

300051670 Snell’s Hollow CEISMP  
Appendix G: Breeding Bird Survey Summary Table  
Surveys Conducted by: Nadine Price and Meredith Meeker

Common Name	Scientific Name	Provincial SRANK <sup>1</sup>	Provincial SARO (Endangered Species Act, 2007) <sup>2</sup>	Federal COSEWIC <sup>3</sup>	Federal SARA (Species at Risk Act) <sup>3</sup>	Federal SARA Schedule <sup>4</sup>	Provincial MNRFA Sensitive Species <sup>5</sup>	TRCA Fauna Rank <sup>6</sup>	Highest Number Recorded (All Habitat Units Combined)	Highest Recorded Breeding Evidence <sup>7</sup>	Comments
Alder Flycatcher	<i>Empidonax alhorum</i>	S5B						L4	1	POSS (S)	
American Crow	<i>Corvus brachyrhynchos</i>	S5B						L5	5	POSS (S)	
American Goldfinch	<i>Spinus tristis</i>	S5B						L5	63	PROB (T)	
American Redstart	<i>Setophaga ruticilla</i>	S5B					Yes	L4	9	PROB (T)	
American Robin	<i>Turdus migratorius</i>	S5B						L5	33	CONF (CF)	
American Woodcock	<i>Scolopax minor</i>	S4B						L3	2	CONF (NU)	American Woodcock was heard calling incidentally during amphibian survey on April 6, 2020 and observed during turtle basking survey on April 27, 2020; a nest (broken eggshells) was found during a turtle nesting survey in early spring.
Baltimore Oriole	<i>Icterus galbula</i>	S4B						L5	8	PROB (T)	
Barn Swallow	<i>Hirundo rustica</i>	S4B	SC	SC	THR			L4	11	Observed (X)	Flyover. None recorded on or in the structures present on the subject property. Observed entering/exiting potential nesting site located outside of the subject property limits.
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>	S5B						L3	7	PROB (T)	
Black-capped Chickadee	<i>Poecile atricapillus</i>	S5						L5	13	CONF (CF)	Mating pair feeding young, entering and exiting nesting cavity; observed during bat habitat survey on April 24, 2020.
Blue Jay	<i>Cyanocitta cristata</i>	S5						L5	10	POSS (S)	
Brown-headed Cowbird	<i>Molothrus ater</i>	S4B						L5	25	PROB (T)	

Common Name	Scientific Name	Provincial SRANK <sup>1</sup>	Provincial SARO (Endangered Species Act, 2007) <sup>2</sup>	Federal COSEWIC <sup>3</sup>	Federal SARA (Species at Risk Act) <sup>3</sup>	Federal SARA Schedule <sup>4</sup>	Provincial MNRFA Sensitive Species <sup>5</sup>	TRCA Fauna Rank <sup>6</sup>	Highest Number Recorded (All Habitat Units Combined)	Highest Recorded Breeding Evidence <sup>7</sup>	Comments
Canada Goose	<i>Branta canadensis</i>	S5						L5	142	CONF (FY)	Mostly flyovers; pair with six young observed on April 27, 2020.
Cedar Waxwing	<i>Bombycilla cedrorum</i>	S5B						L5	28	PROB (T)	
Chipping Sparrow	<i>Spizella passerina</i>	S5B						L5	8	PROB (N)	
Common Grackle	<i>Quiscalus quiscula</i>	S5B						L5	27	CONF (CF)	
Common Raven	<i>Corvus corax</i>	S5						L4	2	Observed (X)	Flyover.
Common Yellowthroat	<i>Geothlypis trichas</i>	S5B						L4	15	PROB (T)	
Cooper's Hawk	<i>Accipiter cooperii</i>	S4					Yes	L4	1	Observed (X)	Flyover.
Downy Woodpecker	<i>Picoides pubescens</i>	S5						L5	4	POSS (S)	
Eastern Kingbird	<i>Tyrannus tyrannus</i>	S4B						L4	16	PROB (N)	
Eastern Phoebe	<i>Sayornis phoebe</i>	S5B						L5	1	POSS (H)	
Eastern Wood-Pewee	<i>Contopus virens</i>	S4B	SC	SC	SC			L4	2	POSS (S)	Recorded in CUM1-1 and central CVR_4 ecosites. Breeding habitat considered to be adjacent FOM ecosite.
European Starling	<i>Sturnus vulgaris</i>	SNA						L+	49	CONF (FY)	
Field Sparrow	<i>Spizella pusilla</i>	S4B						L3	6	PROB (T)	
Gray Catbird	<i>Dumetella carolinensis</i>	S4B						L4	16	PROB (T)	
Great Blue Heron	<i>Ardea herodias</i>	S4						L3	21	Observed (X)	Flyover.
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	S4B						L4	2	POSS (S)	
Green Heron	<i>Butorides virescens</i>	S4B						L4	4	POSS (S)	One perched in tree calling repeatedly at MAS3-1. Three others observed as flyovers.
Herring Gull	<i>Larus argentatus</i>	S5B, S5N						L3	3	Observed (X)	Flyover.
Horned Lark	<i>Eremophila alpestris</i>	S5B						L3	9	PROB (T)	
House Finch	<i>Haemorhous mexicanus</i>	SNA						L+	6	POSS (S)	
House Sparrow	<i>Passer domesticus</i>	SNA						L+	2	POSS (H)	
House Wren	<i>Troglodytes aedon</i>	S5B						L5	1	POSS (S)	
Indigo Bunting	<i>Passerina cyanea</i>	S4B						L4	2	PROB (T)	



