

LGL Agency Contact Record for East Durham Wind Energy Centre NHA

Date	Agency	Contact	Enquiry	Response
24-May-11	Municipality of West Grey	Mark Turner Clerk	Asked whether the Official Plan for the County of Grey was the document used by the municipality.	Municipality of West Grey does not have their own Official Plan, the municipality uses the OP of Grey County for direction.
24-May-11	Saugeen Valley Conservation Authority	Kalena Metcalfe Resources Information Technician	Request for info regarding natural heritage features and associated wildlife/aquatic communities, as well as any available GIS layers for the study area.	Ms. Metcalfe confirmed that study area includes 3 PSWs (Beaver Meadow, Topcliff Swamp and Boothville Swamp). Some historical information (1978) regarding the Beaver Meadow ESA was also provided.
27-May-11	County of Grey	Scott Taylor Senior Planner	After reviewing the OP and associated mapping available on the county's website, Mr Taylor was contacted to ask if any additional info regarding natural heritage features in the area is available from the County of Grey.	Mr. Taylor confirmed that the Official Plan mapping is the only mapping of natural heritage features available in the county. He also stated that the ammendment to the OP (OPA80) has now been approved by the province, such that the mapping associated with OPA80, available on the county's website, should be used as the most current.
7-Jun-11	County of Grey	Carolyn Bailey Planning Technician	Requested GIS shape files of any mapping pertaining to natural heritage features included in the Official Plan.	Ms. Bailey posted the GIS files pertaining to the location of woodlands and hazard lands, as identified in the Official Plan, on the County's ftp site for our use. Ms. Bailey explained that wetland mapping used in the Official Plan was property of MNR. LGL had already obtained the wetland mapping for the study area through MNR.
July 22, July 28, 2011	Ministry of Natural Resources, Owen Sound Area Office	Kathy Dodge Fish and Wildlife Biologist	Requested wetlands evaluations for PSWs and fisheries data for tributaries of Saugeen River within study area.	Ms. Dodge provided wetland evaluations for Dromore Swamp, Dornoch Swamp, Boothville Swamp, Beaver Meadow, Bells Lake and Topcliffe Swamp; and, fisheries data for the Saugeen River and associated tributaries during a visit to the Owen Sound office on July 28, 2011.
22-Jul-11	Ministry of Natural Resources	Crown Land Use Policy Atlas	The Crown Land Use Policy Atlas was searched to determine the location of any provincial parks or conservation reserves documented within the study area.	No such areas were identified within the Study Area.

Date	Agency	Contact	Enquiry	Response
7-Jun-11	Ministry of Natural Resources	Ontario Wind Resources Atlas	The Renewable Energy Atlas was searched to determine the location of provincial parks, conservation reserves, natural heritage value areas, enhanced management areas, national parks, ANSI, wilderness areas and crown game preserves documented within the study area or project location.	No such areas were identified within the Study Area.
7-Jun-11	Ministry of Natural Resources	Biodiversity Explorer	Biodiversity Explorer was searched to determine the location of any rare vegetation communities or significant natural areas documented within the study area.	No such areas were identified within the Study Area.
20-Sep-11	Ministry of Natural Resources	Amy Cameron, Renewable Energy Field Advisor Renewable Energy Operations Team (REOT)	Request was made for records pertaining to natural heritage features within the project Study Area.	October 4, 2011: Records Review package was received from REOT.
4-May-12	Ministry of Natural Resources	Amy Cameron, Renewable Energy Field Advisor Renewable Energy Operations Team (REOT)	Notice was sent that the study area for the East Durham Wind Energy Centre had expanded.	June 12, 2012: Records Review package was received from REOT for revised Study Area. July 17, 2012: Records Review for Water bodies within study area was received from REOT.
26-Jun-12	Saugeen Valley Conservation Authority	Martha Nicol	Requested water quality, fish or benthos data available for watercourses in Study Area.	June 27, 2012: Martha confirmed that a PWQMN station is located upstream of the Study Area and data is available online. Benthos data was provided by SVCA for the same location.
2-Aug-11	Saugeen Valley Conservation Authority	Sandra MacDonald GIS Coordinator sandra.macdonald@grey.ca	Follow up email to determine if SVCA could provide any GIS for mapped floodlines or regulations limits.	Aug 8, 2011: SVCA confirmed that no digital data was available, a screening procedure by SVCA staff would be necessary once project components were determined to identify where components may be encroaching on regulation limits.
11-Jun-12	Saugeen Valley Conservation Authority	Kalena Metcalfe, Resources Information Technician Nathan Garland, Regulations Officer	Follow up email to determine who could conduct screening of project components for where there might be encroachment into regulation limits.	June 21, 2012: spoke by phone with SVCA who confirmed that Ms. Metcalfe was no longer with the organization and that the person to contact was Nathan Garland (Regulations Officer). Information regarding project components was provided to Nathan Garland for the purpose of screening for regulation limits. July 12, 2012: Mr. Garland provided information regarding where project components were located close to regulation limits.

