



MTE File No.: 50191-100  
 MTE Contact: Zach Anderson  
 Project Name: Secret Garden Subdivision  
 Date: December 2, 2021

**Client/Owner:** Olivia Construction

**Address:** 1797 South Cameron Blvd, Windsor, ON N9B 3P6

**Email:** ashrafbotros@icloud.com

**Assessment:** The Subject Lands are unlikely to contain suitable critical habitat for any Protected Species. No floral or faunal Protected Species were identified during field investigations and no potential suitable habitat for protected species exists within the Subject Lands. It is our opinion that the proposed activity will not contravene the ESA as long as recommended best management practices and mitigation measures are followed.

<b>Property Information:</b>	See Location Figure Attached [Figure 1]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Lot, Concession, County, City:</b>	Part Lot 105, Concession 2, Township of Sandwich East, City of Windsor	
<b>GPS Centroid:</b>	17T, 337679mE, 4684590mN	
<b>Figures and Background Data Attachments:</b>	Site Location Map Attached [Figure 1]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Vegetation Map Attached [Figure 2]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Site Photos Attached [Figure 3]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Proponent Proposal [Figures 4]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	NHIC Data Attached	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (1km <sup>2</sup> 17LG3784)
	Ontario Breeding Bird Atlas Attached	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (10km <sup>2</sup> , 17LG38)
	eBird Data Attached	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (2km radius)
	Ontario Reptile and Amphibian Atlas Attached	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (10km <sup>2</sup> , 17LG38)
	iNaturalist Data Attached	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (2km radius)
	Mitigation Measures [See Page 3]	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Field Sheets [Appendix A]	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	Aquatic SAR Report [Appendix B]	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Similar to LIO Maps?</b>	<input type="checkbox"/> Similar <input checked="" type="checkbox"/> Not Similar	Explanation: LIO mapping shows historic residence on property. This house has been removed.
<b>Site Description, Current Status of Vegetation and History of Maintenance</b>	The Subject Lands are located in the City of Windsor northwest of the intersection of Tourangeau Road and Plymouth Road. Prior to 2016 the northern half of the Subject Lands contained a residential property (with driveway access from the west). The residential building was removed sometime in 2016 prior to the current landowner's acquisition of the lot. As a result, the lot appears heavily disturbed with old concrete rubble, brush piles from vegetation removal, and garbage present. The current state of the property is how the landowner acquired the lot.	
Site Investigation Dates: <b>November 11, 2021</b>	Vegetation within the Subject Lands is primarily maintained lawn; with maintenance have been occurring bi-weekly on the site (correspondence from landowner). Community 1 within the Subject Lands is a Mineral Cultural Thicket (CUT1) community that is present in pockets across the lot. This community is dominated by Gray Dogwood, Multiflora Rose, Riverbank Grape, and young White Mulberry. Additional ornamental species are found throughout the Subject Lands, generally towards the edges of the lot, including Canada Yew, American Persimmon, and River Birch.	



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<b>Site Investigations Summary Based on Review of Background Information and Current Site Conditions</b>	<p>The Natural Heritage Information Center (NHIC) identifies Endangered [END], Threatened [THR] and other rare species with the potential to be found on or near the Subject Lands [Attached]. Additional life science data available for the general area was also reviewed [Attached].</p> <p><b>Life Science Surveys:</b></p> <ul style="list-style-type: none"> <li>• General Field Investigations</li> <li>• Incidental Wildlife Encounters</li> </ul> <p><b>Results of Site Investigations [Field Sheets]:</b></p> <ul style="list-style-type: none"> <li>• No habitat, nor individuals of, protected species found within the Subject Lands</li> <li>• No suitable habitat for turtles</li> <li>• No terrestrial crayfish burrows identified within the Subject lands</li> <li>• No candidate maternity roost trees identified.</li> </ul>
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<b>Proposed Activities</b>	
<b>Description of Proposal:</b>	The current development proposal for the Subject Lands is for 10 duplex residential lots (20 units) with road access from Allyson Road connecting to the existing Tourangeau Road. The site will be serviced with existing water and sewer infrastructure.
<b>Timing and Duration of Proposed Activity:</b>	
<b>History and Planning</b>	
<b>Planning Amendments:</b>	Official Plan Amendment: None Zoning Amendment: None
<b>Existing Status:</b>	Official Plan: Residential (City of Windsor Official Plan – Schedule D, 2020) Zoning: Current Zoning is Residential 2 (RD2.1)
<b>Past MECP Correspondence , if any:</b> None	
<b>Summary Conclusion</b> (NHIC and Citizen Science Data, Site Investigation)	
<p>Based on site investigations and a review of all background data (NHIC and Citizen Science), no ESA concerns have been identified for the Subject Lands. No suitable habitat, nor individuals of, protected species were identified within the Subject Lands during site investigations. No additional site investigations have been proposed for the Subject Lands given that no suitable habitat was identified.</p> <p>It is our opinion that the proposed activity will not contravene the ESA as long as general best management practices for works are followed. These measures include, but are not limited to, sediment and erosion control measures and restrictive timing windows for vegetation removal to protect nesting birds under the <i>Migratory Birds Convention Act</i>.</p>	



