



## Memo

Project No. 1642

**To:** Tom Bird  
**From:** Andrew Ryckman  
**Date:** June 25, 2015  
**Re:** Edenvale Solar Project  
Critical Issues Analysis and Site Investigation Summary

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### Project Description

The Edenvale Solar Project is a solar energy facility proposed by BluEarth Renewables Inc. The facility is located east of the Town of Stayner in the County of Simcoe, Ontario. The Edenvale Solar Project project area is approximately 121ha in size, and is generally bordered by Highway 26 to the north, Sideroad 15 and 16 to the east, Concession Road 9 Sunnidale to the south, and Sunnidale Road to the west.

### Records Review

NRSI completed the initial stages of a records review based on the general project boundaries. The purpose of this exercise was to collect available information on natural and/or protected areas, watercourses, Species at Risk (SAR), and any other information pertaining to the natural environment within the Edenvale Solar Project area.

As part of this preliminary records review, NRSI biologists have consulted a variety of published and online resources, databases, and mapping tools to assist with a comprehensive review of existing information relating to the proposed project area. These resources included, but were not limited to, the following:

- County of Simcoe Official Plan (County of Simcoe 2013)
- Land Information Ontario (LIO) (MNRF 2015b)
- Natural Heritage Information Centre (NHIC): Biodiversity Explorer (MNRF 2015a)
- Ontario Breeding Bird Atlas (OBBA) (Cadman et al. 2007)
- Important Bird Areas of Canada (BSC 2004)
- Atlas of the Mammals of Ontario (Dobbyn 1994)
- Ontario Reptile and Amphibian Atlas (Ontario Nature 2013)
- Ontario Butterfly Atlas (TEA 2014)

The results of the detailed records review has been summarized in Table 1 below.

**Table 1. Summary of Critical Issues Analysis for the Edenvale Solar Project**

Criteria	Source	Date Accessed	Results
Provincial Park or Conservation Reserve	LIO (MNRF 2015b)	June 22, 2015	There are no Provincial Parks or Conservation Reserves located within the project area.
Provincially Significant ANSI-Earth Science (ES)	LIO (MNRF 2015b)	April 29, 2015	There are no Provincially Significant ANSI-ES located within the project area.
Provincially Significant ANSI-Life Science (LS)	LIO (MNRF 2015b)	April 29, 2015	There are no Provincially Significant ANSI-LS located within the project area.
Provincially Significant Wetland (PSW)	LIO (MNRF 2015b)	June 22, 2015	There are no PSWs located within the project area.
Significant Woodland	LIO (MNRF 2015b)	June 22, 2015	Wooded habitat is present within the project area. Field visits will be required to confirm significance and delineate the extent of any significant woodlands.
Water Body	LIO (MNRF 2015b)	May 8, 2015	There is 1 known watercourse located within the project area. Field surveys will be required to confirm if this feature meets the criteria of a water body, and whether any other water bodies are present.
Species at Risk Habitat	NHIC (MNRF 2015a)  OBBA (Cadman et al. 2007)  Atlas of the Mammals of Ontario (Dobbyn 1994)  Ontario Reptile and Amphibian Atlas (Ontario Nature 2013)  Ontario Butterfly Atlas (TEA 2014)	March-May, 2015	Several Species at Risk (SAR) have been documented within the project area.

## References

- Bird Studies Canada. 2004. Important Bird Areas of Canada. Available at:  
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- Cadman, M.D., D.A. Sutherland, G.G. Beck, D. Lepage, and A.R. Couturier (eds.). 2007. Atlas of the Breeding Birds of Ontario, 2001-2005. Bird Studies Canada, Environment Canada, Ontario Field Ornithologists, Ontario Ministry of Natural Resources, and Ontario Nature, Toronto, xxii + 706 pp.
- Committee on the Status of Endangered Wildlife in Canada (COSEWIC). 2015. Committee on the Status of Endangered Wildlife in Canada. Available at:  
[http://www.cosewic.gc.ca/eng/sct5/index\\_e.cfm](http://www.cosewic.gc.ca/eng/sct5/index_e.cfm)
- County of Simcoe. 2013. County of Simcoe Official Plan. Available at:  
<http://www.simcoe.ca/dpt/pln/official-plan>
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- Toronto Entomologists' Association. 2014. Ontario Butterfly Atlas. Available at:  
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