Date	Agency	Contact	Enquiry	Response
15-Aug-12	Municipality of West Grey	Mark Turner Clerk	Contacted Mr. Turner for information regarding the percent woodland cover established for the area.	Mr. Turner suggested contacting the County for this information as they didn't have it available.
15-Aug-12	County of Grey	Scott Taylor Senior Planner	Contacted Mr. Taylor for information regarding the percent woodland cover established for the area.	Aug 15, 2012: Mr. Taylor declared a conflict on the file based on the revised study area and referred LGL to Sarah Morrison (intermediate Planner). Ms. Morrison confirmed that the County does not have any information regarding canopy cover and that MNR numbers should be used.
21-Aug-12	Ministry of Natural Resources - Midhurst District	Kevin Reese Forester	Mr. Reese was contacted to obtain data regarding percent canopy cover of woodlands for the Municipality of West Grey or the County of Grey to apply to the NHA.	Aug 21, 2012: Mr. Reese provided a percent canopy cover for both the upper and lower tier municipality and recommended application of the number provided for the Municipality of West Grey for the purpose of the NHA.
23-Aug-12	Ministry of Natural Resources - Owen Sound Area Office	Kathy Dodge Fish and Wildlife Biologist	Contacted Ms. Dodge to inquire about how to wetland along project components and how to deal with wetlands affected by agricultural use.	Discussed complexing rules, however was not sure how to treat wetlands that were not visited (due to lack of access) in the assessment. It was determined that those not accessible would be completed through alternative site investigation. Discussed where features previously identified as wetland during records review, were then removed as wetland polygons once site investigation confirmed that areas were under intensive agricultural use, such that they were not functioning as wetland.
28-Aug-12	Ministry of Natural Resources	Emily Gryck Project Manager Southern Region Renewable Energy Operations Team (REOT)	Contacted Ms. Gryck via email regarding the minimum size for assessing wetland features within 120 m of project components	Aug 28 & Aug 30, 2012: Ms. Gryck provided clarification through email. Only wetlands greater than 2 ha are typically assessed for significance unless smaller wetlands have significant features or functions.
10-Sep-12	Ducks Unlimited	Rick Robb	Contacted Ducks Unlimited Kingston re: program on Property that hosts Turbine 13. Left message for Rick Robb to request any available information.	
17-Sep-12	Ducks Unlimited	Rick Robb		Voicemail message returned from Rick Robb to indicate that DU provided support to landowner as part of source water protection program to fence aquatic features from cattle grazing. They installed wood duck nest boxes in 2009 and return periodically to clean them. No additional data on waterfowl was noted in the files at the time of the call. He will get back to LGL if he finds any additional information.

**MEMO TO: MARK SHOREMAN, DISTRICT MANAGER
BARTON FEILDERS, ONTARIO PARKS P&R MANAGER**

FROM: AMANDA DWYER

DATE: October 21, 2008

Re: Areas of Natural and Scientific Interest (ANSI) Earth Science Drop Sites

In 2001, Midhurst District conducted reviews of a number of earth science features. This review resulted in changes to a number of previously identified earth science areas of natural and scientific interest (ANSI's). The following is a list of the five earth science ANSI's that are no longer considered provincially significant ANSI's and will be removed from district natural heritage mapping and NRVIS: Tara Moraine and Esker, Williscroft Moraine, Shrigley Esker, Topcliff Crevasse Fillings and Hopeville Drumlins. There are a total of 85 landowners being affected by these drop sites. Each landowner will be notified in writing as will the affected municipalities.

