

Sherbrooke, September 26th 2013

Ontario Waterpower Association
Request for qualifications
Species expertise – Regulation 242/08 – Endangered Species Act

Dear colleagues,

As a wildlife biologist specialized on rare and endangered species, I am very happy to respond to this request for qualifications. Since 1993, I have worked as project manager or wildlife specialist in numerous projects related to impact assessments and biological characterization studies, in addition to teaching at Sherbrooke University.

Working in collaboration with many scientists from universities and agencies from Canada and abroad over the years, I collaborated in the development of several techniques and protocols to study rare or endangered species. Many of these methods are based on electronic devices which allow reducing the costs, while increasing efficiency and reliability of wildlife surveys.

As requested, you will find enclosed my curriculum vitae and a short description of my expertise and experience on turtles, mitigation plans implementation and monitoring, as well as my experience in the hydroelectric sector. I am not personally a member of the Ontario Waterpower Association, but GENIVAR, my employer, is.

Sincerely yours



Marc Gauthier, Ph.D.
Biologist

Expertise and experience on Turtles

As a senior biologist, I am specialized in applied ecology, and I mainly work on wildlife management and surveys of rare and endangered species. A large part of my work concerns the turtle species, such as the Blanding's Turtle and the Wood Turtle. Among the projects on which I worked, I conducted telemetric monitoring of turtles during several years, to locate their key habitats such as nesting and hibernation sites. These projects gave us better understanding of habitat selection by turtles and allowed developing effective mitigation plans for road works and other projects conducted in turtles' habitats.

Expertise and experience in the development and implementation of mitigation plans and monitoring of their effectiveness

Several projects, in which I have worked, involved the implementation and follow up of mitigation programs for wildlife. These projects include monitoring of sand pit operations, mine sites rehabilitation, highway / bridge / harbor construction projects, as well as wind farm, hydropower and other energy projects. The target species for these projects not only included turtles, but also endangered fish, frogs, salamanders, forest birds, waterfowl, bats and other mammals, from shrews to wolverine. As a turtle specialist, I also worked on the Blanding's Turtle survey protocol and on a Spotted Turtle's conservation plan for the National Capital Commission (NCC).

Expertise and experience in the hydroelectric sector

Over the years, I have been involved in several projects for Hydro-Québec; the most recent being the Romaine River project. In this project, my team is primarily involved in Atlantic Salmon management and population monitoring, which is primarily done with fish barriers and automated counters (Ichtyos system) which were specifically developed in our offices. I have also participated in dam, power line, and substation projects, including pre-project wildlife inventories and development of mitigation plans preparation for amphibians and reptiles, such as, turtles, snakes, frogs and salamanders.

Marc Gauthier, *Ph.D.*, Wildlife biologist

EDUCATION

1993	Ph.D. Biology , University of Sherbrooke, Qc
1986	M.Sc. Biology , University of Sherbrooke, Qc
1984	B.Sc. Biology , University of Quebec in Montreal, Qc

PROFESSIONAL EXPERIENCE

Biologist, Project leader in wildlife and habitat management	GENIVAR inc. Sherbrooke, Qc	2009 - ...
Biologist, Project leader in wildlife and habitat management	Envirotel 3000 inc., Sherbrooke, Qc	1989-2009
Part-time lecturer, Bachelor degrees in Biology and Education Sciences, Master degree in Environmental management, Graduate diploma in Environmental management	Université de Sherbrooke, Sherbrooke, Qc	1993 - ...
Research Assistant, Ecology research group, nutrition and energy, Université de Sherbrooke	Université de Sherbrooke, Sherbrooke, Qc	1990-1992
Research Intern, Zoology department	University of Aberdeen, Scotland	1989

OTHERS

Member of the Creek Salamanders Recovery Team (Quebec)	2001 - ...
Member of the Québec association of Biologist (ABQ))	1991 - ...

SOME RELEVANT REPORTS

- GENIVAR. 2013. Dumont Project. Blanding's Turtle survey (*Emydoidea blandingii*) - June 2013. Prepared for Royal Nickel Corporation. 18 p. . + appendix.
- GENIVAR. 2011. Conservation advice for the spotted turtle (*Clemmys guttata*) in Mer bleue. Prepared for the National Capital Commission (NCC), Ottawa. 22 p.
- GENIVAR. 2011. Blanding's Turtle (*Emydoidea blandingii*) Survey Protocol. Prepared for the National Capital Commission (NCC), Ottawa. 28 p. + appendix.
- GENIVAR. 2011. Blanding's Turtle (*Emydoidea blandingii*) survey in National Capital Greenbelt. Prepared for the National Capital Commission (NCC), Ottawa. 7 p. + appendix.