Common Name	Scientific Name	Provincial SRANK <sup>1</sup>	Provincial SARO (Endangered Species Act, 2007) <sup>2</sup>	Federal COSEWIC <sup>3</sup>	Federal SARA (Species at Risk Act) <sup>3</sup>	Federal SARA Schedule <sup>4</sup>	Provincial MNRFArea Sensitive Species <sup>5</sup>	TRCA Fauna Rank <sup>6</sup>	Highest Number Recorded (All Habitat Units Combined)	Highest Recorded Breeding Evidence <sup>7</sup>	Comments
Killdeer	<i>Charadrius vociferus</i>	S5B, S5N						L4	23	CONF(AE)	Nest with eggs confirmed on May 13, 2020 near SWM pond.
Mallard	<i>Anas platyrhynchos</i>	S5						L5	15	POSS (H)	
Mourning Dove	<i>Zenaida macroura</i>	S5						L5	27	PROB (P)	
Northern Cardinal	<i>Cardinalis cardinalis</i>	S5						L5	16	PROB (T)	
Northern Flicker	<i>Colaptes auratus</i>	S4B						L4	1	POSS (H)	
Orchard Oriole	<i>Icterus spurius</i>	S4B						L5	9	PROB (T)	
Osprey	<i>Pandion haliaetus</i>	S5B						L3	3	Observed (X)	Flyover.
Red-eyed Vireo	<i>Vireo olivaceus</i>	S5B						L4	2	POSS (S)	
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	S4						L5	127	CONF (CF)	
Ring-billed Gull	<i>Larus delawarensis</i>	S5B, S4N						L4	42	Observed (X)	Flyover.
Rock Pigeon	<i>Columba livia</i>	SNA						L+	6	POSS (H)	
Savannah Sparrow	<i>Passerculus sandwichensis</i>	S4B						L4	8	PROB (N)	
Song Sparrow	<i>Melospiza melodia</i>	S5B						L5	49	CONF (CF)	
Sora	<i>Porzana carolina</i>	S4B						L3	1	POSS (S)	Responded to playback.
Spotted Sandpiper	<i>Actitis macularius</i>	S5						L4	7	POSS (S)	
Swamp Sparrow	<i>Melospiza georgiana</i>	S5B						L4	15	PROB (P)	
Tree Swallow	<i>Tachycineta bicolor</i>	S4B						L4	25	POSS (H)	
Turkey Vulture	<i>Cathartes aura</i>	S5B						L5	9	Observed (X)	Flyover.
Virginia Rail	<i>Rallus limicola</i>	S5B						L3	2	POSS (S)	
Warbling Vireo	<i>Vireo gilvus</i>	S5B						L5	9	POSS (S)	
Willow Flycatcher	<i>Empidonax traillii</i>	S5B						L4	26	PROB (T)	
Wood Duck	<i>Aix sponsa</i>	S5B, S3N						L4	1	POSS (H)	Observed during turtle nesting surveys. Female flying low towards SWD ecosite.
Yellow Warbler	<i>Setophaga petechia</i>	S5B						L5	40	CONF (CF)	
TOTAL SPECIES	58										

### <sup>1</sup>**S-Ranks (provincial)**

Provincial (or Subnational) ranks are used by the Natural Heritage Information Centre (NHIC) to set protection priorities for rare species and natural communities. These ranks are not legal designations. Provincial ranks are assigned in a manner similar to that described for global ranks, but consider only those factors within the political boundaries of Ontario (Please refer to: <http://explorer.natureserve.org/nsranks.htm>)

**SX — Presumed Extirpated** - Species or community is believed to be extirpated from the province. Not located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered.

**SH — Possibly Extirpated (Historical)** - Species or community occurred historically in the province, and there is some possibility that it may be rediscovered. Its presence may not have been verified in the past 20–40 years. A species or community could become SH without such a 20-40 year delay if the only known occurrences in a province were destroyed or if it had been extensively and unsuccessfully looked for. The SH rank is reserved for species or communities for which some effort has been made to relocate occurrences, rather than simply using this status for all elements not known from verified extant occurrences.