Tara Moraine and Esker is identified as a provincially significant Earth Science ANSI which is 35.0 ha in size. There are 5 different privately owned properties within this feature. The field work and inventory reports were completed in 2001 by T.W Noble and the feature is located in Bruce County in the Municipality of Arran-Elderslie. According to documentation and rationale by Phil Kor; Senior Conservation Geologist for Ontario Parks, the feature is no longer representative as an ANSI due to better representation in the revised Tara Moraine Complex ANSI.

Williscroft Moraine is identified as a provincially significant Earth Science ANSI which is 675.0 ha in size. There are 23 privately owned properties within this feature. The field work and inventory reports were completed in 2001 by T.W Noble. The feature is located in Bruce County in the Municipality of Arran-Elderslie. According to documentation and rationale by Phil Kor; Senior Conservation Geologist for Ontario Parks, the feature is no longer representative as an ANSI as the earth science feature is not well defined and the moraine feature is better represented elsewhere.

Shrigley Esker is identified as a provincially significant Earth Science ANSI which has a total of 20 privately owned properties within this feature. The field work and inventory reports were completed in 2001 by T.W Noble. The feature is located on the dividing point of Dufferin and Grey County with the upper portion being in the Township of Grey Highlands and the lower portion in the Township of Melancthon. According to documentation and rationale by Phil Kor; Senior Conservation Geologist for Ontario Parks, the feature is no longer representative as an ANSI due to high aggregate impacts leaving the remainder of the site in poor condition. There is equivalent representation nearby with the Egerton Esker and Keldon Esker features.

Topcliff Crevasse Fillings is identified as a provincially significant Earth Science ANSI which is 71.0 ha in size. There are 8 different landowners with privately owned properties within this feature. The field work and inventory reports were completed in 2001 by T.W. Noble. The feature is located in Grey County in the Township of West Grey. According to documentation and rationale by Phil Kor; Senior Conservation Geologist for Ontario Parks, the feature is no longer representative as an ANSI as the earth science feature is not well defined and the crevasse fillings are better represented elsewhere.

Hopeville Drumlins is identified as a provincially significant Earth Science ANSI which is 581.0 ha in size. There are 28 landowners with privately owned properties, and 1 Conservation Authority property within this feature. The field work and inventory reports were completed in 2001 by T.W. Noble. The feature is located in Grey County in the Township of Southgate. According to documentation and rationale by Phil Kor; Senior Conservation Geologist for Ontario Parks, the feature is no longer representative as an ANSI as the earth science feature is not well defined and the drumlin feature is better represented elsewhere.

All landowners with the affected properties and municipalities will be notified of these changes. Changes will be made in NRVIS and these provincially significant ANSI's will be removed from district natural heritage mapping.

Sincerely,

Amanda Dwyer
Natural Heritage Technician
MNR, Midhurst District

Topcliff Crevasse Fillings Earth Science Area of Natural and Scientific Interest

(Glenelg Township, Grey County, Ontario)

I S.D.R.

