

**ONTARIO WATERPOWER
ASSOCIATION – REQUEST FOR
QUALIFICATIONS**

SPECIES EXPERTISE
REGULATION 242/08

Endangered Species Act



September 30, 2013

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Species Expertise – Regulation 242/08 – Endangered Species Act

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Mark C. Pomeroy B.Sc. Fisheries Biologist / Project Manager			
Species name	Individual Name	Contact Information	Member of Waterpower Association
Lake Sturgeon <i>Acipenser fulvescens</i>	1. Mark Pomeroy mark.pomeroy@stantec.com	Stantec Consulting Ltd 70 Southgate Drive, Suite #1 Guelph ON N1G 4P5 Phone: (519) 836-6966 Fax: (519) 836-2493	✓
Mollusks (e.g. Wavy-rayed Lampmussel, <i>Lampsilis fasciola</i>)			
Description of Expertise & Experience			
<p>Relevant Species / Grouping of Species for which they seek to be recognized as a subject matter expert (max 100 words)</p> <p>Lake Sturgeon - Mark has working experience with Lake Sturgeon through the development and implementation of a large-scale baseline sampling program on the Mattagami River and contribution to the associated impact assessment report. Mark has also worked closely with the MNR to acquire approvals under the <i>Endangered Species Act</i> (ESA) for other fish species in Ontario.</p> <p>Mollusks – Mark has significant working experience with many species of mollusks through acquisition of permits under Ontario Regulation 242/08 of the <i>Endangered Species Act</i> and implementation of Fisheries and Oceans Canada’s (DFO’s) “Protocol for the detection and relocation of freshwater mussel species at risk in Ontario-Great Lakes Area”. He has coordinated and participated in five projects involving sampling or relocation of freshwater mussel species at risk, such as Wavy-rayed Lampmussel (<i>Lampsilis fasciola</i>), Rainbow (<i>Villosa iris</i>), Mapleleaf (<i>Quadrula quadrula</i>), and Kidneyshell (<i>Ptychobranchnus fasciolaris</i>). Mark’s training includes DFO’s Ontario Freshwater Mussel Identification workshop, which focuses on mussel species at risk.</p>			
<p>Development and implementation of mitigation, effects monitoring and effectiveness monitoring plans (max 100 words)</p> <p>Mark contributed to the development of mitigation, effects monitoring, and effectiveness monitoring for Lake Sturgeon, for a proposed hydroelectric dam on the Mattagami River.</p> <p>He developed mitigation measures and monitoring plans for freshwater mussels for five projects that include bridges, watercourse crossings for sanitary sewer installation, ferry dock installation, and pipeline repairs. His mitigation plans resulted in acquisition of Letters of Advice under the ESA. The effects monitoring and effectiveness monitoring plans were carried out under Ontario Regulation 242/08 using DFO’s “Protocol for the detection and relocation of freshwater mussel species at risk in Ontario-Great Lakes Area.”</p>			
<p>Hydroelectric Sector (max 100 words)</p> <p>Mark has planned, coordinated and assisted with implementation of a large-scale baseline sampling program on a reach of the Mattagami River to assess the size and health of a Lake Sturgeon population. He used data gathered from the sampling program to contribute to mitigation and compensation planning for a proposed hydroelectric dam. Mark also participated in the collection of baseline data on the Otonabee River at Locks 24 and 25 for a proposed hydroelectric installation at the existing dams.</p>			

Mark has 13 years of experience designing, coordinating, and implementing small and large scale aquatic habitat and impact assessments, encompassing numerous habitat types including lakes, ponds, large rivers, warmwater and coldwater streams. Mark has also developed and implemented many monitoring, mitigation, compensation and inventory processes involving species at risk fish and mollusks. He has extensive experience involving permitting and issues resolution related to the federal *Species at Risk Act* and the provincial *Endangered Species Act*.

EDUCATION

Honours B.Sc. (Agriculture), University of Guelph / Natural Resources Management, Guelph, Ontario, 2000

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

Royal Ontario Museum / Freshwater Fish Identification Course, Toronto, Ontario, 2011

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

Fisheries Assessment Specialist and Fisheries Contracts Specialist, MTO/DFO/OMNR Fisheries Protocol Course, Downsview, Ontario, 2006

PROJECT EXPERIENCE

Yellow Falls Hydroelectric Project, Smooth Rock Falls, Ontario (Aquatic Biologist)

Planned, coordinated and assisted with execution of fisheries field program to assess potential impacts of proposed hydroelectric dam project. Facilitated acquisition of permits and approvals from relevant agencies. Assisted with fish, benthos, habitat, water and sediment sampling. Authored significant portions of the technical appendix related to aquatic study results, impact assessment, mitigation recommendations and compensation recommendations.

Replacement of Coutts Line Bridge over Baptiste Creek, Tilbury, Ontario (Aquatic Biologist)

Facilitated acquisition of provincial Endangered Species Act (ESA) approval (letter of advice) through provision of advice regarding construction techniques. Planned, coordinated and conducted field investigations to assess freshwater mussel community and habitat at bridge site.

Replacement of Dawn Mills Bridge over Sydenham River Creek, Dresden, Ontario (Aquatic Biologist)

Dawn Mills Bridge is located over a reach of the Sydenham River known to contain one of the largest number of taxa of federally regulated Species at Risk fish and mussels in Canada. Facilitated acquisition of federal approvals (Fisheries Act and Species at Risk Act, letter of advice) through provision of advice regarding construction techniques. Planned, coordinated and conducted field investigations to assess freshwater mussel habitat at bridge site.

Detroit Windsor Truck Ferry Improvements (Contract Administration) (WP 3071-06-00), Windsor, Ontario (Aquatic Biologist)

Construction monitoring services related to Fisheries Act implications (fish removals, species at risk identification training for contract staff, staging and implementation design review), provision of advice regarding alternative staging/construction operations to prevent impacts to aquatic habitat/organisms. Issues resolution related to mollusk Species at Risk.

Medway Sanitary Trunk Sewer Extension, London, Ontario (Aquatic Biologist)

Drafted Fisheries Act application and Endangered Species Act application for pipeline crossing of Medway Creek. Coordinated and completed aquatic habitat assessment and relocation of freshwater mussels. Negotiated compensation measures prior to project design change, resulting in no HADD.

Enbridge Integrity Dig, Birr, Ontario (Aquatic Biologist)

Drafted federal Species at Risk Act permit application and registration documents under Section 23 of the Endangered Species Act for pipeline repairs within the bed of Medway Creek. Coordinated aquatic habitat assessment and relocation of freshwater mollusks.