

Ecofish Research Ltd.

Canadian Environmental Management and Monitoring Firm



Jayson Kurtz | Project Director
Discipline Lead, Construction Environmental Mgmt.

- Email: jkurtz@ecofishresearch.com
- Phone: (250) 635-3056
- Office: Terrace



Tom Hicks | Senior Project Manager, Fisheries Biologist

- Email: thicks@ecofishresearch.com
- Phone: (250) 480-0050
- Office: Victoria



Our Key Differentiators

Expertly Applied
Science

Trusted
Relationships

Environmental
Assessment
Expertise

Breadth of Services

Distributed Across Canada



Environmental Professionals

- Independent Environmental Monitors
- Environmental Management Specialists
- Environmental Technicians
- GIS and Statistical Analysts
- Project Managers
- Biologists
- Restoration Specialists
- Engineers
- Geomorphologists
- Hydrologists
- Foresters
- Chemists

Sectors & Clients

Power	      
Infrastructure/Transportation	          
Oil & Gas	     
Mining	   
Marine	   
Government	          
Indigenous Groups	     
Academia & Institutions	    
Non – Profits	    

Consulting Partners

- Proven success integrating sub-consultants to complete projects
- Proven success being integrated as a sub-consultant
- Strong team of Project Managers to ensure quality and success
- Partners with complimentary services, and partners with overlapping services



Indigenous Groups

Consultation, Relationships, Capacity Building

- **Relationships with > 30 Indigenous Groups**
- **Our clients, consultants, and employees**
- **Consultation and engagement**
- **Capacity building and training**
- **Meaningful opportunities and benefits**

Fish and Fish Habitat

- **Habitat Assessment**
- **Offsetting & Restoration**
- **Salvage & Relocation**
- **Population Monitoring**
- **Fish Passage Design & Monitoring**



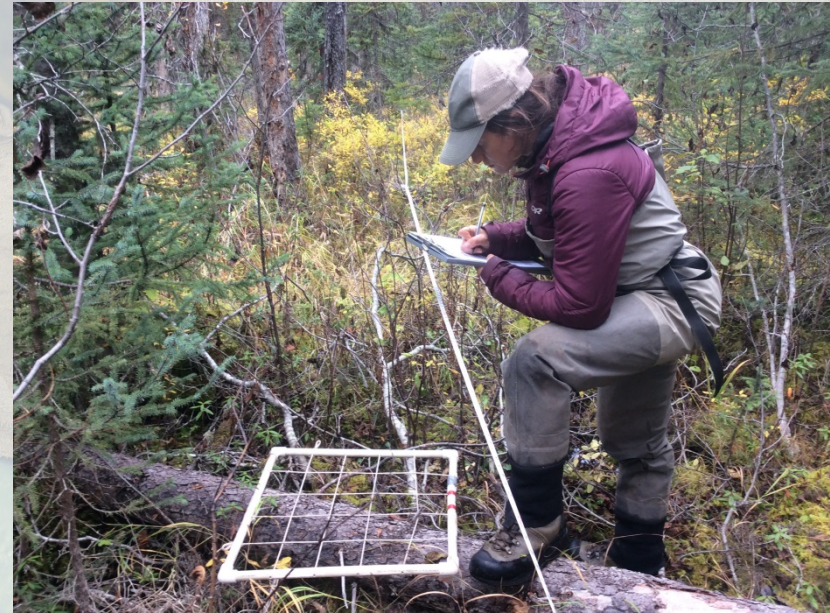
Water Quality & Aquatic Ecology

- **Turbidity**
- **Water Chemistry**
- **Water Temperature**
- **Aquatic Toxicology**
- **Limnology**
- **Invertebrates**



Wetland Science

- **Delineation & Classification**
- **Function Assessments**
- **Vegetation & Hydrology**
- **Impact Monitoring**
- **Restoration & Offsetting**



Environmental Flow Needs

- **Instream Flow Studies**
- **Science of Ramping**
- **Ramping Response**
- **Connectivity Assessment**



Water Resources Engineering

- Flow Measurements
- Geomorphology
- Hydraulic Modelling
- Hydrological Data Collection Standards



Marine Science

- Underwater Noise Effects Assessment & Monitoring
- Marine Mammal Science
- Marine Mammal Monitoring
- Eelgrass Surveys
- Dredging Water Quality



Terrestrial and Wildlife

- **Species Assessments**
- **Population Studies**
- **Habitat Assessment**
- **Ecosystem Mapping**
- **Habitat Restoration**



Spatial Analysis & Technology

- GIS Analysis
- Mapping
- GPS Surveying
- UAV/ROV Technology



Data Analysis & Experimental Design

- **Statistical Design and Power Analysis**
- **Mathematical Modelling**
- **Quality Assurance Procedures**



Project Management

- **Client Communication**
- **Budget & Schedule Mgmt.**
- **Project Controls**
- **Task Management**
- **Coordination**
- **Technical & Project Oversight**



Environmental Assessment and Permitting

- Baseline data
- Effects Assessments
- IAC (CEAA), BCEAA, harmonized, VFPA, YESAA & other jurisdictions
- *Fisheries Act* Authorizations
- Water, Fisheries, & Wildlife Permits
- Land Tenure
- Indigenous, Regulatory, and Stakeholder Consultation

**Baseline
Conditions** **+** **Engineered
Design &
Construction** **+** **Mitigation**

= Approval and Permits



Project Design

- Collaborate w/ engineering and construction teams to optimize design.
- Integrate environmental components, regulatory requirements, and effective mitigation measures.
- Identify innovation, risk management, and cost reduction strategies.



Construction Environmental Management

- Environmental Mgmt. Planning
- Construction Monitoring
- Erosion & Sediment Control
- Independent Environmental Monitoring (IEM)
- Compliance Management & Auditing