II

III

Glen ●

④

23

24

25

26

27

28

29

30

31

32

33

34

35

36

Benbow Cemetery

Mariano

Standard Bank

Crevasse

Topcliff

23



Scale 1:15,000

Kilometres

0

0.5

LEGEND

XII - Concession

10 - Lot

--- - ANSI Boundary

① - Highway

23 - County Road

REOT

District NHA Records Review Template for Renewable Energy Projects

ECOREGION 6E

Wind, Solar, Bioenergy

Ministry of Natural Resources

Renewable Energy Operation Team

June 12, 2012

This template has been aligned with the
draft Ecoregion 6E Criterion Schedule

NHA Records Review

Project Name:	East Durham			
Project Location:	MNR District Midhurst	Municipality Grey County Township of West Grey	Geo.Twp, Lot(s) & Con(s) Various Gleneig	
Applicant:	East Durham Wind, LP (Nextera) Contact: Tom Bird (Thomas.bird@nexteraenergy.com)		Phone #: 905-335-4904 Address: 5500 North Service Road, Suite 205	
Consultant:	LGL Limited (sub-consultant to Genivar) contact: Allison Featherstone (afeatherstone@lgl.com) Genivar Contact: Terence Rasmussen (Terence.rasmussen@genivar.com)		Phone #: 905-333-1667 Address: 3365 Harvester Road, Burlington, ON L7N 3N2 600 Cochrane St., Markham, ON L3R 5K3	
Generation type:	<input checked="" type="checkbox"/> wind onshore	<input type="checkbox"/> wind offshore	<input type="checkbox"/> solar	<input type="checkbox"/> biomass/biogas
Nameplate Capacity:	23 MW			
Name of MNR Records Reviewer:	Joe Halloran, Erin Thompson			
Date Records Compiled:	May 28, 2012 (Note: this records review was provided for the updated transmission line only. There was another records review completed for the project location dated October 4, 2011. The original records review provides additional detail that will need to be addressed in the NHA.)			
What Ecodistrict is the project located in?	6E-5			

Please note the following definitions:

No = MNR has verified that there is no such natural feature present in or within 120 m of the proposed site.

YES = MNR has verified that this natural feature is present in or within 120 m of the proposed site. Site investigation is required to delineate the boundary of the natural feature.

UNKNOWN = MNR does not have any data to indicate presence/absence of this type of natural feature. Site investigation is required. Where the natural feature is deemed present, the boundary of the feature must be delineated.

Although this data represents the MNR's best current available information, it is important to note that a lack of occurrence (ie: unknown response) at a site does not mean that natural feature type is not present at the location. The Natural Heritage Assessment Guide for Renewable Energy Projects (MNR, 2001) and the Draft Significant Wildlife Habitat Ecoregion 6E Criterion Schedule (MNR, 2012) provide guidance with respect to identifying those features requiring Site Investigations. MNR continues to encourage Renewable Energy Approval Applicants to maintain communication and seek technical advice throughout the approval process. Information on Threatened and Endangered species is provided in a separate table.

Feature Type	Present within 120m of project location <small>(yes, no, unknown, N/A)</small>	Present within project location <small>(yes, no, unknown, N/A)</small>	MNR Comments <small>(comments may expand on information provided and/or may include relevant records within the vicinity that were not within project location or 120m of project area)</small>	Information Source <small>(NHIC, district staff, etc. Include the data layer name where possible)</small>
Provincial Park	No	No	Include this information in the records review report and <u>do not</u> carry forward to site investigation	
Conservation Reserve	No	No	Include this information in the records review report and <u>do not</u> carry forward to site investigation	
Earth Science ANSI*	No	No	Include this information in the records review report and <u>do not</u> carry forward to site investigation	
Life Science ANSI	No	No	Rocky Saugeen River Life Science ANSI located approximately 300m away. Include this information in records review report and <u>do not</u> carry forward to site investigation.	
Wetland	Yes	Yes	Topcliff Swamp Wetland Complex PSW; Boothville Swamp PSW; Beaver Meadow PSW and Traveston Creek PSW are located in and within 120m of the project location.	

					Include this information in the records review report and <u>carry forward</u> to site investigation report.	
Woodland			Yes	Yes	Wooded areas consisting of trees, plantation and hedgerows have been identified in and within 120m of the project location. Include this information in the records review report and <u>carry forward</u> to site investigation report.	
Valleyland			Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
Significant Wildlife Habitat	Habitats of Seasonal Concentrations of Animals	Waterfowl stopover and staging areas (terrestrial)	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Waterfowl stopover and staging areas (aquatic)	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Shorebird migratory stopover areas	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	

