offering key services to sectors including renewables, mining, ports and terminals, marine shipping, linear development, liquefied natural gas (LNG), ecological restoration, municipal wastewater, energy, and forestry.

Ecofish Research, a Trinity Consultants team, is a national leader in the hydropower industry with extensive experience in guiding regulators to improve the effectiveness of environmental assessment methods and compliance practices. We have authored landmark documents for the Canadian Electrical Association and the Department of Fisheries and Oceans Canada, publications that guide the industry on the key issues such as instream flows and compliance monitoring. We have provided strategic advice on permitting and technical services for over 150 projects, building a reputation as problem solvers who can be relied on to do the job right the first time.

Our team offers key environmental services to our hydropower clients, including fish passage design, instream flow assessment, water quality modelling and assessment, compliance and effectiveness monitoring, and mitigation and offsetting prescriptions. We represent our clients in stakeholder meetings, open houses, regulatory seminars, CEAA hearings, and serve as expert witnesses in court cases. Our breadth of project experience covers all types of hydropower projects (run-of-river, storage, pumped-storage, low and high head), from steep small streams in British Columbia to the world's largest rivers in Brazil.

Our Services

- Baseline Data Collection, Environmental Assessment, Permitting, and Mitigation
- Construction Environmental Management Planning and Monitoring



- Environmental Compliance and Effects Monitoring
- Water Resources Engineering
- Fish Passage
- Habitat Offset and Restoration
- Planning and Adaptive Management

CONTACT OUR TEAM!

For more information about how we can help your organization, please contact us.

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