Figure 1: Site Location  
(2019 City of Windsor Air Photo)



0 1,000  
Scale 1:50,000  
Key Plan

\* Locations are approximate and should be verified by survey where necessary.

Print on 11X17, Landscape Orientation

0 20

Scale 1:1000

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Figure 2: Vegetation Communities  
(2019 City of Windsor Air Photo)



0 1,000  
Scale 1:50,000  
Key Plan

**Legend**

- 1 - Mineral Cultural Thicket Ecosite (CUT1)
- 2 - Maintained Mowed Lawn (Maintained bi-weekly)

\* Locations are approximate and should be verified by survey where necessary.

Print on 11X17, Landscape Orientation

0 20

Scale 1:1000

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Figure 3: Site Photos  
(2019 City of Windsor Air Photo)



0 1,000  
Scale 1:50,000  
Key Plan

**Legend**

- 1 - Mineral Cultural Thicket Ecosite (CUT1)
- 2 - Maintained Mowed Lawn (Maintained bi-weekly)

\* Locations are approximate and should be verified by survey where necessary.

Print on 11X17, Landscape Orientation

0 20

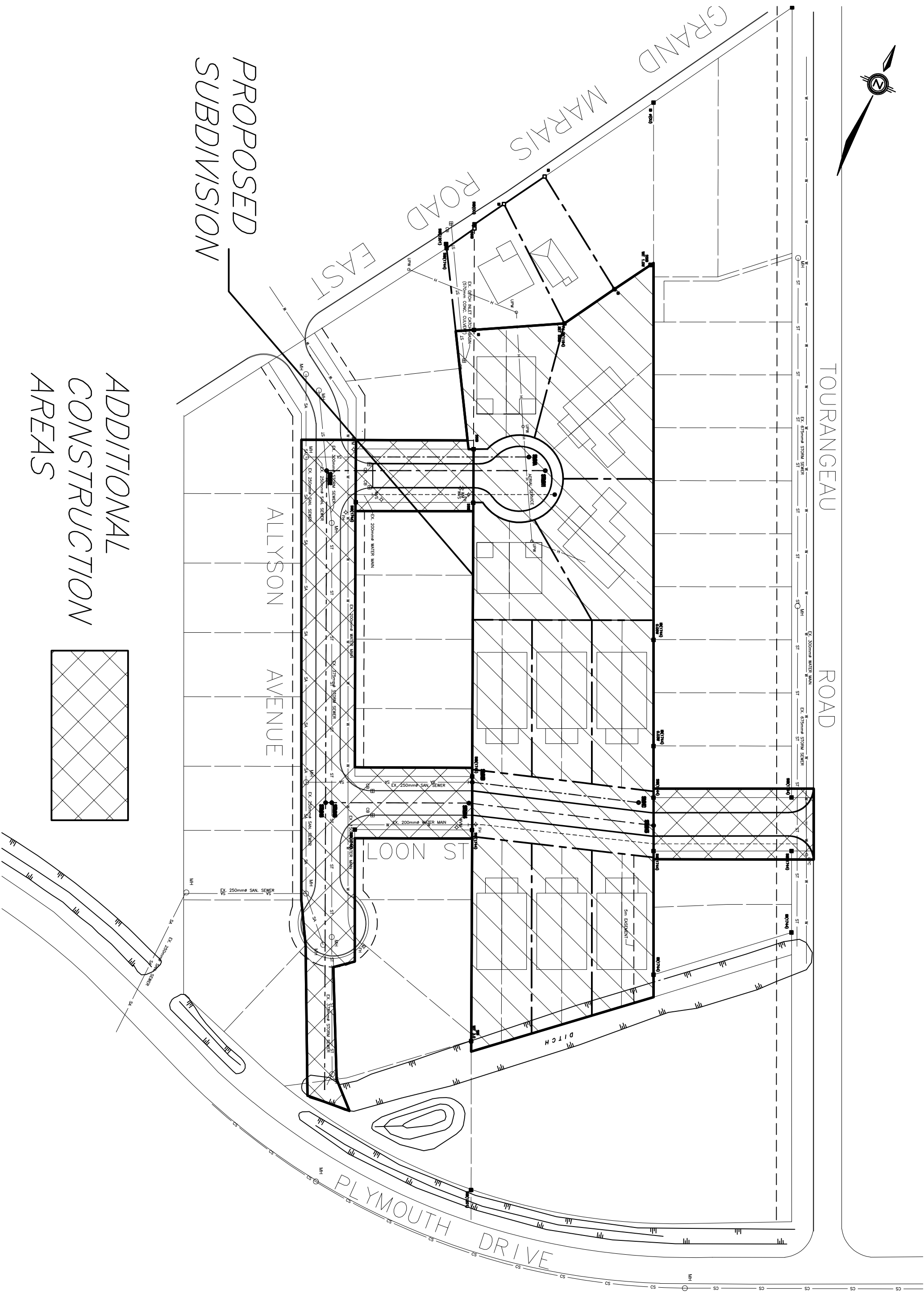
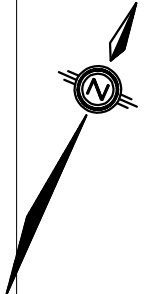
Scale 1:1000

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Figure 4: Development Proposal



PROPOSED  
SUBDIVISION

ADDITIONAL  
CONSTRUCTION  
AREAS

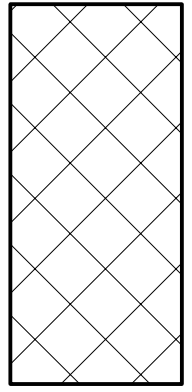




Figure 5: Site Plan Overlay  
(2019 City of Windsor Air Photo)



0 1,000  
Scale 1:50,000  
Key Plan

**Legend**

- 1 - Mineral Cultural Thicket Ecosite (CUT1)
- 2 - Maintained Mowed Lawn (Maintained bi-weekly)

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Print on 11X17, Landscape Orientation

0 20

Scale 1:1000

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# Appendix A

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## Field Sheets





### GENERAL SITE INFORMATION FIELD SHEET

Project: Secret Garden Subdivision (509A1-100)  
 Date: Nov 11, 2021 Project Manager: DH  
 Collector(s): EA Visit #: 2  
 Time started: 10:00 Time finished: 11:15 Combined collectors' hours: 1.25  
 NHIC List  MNR EO's  none  not provided to collector