		Raptor Wintering Area	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Bat hibernacula	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Bat Maternity Colonies	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Bat Migratory Stopover Areas	N/A	N/A	MNR has not developed criteria for evaluating the significance of this habitat feature (see page 13 of the Bat Guidelines). Include this information in the records review report and <u>do not</u> carry forward to site investigation.	
		Turtle Wintering Area	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Snake Hibernaculum	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Colonial-Nesting bird breeding habitat (bank and	Unknown	Unknown	Include this information in the	

		cliff swallows)			records review report and <u>carry forward</u> to site investigation report.	
		Colonial-Nesting bird breeding habitat (tree/shrub)	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Colonial-Nesting bird breeding habitat (ground)	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Migratory butterfly stopover areas	NA	NA	This project is located more than 5km away from Lake Ontario therefore this does not apply. Include this information in the records review report and <u>do not</u> carry forward to site investigation.	
		Landbird (songbird) migratory stopover areas	NA	NA	This project is located more than 5km away from Lake Ontario therefore this does not apply. Include this information in the records review report and <u>do not</u> carry forward to site investigation	
		Deer Yarding Areas	Yes	Yes	6 Deer Wintering Areas (Stratum 2) are located in and within 120m of the project location. 1 Deer Wintering	

					<p>Area (Stratum 2) is located within 120m of the project location.</p> <p>Include this information in the records review report and <u>carry forward</u> to site investigation. MNR has already delineate the boundary of the deer yard, therefore this layer file must be acquired through LIO and presented in the SI report map.</p>	
		Deer Winter Congregation Areas	N/A	N/A	<p>See deer yarding area above. There are no congregation areas identified by MNR.</p> <p>Include this information in the records review report and <u>do not</u> carry forward to site investigation.</p>	
	Rare Vegetation Communities or Specialized Habitats for Wildlife	Cliffs and Talus Slopes	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Sand Barren	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Alvar	Unknown	Unknown	Include this information in the records review	

				report and <u>carry forward</u> to site investigation report.		
		Old Growth Forest	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Savannah	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Tallgrass Prairie	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Other Rare Vegetation Communities	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Foraging areas with abundant mast	NA	NA	Project not located within ecodistrict 6E-14 therefore does not apply.	
		Lek - Sharp-tailed Grouse	NA	NA	Project not located within ecodistrict 6E-17 therefore does not apply.	
		Waterfowl Nesting Area	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Bald Eagle and Osprey Nesting, Foraging and	Unknown	Unknown	Include this information in the	

		Perching habitat			records review report and <u>carry forward</u> to site investigation report.	
		Woodland Raptor Nesting habitat	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Turtle Nesting Areas	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Seeps and Springs	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Amphibian Breeding Habitat (Woodland)	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
		Amphibian Breeding Habitat (Wetlands)	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation report.	
	Animal Movement Corridors (list all that apply)	Amphibians	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation.	
		Deer	Unknown	Unknown	MNR identified a deer yarding area. Therefore a movement corridor is	

					possible. Include this information in the records review report and <u>carry forward</u> to site investigation.	
Species of Conservation Concern (list all that apply)	Marsh Bird Breeding Habitat	Unknown	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation.	
	Woodland Area-Sensitive Breeding Bird Habitat	Unknown	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation.	
	Open Country Breeding Bird Habitat	Unknown	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation.	
	Shrub/Early Successional Bird Breeding Habitat	Unknown	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation.	
	Special Concern Species	Yes	Yes	Yes	milksnake, eastern ribbonsnake, hart's-tongue fern documented in or within 1 km of the proposed site. Note these are only documented species may not represent all potentially occurring species in or within 120 m of the site. Additional species that may be present at the	

				<p>proposed site are; snapping turtle, monarch, red-headed woodpecker, common nighthawk, Canada warbler, golden-winged warbler, short-eared owl.</p> <p>Include this information in the records review report and <u>carry forward</u> to site investigation.</p>	
		S1-S3, SH species and communities		<p>Small-footed bat, northern long-eared bat, harlequin darter, clamp-tipped emerald, scarlet beebalm, and <i>Pottia intermedia</i> (a moss) are documented in or within 1 km of the proposed site. Note these are only documented species may not represent all potentially occurring species in or within 120 m of the site.</p> <p>Include this information in the records review report and <u>carry forward</u> to site investigation.</p> <p>NOTE: occurrence information was</p>	

					provided for features within 1km of the project location.	
		Terrestrial Crayfish	Unknown	Unknown	Include this information in the records review report and <u>carry forward</u> to site investigation.	

