

**ONTARIO WATERPOWER
ASSOCIATION – REQUEST FOR
QUALIFICATIONS**

SUBJECT MATTER EXPERT
FISH SAMPLING



July 9, 2014

ONTARIO WATERPOWER ASSOCIATION – REQUEST FOR QUALIFICATIONS

Fish Sampling Expertise

July 2014

Ryan Park B.Sc. Aquatic Ecologist		
Individual Name	Contact Information	Member of Waterpower Association
Ryan Park Ryan.Park@stantec.com	Stantec Consulting Ltd 70 Southgate Drive, Suite #1 Guelph ON N1G 4P5 Phone: (519) 836-6050 Fax: (519) 836-2493	✓
Description of Expertise & Experience		
<p>Fish Sampling Expertise (max 100 words)</p> <p>Ryan has conducted numerous aquatic and fisheries sampling programs across North America assessing fish population densities, diversities and distribution. He is primarily responsible for all aspects of field program implementation and has expertise in fish identification, fish community surveys, mark and recapture surveys, spawning/redd surveys, angler surveys, fish tissue collections (using lethal and non-lethal methods), and supporting data collection including water and sediment quality. Ryan also conducts data analyses, reporting, and quality control in the lab and field. Ryan's ability to think outside the box provides invaluable input during the study design and implementation phase of all fisheries management projects.</p>		
<p>Hydroelectric Sector Experience (max 100 words)</p> <p>Ryan has directed field crews in numerous aquatic monitoring studies for the Hydroelectrical Power sector throughout Canada and the USA. He has worked on a range of projects from baseline data collection for newly developed and expanding facilities to post-construction monitoring of existing facilities. Ryan's specific waterpower experience includes fisheries studies conducted for the Lake Gibson Generating Station (Thorold, Ontario), DeCew II Generating Station (St. Catharines, Ontario), Yellow Falls Hydroelectric Project (Smooth Rock Falls, Ontario), and Wateree River Generating Station (Lugoff, South Carolina).</p>		

* denotes projects completed with other firms

Ryan has over 10 years of environmental consulting experience as an aquatic ecologist. He has worked for a variety of industry sectors including waterpower, mining, aggregates, pulp and paper, oil and gas, renewable energy, and land development. His specific areas of expertise include Environmental Impact Studies (EIS), Environmental Effects Monitoring (EEM), fish and fish habitat, as well as during- and post-construction monitoring and the *Fisheries Act* authorization process. Ryan is proficient with agency negotiation, and has liaised with all levels of government (municipal, provincial and federal).

Ryan is an experienced field crew leader and has developed and completed several multi-year surface water, aquatic macroinvertebrate and fisheries monitoring programs. His expertise includes the capture, handling and identification of freshwater fish, including Species at Risk. In addition, Ryan has on-site experience at remote sites across Canada, where access can only be gained via helicopter, ATV, boating and/or hiking.

EDUCATION

B.Sc. (Honors), University of Guelph / Ecology,
Guelph, Ontario, 2001

Pleasure Craft Operator, Toronto, Ontario, 2005

Class 1 Electrofishing Certificate / Ministry of
Natural Resources, Waterloo, Ontario, 2010

Ontario Fish Identification Workshop / Royal
Ontario Museum, Toronto, Ontario, 2003

Ontario Freshwater Mussel Identification
Workshop / Fisheries and Oceans Canada –
Canada Centre for Inland Waters, Burlington,
Ontario, 2007

MTO/DFO/OMNR Fisheries Specialist Protocol
Training, Downsview, Ontario, 2006

St. John Ambulance / First Aid and CPR, Guelph,
Ontario, 2013

PROJECT EXPERIENCE

Hydropower Projects

Canadian Hydro - Yellow Falls Hydroelectric
Project, Environmental Baseline Study, Smooth
Rock Falls, Ontario (Aquatic Ecologist / Field
Crew Leader)

Duke Energy - Wateree River Fisheries Study,
Lugoff, South Carolina (Fisheries Biologist / Field
Crew Leader)

Ontario Power Generation - Lake Gibson Angler
Survey, Thorold, Ontario (Aquatic Ecologist /
Project Manager)

Ontario Power Generation - Lake Gibson
Contaminant Monitoring Study, Thorold, Ontario
(Aquatic Ecologist / Project Manager).

Ontario Power Generation - Ogoki River Habitat
Study, Ogoki River, Ontario (Aquatic Ecologist)

Fisheries Management

Chemtura - Canagagigue Creek Biomonitoring,
Elmira, Ontario (Fisheries Crew Leader / Project
Manager)

Eurocan Inc. - Fish Tainting Study, Kitimat, British
Columbia (Fisheries Biologist / Field Crew Leader)

Hudbay Mining Inc. - Environmental Effects
Monitoring (EEM) Biological Monitoring Studies
from 2002 to 2011, Flin Flon and Snow Lake,
Manitoba (Aquatic Ecologist / Field Crew
Leader)

Municipal Sewer Forcemain Crossing of the
Credit River, Glen Williams, Ontario (Aquatic
Ecologist)

Municipal Road Crossings of 14 Mile Creek,
Environmental Impact Statement, Oakville,
Ontario (Aquatic Ecologist)