WEATHER CONDITIONS				WIND SCALE			
Temp. <u>70C</u>	Wind: <u>2</u>	Cloud Cover (%) <u>30%</u>	Precipitation	0	Calm		
	Direction: <u>✓</u>		Today: <u>none</u>	1	Smoke Drifts		
			Yesterday: <u>none</u>	2	Wind Felt on Face		
DATA FOCUS				3	Leaves in constant motion		
<input type="checkbox"/>	Birds 1_2_Mig	<input type="checkbox"/>	ELC's	<input type="checkbox"/>	Dripline/Tree Survey	4	Wind raises dust and paper
<input type="checkbox"/>	Mammals	<input checked="" type="checkbox"/>	Floral V__S__A	<input type="checkbox"/>	Aquatic - Physical	5	Small trees sway
<input type="checkbox"/>	Amphibians 1_2_3	<input type="checkbox"/>	Wetland	<input type="checkbox"/>	Aquatic - Biological	6	Large branches sway
<input type="checkbox"/>	Reptiles	<input type="checkbox"/>	Butternut (BHA)	<input checked="" type="checkbox"/>	Faunal Habitat	7	Lots of resistance when walking into
<input type="checkbox"/>	Invertebrates	<input type="checkbox"/>	other SAR	<input checked="" type="checkbox"/>	Other - see notes	8	Limbs breaking off trees
FEATURES (with GPS co-ordinates where applicable)				Mapped		Follow-up Req'd	
Man-made Structures: <input type="checkbox"/> None observed				UTM	Yes	No	Who
Yes No							
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Barns/Footings/Wells/other(list)					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rock Piles					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Garbage					
Natural Vegetation: <input type="checkbox"/> None observed							
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fallen Logs outside woods (#s)					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Brush Piles					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Snags (raptor perch)					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Tree Cavities (nesting)					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sentinel Trees					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Butternut Identified					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mast Trees (6E)	<input type="checkbox"/> Berry Shrubs (6E)				
Wildlife Features: <input type="checkbox"/> None observed							
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Waterfowl nesting (large #s, # of species)					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exposed Banks (nesting swallows)					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stick Nests					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Animal Burrows (>10cm)					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Heronry					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Crayfish mounds					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sand/gravel on site					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marsh/open country/shrub					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Winter Deer yards					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Corridor from pond to woods (amphibian movement)					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bat corridor (shorelines, escarpments)					
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bat hibernacula (caves, mines, crevices, etc.)					
Aquatic Features:							
<input type="checkbox"/>	<input type="checkbox"/>	Perm. pond in woodland	<input type="checkbox"/> emergents/submergents/logs	<input type="checkbox"/>	temp.		
<input type="checkbox"/>	<input type="checkbox"/>	Perm. pond in open	<input type="checkbox"/> emergents/submergents/logs	<input type="checkbox"/>	temp.		
<input type="checkbox"/>	<input type="checkbox"/>	Water in woodland	<input type="checkbox"/> pools <input type="checkbox"/> flowing <input type="checkbox"/> dry				
<input type="checkbox"/>	<input type="checkbox"/>	Waterways	flowing dry pools				
<input type="checkbox"/>	<input type="checkbox"/>	natural stream	<input type="checkbox"/>	<input type="checkbox"/>			
<input type="checkbox"/>	<input type="checkbox"/>	swale	<input type="checkbox"/>	<input type="checkbox"/>	None observed		
<input type="checkbox"/>	<input type="checkbox"/>	open drain	<input type="checkbox"/>	<input type="checkbox"/>			
<input type="checkbox"/>	<input type="checkbox"/>	Seeps/Springs	<input type="checkbox"/>	<input type="checkbox"/>			
Incidental Observations/Notes:							
<u>BIGS</u>		<u>- site heavily</u>	<u>Well Tag: A242685</u>				
<u>WTSP</u>		<u>disturbed</u>	<u>A242687</u>				
<u>DEJU</u>							
<u>NOCA</u>		<u>- evidence of tree cutting/removal</u>					
<u>AMRO</u>							
<u>FOSP</u>							



# Appendix B

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## NHIC Background Information





Primary 1km <sup>2</sup> – 17LG3784				
Common Name	Scientific Name	S Rank	SARO Status	Last Obs Date
None	N/A	N/A	N/A	N/A

Adjacent to Primary 1km <sup>2</sup> – 17LG3784				
Common Name	Scientific Name	S Rank	SARO Status	Last Obs Date
Bobolink	<i>Dolichonyx oryzivorus</i>	N/A	THR	N/A
Kentucky Coffee-tree	<i>Gymnocladus dioicus</i>	N/A	THR	N/A
Butler's Gartersnake	<i>Thamnophis butleri</i>	N/A	END	N/A

A number of relatively common and/or widespread species and habitats protected under the ESA are under-represented or unevaluated within the NHIC Database. As a result, surveyors included the following species and habitats as a component of site investigations, including: Candidate Myotis [END] Roost Trees, Butternut [END], American Chestnut [END] and habitat (burrows) for American Badger [END].