Is any portion of the project located within the Oak Ridges Moraine Plan Area? Yes No

If yes, are any of the following features known to be present on or within 120m of the project location?

- Sand Barrens
- Savannah
- Tallgrass Prairie
- Unknown

Is the project location within the Protected Countryside (Greenbelt)? Yes No

If yes, are any of the following features known to be present on or within 120m of the project location?

- Sand Barrens
- Savannah
- Tallgrass Prairie
- Alvar
- Unknown

* Earth Science ANSI only needs to be considered if it is located within 50m of the project location

REOT

District NHA Records Review Template for Renewable Energy Projects

Wind, Solar, Biomass

Ministry of Natural Resources

Renewable Energy Operation Team

July 28, 2011

NHA Records Review

Project Name:	East Durham			
Project Location:	MNR District Midhurst	Municipality Grey County Township of West Grey	Geo.Twp. Lot(s) & Con(s)	Multiple
Applicant:	East Durham Wind, LP (Nextera) Contact: Tom Bird Thomas.bird@nexteraenergy.com	Phone #: 905-335-4904 5500 North Service Road, Suite 205		
Consultant:	LGL Limited (sub-consultant to Genivar) contact: Allison Featherstone afeatherstone@lgl.com Genivar Contact: Terence Rasmussen Terence.rasmussen@genivar.com	Phone #: 905-333-1667 3365 Harvester Road, Burlington, ON L7N 3N2 600 Cochrane St., Markham, ON L3R 5K3		
Generation type:	<input checked="" type="checkbox"/> wind onshore	<input type="checkbox"/> wind offshore	<input type="checkbox"/> solar	<input type="checkbox"/> biomass/biogas
Nameplate Capacity:	23 MW			
Name of MNR Records Reviewer:	Whitney Moore			
Date Records Compiled:	Sept 30, 2011 Revised by Amy Cameron October 4, 2011 (formatting revisions only)			
What EcoDistrict is the project located in?	6E-X			

Feature Type	Present within 120m of project location <small>(yes, no, unknown, N/A)</small>	Present within project location <small>(yes, no, unknown, N/A)</small>	MNR Comments <small>(comments may expand on information provided and/or may include relevant records within the vicinity that were not within project location or 120m of project area)</small>	Information Source <small>(NHIC, district staff, etc. Include the data layer name where possible)</small>
Provincial Park	No	No		NRVIS data
Conservation Reserve	No	No		NRVIS data
Earth Science ANSI*	No	No	Saugeen Kame Terraces Earth Science Provincially Significant ANSI <1 km away from the South West corner of the study area	NRVIS data
Life Science ANSI	No	No	Rocky Saugeen	NRVIS data

				River Provincially Significant ANSI and Traverston Creek Provincially Significant ANSI both ~2.6 km from study area boundary		
Wetland		Yes	Yes	Topcliff Swamp Wetland Complex PSW, Beaver Meadow PSW and Boothville Swamp PSW both within project location as well as an abundance of unevaluated wetlands scattered throughout the study area	NRVIS data	
Woodland		Yes	Yes	Woodlands scattered throughout study area	NRVIS data	
Valleyland		Unknown	Unknown			
Significant Wildlife Habitat	Habitats of Seasonal Concentrations of Animals	Winter deer yards	Yes	Yes	2 Winter deer yards (stratum 2) within northern part of study area as well as 4 other patches of deer year within 2 km of the study area boundary.	NRVIS data
		Moose late winter habitat	N/A	N/A		
		Colonial-Nesting bird breeding habitat (bank and cliff swallows)	Unknown	Unknown		
		Colonial-Nesting bird breeding habitat (tree/shrub)	Unknown	yes	nesting Great Blue heron in the Boothville Swamp PSW	Wetland evaluation records 1989
		Colonial-Nesting bird breeding habitat (ground)	Unknown	Unknown		
		Waterfowl stopover and staging areas (terrestrial)	Unknown	Unknown		
		Waterfowl stopover and staging areas (aquatic)	Unknown	Unknown		
		Waterfowl nesting	Unknown	yes	Waterfowl production listed as	Wetland evaluation

