



**Request for Qualifications
Species Expertise – Regulation 242/08 - *Endangered Species Act***

SLR Consulting (Canada) Ltd. is a member in good standing of the Ontario Waterpower Association, with its fees paid in full until December 31, 2013. Dale Leadbeater is a professional biologist employed by SLR.

Name and Qualifications:	Dale Leadbeater, B.Sc., B.Ed. MNR Certified in the Ontario Wetland Evaluation System (OWES) Member: Toronto Entomological Association
Species/grouping of species for which recognition is requested	Dragonflies (e.g., Rapids Clubtail, <i>Gomphus quadricolor</i>)
Expertise and experience with Species/grouping of species	<ul style="list-style-type: none"> • Participated in dragonfly inventory on behalf of the Couchiching Conservancy • Established range limits for Eastern Red Damsel (<i>AMPHRIAGRIUM SAUCIUM</i>) in the Lynde Creek Watershed, Whitby, ON • Field inventory for environmental impact assessments include dragonflies
Expertise and experience in the development and implementation of mitigation, effects monitoring and effectiveness monitoring plans	<ul style="list-style-type: none"> • Range of projects that did not identify dragonfly habitat specifically, but implicit in the design and construction of wetlands. Specific to the Red Damsel (above) is: • <i>Highway 407 Wetland Impact and Mitigation Symposium, 2010. Ontario Ministry of Transportation.</i> Dale designed and taught a 3-day workshop to identify best management practices to mitigate impacts to provincially significant wetlands, and the connectors for this new route. Issues included maintenance of groundwater continuum to sustain critical wetland function. The workshop was unique in uniting engineers, hydrogeologists, biologists and planners in an effort to identify innovative approaches to wetland protection.
Expertise and experience in the hydroelectric sector	<ul style="list-style-type: none"> • Assess and recommend water management ranges for navigation, waterpower, aquatic resources, flood control, recreational, and aesthetic objectives for the Trent Severn Waterway from Balsam Lake to Lake Ontario • Environmental Assessment of the Ear Falls Generating Station • Ecological Land Classification of the Durham Nuclear Generating Station, Clarington, ON • Improvements to Hydro Marsh adjacent to the Pickering Nuclear Generating Station • Peer review of proposed Wanatango Falls Generating Station (Xeneca) Environmental Assessment on behalf of the Taykwa Tagamou Nation

Curriculum vitae attached.

Dale Leadbeater, B.Sc., B.Ed

Senior Project Manager and Senior Reviewer

Biography

Dale A. Leadbeater, B.Sc., B.Ed., Senior Biologist has worked in the field of environmental assessment since 1978. Her areas of expertise include landscape ecology, vegetation community analysis and inventory, wildlife assessment, wetland evaluation and impact assessment, mitigation and restoration. She provided wildlife and vegetation inventory and input to the analysis of functional significance of units and guidelines for development for a variety of natural heritage studies. She participated in the evaluation of rare and threatened species for Durham Region by the Ministry of Natural Resources that led to the status report for plants in the GTA. She is currently engaged in an inventory of the flora of the City of Kawartha Lakes.

Assessment of listed Species at Risk and ecological communities is a critical part of the land development process to ensure due diligence and compliance with the federal *Species At Risk Act* and provincial legislation. Dale has provided solutions for management of specific listed species for projects in Port Severn, Brampton, Mississauga, Toronto, Niagara Falls, Ipperwash, Brantford, Ontario and most recently in Cardston, Alberta. The Regional Municipality of Halton Forest Plan and construction of a marina in Georgian Bay included mitigation planning for logging operations and marina construction respectively in the habitat of SAR. She co-authored a background study to the Muskoka Official Plan Review that provided a Species at Risk screening document for the use of planners.

Selected Project Experience

- *Environmental Assessment for the Reconstruction of the Ferry Docks, Millhaven to Stella, Amherst Island; 2012.* Seasonal focused surveys were undertaken to establish the extent of habitat of three Species at Risk turtles and make recommendations for mitigation.
- *Ontario Hydro, 1994.* Assessment of environmental implications of redevelopment of the Ear Falls Dam Hydro Generating Station, including social impacts.
- *Ontario Hydro, 2002.* Evaluation of potential impacts to turtles due to waterlevel fluctuations on the Dog River, Thunder Bay, Ontario.
- *Peer Review for Township of Georgian Bay, Six Mile Lake, Muskoka; 2012.* A focused survey by snorkelling was undertaken to determine the risk of occurrence of aquatic SAR, and terrestrial evaluation of habitat for bird and turtle SAR.
- *Environmental Assessment for Marina Dredge and Blasting, Port Severn, ON; 2012.* The proposed construction occurred in an area where a possible 19 rare, threatened and endangered species could occur. It was necessary to screen for possible occurrence using secondary source information, then confirm by site specific investigations for fish, turtles, snakes and plants.
- Recommendations for water level management from the perspective of turtle SAR for the Trent-Severn Waterway (TSW) water resources management study to better achieve multiple goals including hydro-electric power production and natural environmental objectives.
- *Oak Bay Golf Course, Residential and Marina Development; 2008 – 2010* Detailed field investigations were undertaken to identify threats to Eastern Foxsnake, Hognosed Snake, Common Musk Turtle, Northern Map Turtle and Snapping Turtle. A detailed wildlife management plan was prepared for use of the contractors engaged in the construction of the Marina as well as homeowners.



EDUCATION

- Bachelor of Education, Ontario Teaching Certificate
- University of Toronto, Faculty of Education
1992 – 1993
- Bachelor of Science
University of Toronto
1987 – 1992
- Bachelor of Science
University of Toronto
1971 – 1974

MAIN SPECIALTY

- Plant Ecology
- Species at Risk (Plan Herpetiles, Birds, Odonata Lepidoptera) (12 years)
- Wetland Ecology

AREAS OF EXPERTISE

- Ecological Land Classification (former instructor)
- Wetland Science
- Natural Heritage Capital Evaluation

PROFESSIONAL AFFILIATIONS

- Society for Ecological Restoration
- Field Associate of the Botany Department, Royal Ontario Museum

REFERENCES

- Ron Reinhold, Regional Forester, Halton Region
1-905 825-6000 Ext. 7279
Ron.Reinholt@halton.ca
FAX 905-825-9010
- Leslie Coats, Manager, Waterfront and Special Projects
1-416-392-1885
lcoates@toronto.ca
FAX 416-338-0685



global environmental solutions