

August 8, 2022

Township of Greater Madawaska
19 Parnell St,
Calabogie, ON
K0J 1H0
Attn.: Steve Inwood

Re: GEMS Project 23-1596 – Township of Greater Madawaska Species at Risk Survey

Survey Date:	August 8, 2022
Time of Survey:	9:30am- 12:00pm
Weather Conditions:	Approximately 28-30 °C, sunny, light wind

Groundwater Environmental Management Services Inc. (GEMS) understands that a Species at Risk Survey is required to proceed with project works associated with the widening and renewal of the Ferguson Lake Road project, undertaken by Bonnechere Excavating Inc. Construction for this project will occur on Ferguson Lake Rd from Calabogie Rd., continuing north on Ferguson Lake Road and ending at the beginning of Phase 1 for this project, located at Ferguson Lake Campground. The survey was completed by Adrian Williams, an Ecologist at GEMS on the morning of August 5, 2022, between the hours of 9:00 am and 12:00 pm. Nests and signs of migratory breeding birds and Species at Risk (SAR) were surveyed before any construction activity.

GEMS observed the areas noted during the site walk from various locations to gain proper vantage points to inspect all suitable nesting vegetation within the survey area. The following memo summarizes the survey results and provides recommendations to mitigate the disturbance if necessary.

GEMS has completed an online search for potential species at risk within the location of the pond. Online search sources included: Ontario GeoHub (Land Information Ontario) and Ontario species at risk public registry.

Below are the noted species identified through online search:

- Snapping Turtle (*Chelydra serpentina*)
- Bogbean Buckmoth (*Hemileuca sp. 1*)
- American Eel (*Anguilla rostrata*)
- Canada Warbler (*Cardellina canadensis*)
- Butternut Tree (*Juglans cinerea*)
- Blanding's Turtle (*Emydoidea blandingii*)
- Wood Rush (*Hylocichla mustelina*)

Survey Summary:

No Species at Risk were observed during the field survey. Additionally, no significant habitat is anticipated to be impacted by the project works.

A surveyed location map is available in **Appendix 1**.

Considering the above summary, project works are deemed safe to proceed without causing significant harm to potential Species at Risk in the project area.

If you have any further questions or concerns, feel free to contact the undersigned.

Yours truly,

Groundwater Environmental Management Services, Inc.

Prepared by:

Reviewed by:



Adrian Williams, B.Sc., GIT
Environmental Technician



Jose Haig, B.E.S., M.Sc.
Ecology Team Lead

Appendix 1