				locally significant for Boothville Swamp PSW and Beaver Meadow PSW	records (1989, 1988)	
		Shorebird migratory stopover areas	Unknown	Unknown		
		Songbird migratory stopover areas	Unknown	Unknown		
		Landbird migratory stopover areas	Unknown	Unknown		
		Raptor winter feeding and roosting areas	Unknown	Unknown		
		Wild turkey winter range	Unknown	Unknown		
		Turkey vulture summer roosting areas	Unknown	Unknown		
		Reptile hibernacula (snakes)	Unknown	Unknown		
		Bat hibernacula	Unknown	Unknown		
		Bat maternity colonies	Unknown	Unknown		
		Bullfrog concentration Areas	Unknown	yes	Boothville Swamp PSW	
		Amphibian breeding habitat (woodland)	Unknown	Unknown	Wetland evaluation record (1989)	
		Amphibian breeding habitat (wetland)	Unknown	Unknown		
		Migratory butterfly stopover areas	Unknown	Unknown		
Rare Vegetation Communities or Specialized Habitats for Wildlife		Alvars	Unknown	Unknown		
		Tall-grass prairies	Unknown	Unknown		
		Savannahs	Unknown	Unknown		
		Rare forest types	Unknown	Unknown		
		Talus slopes	Unknown	Unknown		
		Rock barrens	Unknown	Unknown		
		Sand barrens	Unknown	Unknown		
		Great Lake dunes	Unknown	Unknown		
		Habitat for Area Sensitive Species	Unknown	Unknown		
		Forests providing high diversity of habitats	Unknown	Unknown		
		Old-growth or mature forest stands	Unknown	Unknown		
		Foraging areas with abundant mast	Unknown	Unknown		
		Amphibian woodland breeding ponds	Unknown	Unknown		
		Turtle nesting habitat	Unknown	Unknown	Snapping turtles identified in Beaver Meadow PSW	Wetland evaluation record (1988)

Comment [LR1]: Could not find reference to bullfrog in list of amphibians – bullfrog listed as 'absent' in checklist of wetland data record

		Turtle over-wintering habitat	Unknown	Unknown		
		Woodland raptor nesting habitat	Unknown	Unknown		
		Osprey nesting, foraging and perching habitat	Unknown	Unknown		
		Moose calving areas	N/A	N/A		
		Moose aquatic feeding areas	N/A	N/A		
		Mineral licks	Unknown	Unknown		
		Mink, otter, marten, and fisher denning sites	Unknown	Unknown	Mink present in Boothville Swamp	Wetland evaluation records (1989)
		Highly diverse areas	Unknown	Unknown		
		Ciffs	Unknown	Unknown		
		Seeps and springs	Unknown	Unknown		
	Animal Movement Corridors <small>(list all that apply)</small>	Deer	Unknown	Unknown		
		Amphibians	Unknown	Unknown		
	Species of Conservation Concern <small>(list all that apply)</small>	Marsh Bird Breeding Habitat	Unknown	Unknown		
		Area Sensitive Breeding Birds	Unknown	Unknown		
		Open Country Breeding Bird Habitat	Unknown	Unknown		
		Shrub/Early Successional Bird Breeding Habitat	Unknown	Unknown		
		Special Concern Species	Hart's Tongue Fern, Eastern Ribbonsnake,	Eastern Milksnake, Common Nighthawk, Canada Warbler, Red-headed Woodpecker, Snapping Turtle		
		S1-S3, SH species and communities	Clam-tipped Emerald, Northern Long eared Bat, Harlequin Darner			

Is any portion of the project located within the Oak Ridges Moraine Plan Area? Yes No

If yes, are any of the following features known to be present on or within 120m of the project location?

- Sand Barrens
- Savannah
- Tallgrass Prairie
- Unknown

Is the project location within the Protected Countryside (Greenbelt)? Yes No

If yes, are any of the following features known to be present on or within 120m of the project location?

- Sand Barrens
- Savannah
- Tallgrass Prairie

- Alvar
- Unknown

* Earth Science ANSI only needs to be considered if it is located within 50m of the project location