**NHIC Data Review**

**Bobolink [THR]:**  
 There are no tallgrass prairies or open meadows within the Subject Lands to provide suitable habitat for this species. There were no Bobolink [THR] individuals or nests observed within the Subject Lands during completed field investigations.

**Kentucky Coffee-tree [THR]:**  
 This species is found in a variety of habitats but grows the best in moist, rich soil, often along floodplains of creeks and streams. It is a shade intolerant species that grows best on the edges of woodlands and along stream banks (Ontario.ca). There were no individuals of this tree species identified within the Subject Lands during completed site investigations.

**Butler's Gartersnake [END]:**  
 There is not potential for this species to be present within the Subject Lands due to their habitat requirements for open, moist habitats such as grasslands, old fields, and small wetlands. The Subject Lands have been regularly maintained (mowed) since purchase so as to not allow the area to become fallowed. No terrestrial crayfish burrows were observed on site which are a known hibernaculum feature for this species. In addition, the Subject Lands are largely disconnected from other natural areas and are surrounded by existing residential properties. No individuals were identified within the Subject Lands during site investigations.

**Summary:**

Site investigations of the property did not locate any species, nor suitable habitat for species, identified by NHIC within the Subject Lands.

# Appendix C

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## **Citizen Science Background Information**



## Citizen Science Data Review

### Ontario Breeding Bird Atlas (2005)

(within 10km Square 17LG 38 which includes Project Site)

Species	SARO Rank	Max. Breeding Evidence	Protected or Suitable Habitat	NHIC
Chimney Swift	THR	V	None	No
Acadian Flycatcher	END	P	None	No
Barn Swallow	THR	FY	None	No
Bobolink	THR	AE	None	Yes (adjacent)
Eastern Meadowlark	THR	FY	None	No

### eBird

(within 2 km from Project Site)

Species	SARO Rank	Observation Date	Protected or Suitable Habitat	NHIC
None	N/A	N/A	N/A	N/A

### iNaturalist

(Research Grade; Threatened within 2km from Project Site)

Species	SARO Rank	Observation Date	Protected or Suitable Habitat	NHIC
None	N/A	N/A	N/A	N/A

### Ontario Reptile and Amphibian Atlas

(within 10km Square 17LG38 which includes Project Site)

Species	SARO Rank	Observation Date	Suitable Protected Habitat?	NHIC
None	N/A	N/A	N/A	N/A

### Additional Citizen Science Data Summary Review

A number of species protected under the *ESA* (2007) have been identified through various citizen science projects within the vicinity of the Subject Lands. Habitat requirements for these species were reviewed and compared to the vegetation communities present within the Subject Lands.

#### Acadian Flycatcher [END]:

There are no mature, shady forests with ravines within the Subject Lands to provide suitable habitat for this species. There were no Acadian Flycatcher [END] individuals or nests observed within the Subject Lands during field investigations.

#### Chimney Swift [THR]:

There are no cave walls, hollow trees, tree cavities, or anthropogenic chimney structures within the Subject Lands to provide suitable nesting habitat for this species. There were no Chimney Swift individuals or nests observed within the Subject Lands during field investigations.

#### Barn Swallow [THR]:

There are no bridges, building overhangs, large abandoned structures, or culverts within or adjacent to the Subject Lands to provide suitable nesting habitat for this species. There were no Barn Swallow individuals or old nests observed within the Subject Lands during field investigations.



## Citizen Science Data Review

**Bobolink and Eastern Meadowlark [THR]:**

There are no tallgrass prairies or open meadows within the Work Area to provide suitable habitat for these grassland bird species. There were no Bobolink [THR] or Eastern Meadowlark [THR] individuals or nests observed within the Subject Lands during field investigations.

**Summary: Citizen Science Data**

There is no suitable habitat within the Subject Lands for any of the other above listed Protected Species identified based on previously discussed investigation results and background data review (Ontario.ca).