

**ONTARIO WATERPOWER
ASSOCIATION – REQUEST FOR
QUALIFICATIONS**

SPECIES EXPERTISE
REGULATION 242/08

Endangered Species Act



September 30, 2013

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<p>Melissa Cameron M.Sc., OALA, Ecologist / Landscape Architect</p>			
Species name	Individual Name	Contact Information	Member of Waterpower Association
<p>Turtles (e.g. Blanding’s Turtle, <i>Emys blandingii</i>)</p>	<p>Melissa Cameron melissa.cameron@stantec.com</p>	<p>Stantec Consulting Ltd 70 Southgate Drive, Suite #1 Guelph ON N1G 4P5 Phone: (519) 836-6966 Fax: (519) 836-2493</p>	<p>✓</p>
<p>Description of Expertise & Experience</p>			
<p>Relevant Species / Grouping of Species for which they seek to be recognized as a subject matter expert (max 100 words)</p> <p>Melissa has been involved in research and conservation of turtles since 2000, and completed her Master of Science degree on the Mud and Musk turtle family (Kinosternidae) in 2004 (University of Guelph). Melissa prepared the provisional Status Report on the Snapping Turtle (<i>Chelydra serpentina</i>) in 2008 for the Committee on the Status of Endangered Wildlife in Canada (COSEWIC), co-authored the 2002 COSEWIC Status Report on the Pacific Pond Turtle (<i>Clemmys marmorata</i>), and edited several other COSEWIC reports on Ontario turtle species. She has field experience surveying for Snapping Turtle, Painted Turtle, Wood Turtle, Blanding’s Turtle, Musk Turtle and Spotted Turtle.</p>			
<p>Development and implementation of mitigation, effects monitoring and effectiveness monitoring plans (max 100 words)</p> <p>As an Ecologist and Landscape Architect, Melissa has been involved in the planning, design and installation of numerous ecosystem restoration and enhancement projects, including establishing habitat for turtle species. She is also experienced in conducting population viability analysis, and co-authored a demographic study of southern Ontario’s only remaining population of wood turtle (<i>Glyptemys insculpta</i>). She is in the process of updating the population viability analysis for this population based on monitoring data collected by MNR. Melissa has developed mitigation measures for various types of projects in relation to turtles and has been engaged in the development of effectiveness monitoring programs.</p>			
<p>Hydroelectric Sector (max 100 words)</p> <p>Melissa Cameron is currently engaged in the Locks 24 and 25 Hydro Development, a 4MW project on the Otonabee River in southern Ontario. She is acting as the technical expert for turtle species, providing advice on Map Turtle and Blanding’s Turtle.</p>			

As an Ecologist and Landscape Architect, with graduate degrees in Zoology and Landscape Architecture, Melissa possesses the necessary knowledge and skills to evaluate, manage and restore landscapes in a sensitive and sustainable manner. Melissa has a particular interest in wildlife conservation and habitat protection, and sees Landscape Architecture as an opportunity to link ecology with planning and design to positively influence natural and cultural landscapes. Her graduate research in Landscape Architecture involved assessing the potential for rehabilitated aggregate extraction sites to be used as reintroduction sites for Species at Risk, using metapopulation modeling and spatial analysis (GIS). She has written three, and edited many, species status reports for the Committee on the Status of Endangered Wildlife in Canada (COSEWIC)

EDUCATION

Master of Landscape Architecture, University of Guelph, Guelph, Ontario, 2007
Master of Zoology, University of Guelph, Guelph, Ontario, 2004
Bachelor of Science, Ecology, University of Guelph, Guelph, Ontario, 2001

MEMBERSHIPS

Member, Ontario Association of Landscape Architects

Member, Canadian Herpetological Society (formerly C ARCNET)

EXPERIENCE

Various Projects – field surveys for reptiles, amphibians, birds and insects (Ecologist)

Locks 24 and 25 Hydro Development, Lakefield, Ontario- technical expert for turtle species, providing advice on Map Turtle and Blanding's Turtle (Terrestrial Ecologist)

Henvey Inlet Wind Farm, French River, Ontario - Conducted field surveys to identify habitat and presence of turtle species at risk including Blanding's Turtle, Spotted Turtle, Snapping Turtle, Map Turtle and Musk Turtle. Developing impact assessment and mitigation measures.

Wildlife Habitat Council - Wildlife at Work Certifications, Various States (Project Manager and Habitat Designer)

Louisiana Wetlands Mitigation Bank, Louisiana (Project Manager and Conservation Lead)

Tools for Evaluating Conservation End-use Potential of Former Industrial Properties (Project Manager)

PUBLICATIONS

Cameron, M. COSEWIC status report on the snapping turtle, *Chelydra serpentina*, in COSEWIC assessment and status report on the snapping turtle, *Chelydra serpentina*, in Canada. *Committee on the Status of Endangered Wildlife in Canada, Ottawa, Ontario, 2007.*

Cameron, M., R. Brooks and J. Congdon. Adaptive significance of diapause in the turtle family Kinosternidae. *Oral presentation to the Ontario Ecology and Ethology Colloquium, University of Toronto, Ontario, Canada, 2004.*

Cameron, M. and R. St. Clair. COSEWIC status report on the Pacific pond turtle, *Clemmys marmorata*, in COSEWIC assessment and status report on the Pacific pond turtle, *Clemmys marmorata*, in Canada. *Committee on the Status of Endangered Wildlife in Canada, Ottawa, Ontario, 2002.*

Cameron, M., R. Brooks, N. Goodenough, K. McNichols and P. Wesley. Demography, Home Range and Habitat Utilization of Wood Turtles (*Clemmys insculpta*) in the Algoma District. *Unpublished project report to the Ontario Ministry of Natural Resources (MNR), 2002.*

Cameron, M.A. and R.J. Brooks. Maitland river valley wood turtle population analysis. *Unpublished report to the Ontario Ministry of Natural Resources (MNR), 2002.*