

Qualifications Required

Respondents to this RFQ must:

1. Respond as an individual;

- I am responding to this request for qualifications as an individual

2. Be a member or be employed by a member of the Ontario Waterpower Association;

- SNC-Lavalin is a member of the OWA

3. Provide a description of their expertise and experience with the relevant species/grouping of species for which they seek to be recognized as a subject matter expert (max 100 words);

- Experience surveying for Lake Sturgeon including spawning surveys in several locations in Ontario;
- Conducted habitat assessments;
- Developed and recommended monitoring plans for Lake Sturgeon;
- Experience using protocol as prescribed by the Ministry of Natural Resources (MNR) for detection of aquatic Species at Risk;
- Experience prescribing mitigation efforts to reduce impacts of project works on Lake Sturgeon;
- Experience with provincial and federal Species at Risk permitting.

4. Provide a description of their expertise and experience in the development and implementation of mitigation, effects monitoring and effectiveness monitoring plans (max 100 words);

- Experience developing mitigation and effects monitoring for Lake Sturgeon in northern Ontario and Northwest Territories for hydro power projects;
- Design and implementation of compliance and effectiveness monitoring for recommended mitigation measures in a variety of projects (ie. Roads, hydro power);
- Environmental impact assessment (including monitoring plan and preliminary mitigation measures) for the development of a run of the river dam in northwest Ontario (Windigo River) and Northwest Territories (LaMartre River and Snare River);
- Effectiveness monitoring of mitigation strategies in watercourses/waterbodies.

5. Provide a description of their expertise and experience in the hydroelectric sector (max 100 words); and

- Conducted baseline biological studies as a component of an Environmental Assessment for the construction of a run of the river facility on the Windigo River;
- Impact assessment and development of detailed mitigation measures for the potential effects of ramping, lower water levels and the temporary and permanent displacement of habitat on aquatic species and aquatic species at risk (Lake Sturgeon) for several hydro-electric developments in Ontario and Northwest Territories.

6. Provide curriculum vitae of direct relevance to the above criteria (max 1 page).

- Attached.



Aquatic and Avian Ecology

EDUCATION:

- ◆ M.Sc. (Bio-Geography), York University, Ontario

PROJECT ROLE:

- ◆ Senior Professional

Ms. Brooks is an Aquatic Biologist, with 15 years of experience in the fields of fisheries and avian biology. Angela has an extensive fisheries background that is used to undertake aquatic and fish habitat assessments and the development of fish habitat compensation plans/strategies. She has also completed many species at risk assessments for birds, mammals and fish. In addition, she has extensive knowledge of North American birds and can identify by sight and sound and has completed many breeding bird and point count surveys. Ms. Brooks has collaborated extensively with regulatory agencies to attain permits and approvals under the *Fisheries Act*, *Public Lands Act*, *Lakes and Rivers Improvement Act*, *Navigable Waters Protection Act* and *Species at Risk Act*.

EXPERIENCE:

1. Muskrat Dam First Nation. Environmental Assessment for hydro-electric project. Conducted surveys using established protocols for breeding birds, herpetofauna, mammals and sign, species-at-risk, and nocturnal avian species. Assisted with the preparation of Environmental Impact Assessment for approval by the Canadian Environmental Assessment Agency (CEAA).
2. Tlicho Investment Corporation. LaMartre Falls Hydroelectric Development. Pre-feasibility Study. Conducted preliminary environmental screening including development of mitigation measures for aquatic species in conjunction with DFO.
3. Seabridge Gold. Snare River Hydroelectric Development. Pre-feasibility Study. Conducted preliminary environmental screening and development of detailed mitigation measures.
4. Public Works and Government Services. Big Chaudiere Dam Reconstruction CEAA Screening. Conducted baseline surveys using established protocols for species at risk, breeding birds, herpetofauna, fish community surveys including spawning surveys. Development of detailed mitigation measures for all species including aquatic species at risk.
5. City of Hamilton (*ongoing*), Schedule C Class Environmental Assessment (EA) for improvements to Garner Road E./Rymal Road W. (Highway 6 to West 5th Street) and Garth Street (Rymal Road to Stone Church Road). Natural heritage assessment including alternatives assessment, public consultation, and the preparation of the Environmental Study Report.
6. City of Hamilton, Hannon Creek Tributary Assessment. The tributary assessment was conducted in the Red Hill Industrial Business Park. Conducted the assessment in accordance with the Evaluation, Classification and Management of Headwater Drainage Features – Interim Guidelines. The study also included a screening for species at risk.
7. Ministry of Transportation, preparation of an Environmental Study Report for the widening of Highway 400 (Major MacKenzie to King Road). Aquatic habitat assessment utilizing the Ontario Stream Assessment Protocol and also obtained Fisheries Act approval.