**S1 — Critically Imperiled** - Critically imperiled in the province or state because of extreme rarity (often 5 or fewer occurrences) or because of some factor(s) such as very steep declines making it especially vulnerable to extirpation from the province.

**S2 — Imperiled** - Imperiled in the province because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to extirpation from the province.

**S3 — Vulnerable** - Vulnerable in the province due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation.

**S4 — Apparently Secure** - Uncommon but not rare; some cause for long-term concern due to declines or other factors.

**S5 — Secure** - Common, widespread, and abundant in the province.

**SNR — Unranked** - Province conservation status not yet assessed.

**SU — Unrankable** - Currently unrankable due to lack of information or due to substantially conflicting information about status or trends.

**SNA — Not Applicable** - A conservation status rank is not applicable because the species is not a suitable target for conservation activities.

**S#S# — Range Rank** - A numeric range rank (e.g., S2S3) is used to indicate any range of uncertainty about the status of the species or community. Ranges cannot skip more than one rank (e.g., SU is used rather than S1S4).

**S#? – Inexact or Uncertain** - Denotes inexact or uncertain numeric rank.

### **Breeding Status Qualifiers**

B – Breeding Conservation status refers to the breeding population of the species in the nation or state/province.

N – Nonbreeding Conservation status refers to the non-breeding population of the species in the province.

M – Migrant species occurring regularly on migration at particular staging areas or concentration spots where the species might warrant conservation attention. Conservation status refers to the aggregating transient population of the species in the province.

### <sup>2</sup>**SARO *Endangered Species Act, 2007***

(provincial status from <http://www.ontario.ca/environment-and-energy/how-species-risk-are-listed#section-3>)

The provincial review process is implemented by the MNRF's Committee on the Status of Species at Risk in Ontario (COSSARO).

**Extinct** - A species that no longer exists anywhere.

**Extirpated (EXT)** - Lives somewhere in the world, and at one time lived in the wild in Ontario, but no longer lives in the wild in Ontario.

**Endangered (END)** - Lives in the wild in Ontario but is facing imminent extinction or extirpation.

**Threatened (THR)** - Lives in the wild in Ontario, is not endangered, but is likely to become endangered if steps are not taken to address factors threatening it.

**Special concern (SC)** - Lives in the wild in Ontario, is not endangered or threatened, but may become threatened or endangered due to a combination of biological characteristics and identified threats.

**Not at Risk (NAR)** - A species that has been evaluated and found to be not at risk.

**Data Deficient (DD)** - A species for which there is insufficient information for a provincial status recommendation.

### <sup>3</sup>**SARA (Federal *Species at Risk Act*) Status and Schedule (includes COSEWIC Status)**

The Act establishes Schedule 1, as the official list of wildlife species at risk. It classifies those species as being either Extirpated, Endangered, Threatened, or Special Concern. Once listed, the measures to protect and recover a listed wildlife species are implemented.

**Extinct** - A wildlife species that no longer exists.

**Extirpated (EXT)** - A wildlife species that no longer exists in the wild in Canada but exists elsewhere.

**Endangered (END)** - A wildlife species facing imminent extirpation or extinction.

**Threatened (THR)** - A wildlife species that is likely to become an endangered if nothing is done to reverse the factors leading to its extirpation or extinction.

**Special Concern (SC)** - A wildlife species that may become threatened or endangered because of a combination of biological characteristics and identified threats.

**Data Deficient (DD)** - A category that applies when the available information is insufficient (a) to resolve a wildlife species' eligibility for assessment or (b) to permit an assessment of the wildlife species' risk of extinction.

**Not At Risk (NAR)** - A wildlife species that has been evaluated and found to be not at risk of extinction given the current circumstances.

### <sup>4</sup>**SARA Schedule**

**Schedule 1:** is the official list of species that are classified as extirpated, endangered, threatened, and of special concern.



**Schedule 2:** species listed in Schedule 2 are species that had been designated as endangered or threatened and have yet to be re-assessed by COSEWIC using revised criteria. Once these species have been re-assessed, they may be considered for inclusion in Schedule 1.

**Schedule 3:** species listed in Schedule 3 are species that had been designated as special concern and have yet to be re-assessed by COSEWIC using revised criteria. Once these species have been re-assessed, they may be considered for inclusion in Schedule 1.

The Act establishes Schedule 1 as the official list of wildlife species at risk. However, please note that while Schedule 1 lists species that are extirpated, endangered, threatened and of special concern, the prohibitions do not apply to species of special concern.

Species that were designated at risk by COSEWIC prior to October 1999 (Schedule 2 & 3) must be reassessed using revised criteria before they can be considered for addition to Schedule 1 of SARA. After they have been assessed, the Governor in Council may on the recommendation of the Minister, decide on whether they should be added to the List of Wildlife Species at Risk.

<sup>5</sup>Source: Ontario Ministry of Natural Resources. 2000. *Significant Wildlife Habitat Technical Guide & Appendices*.

**<sup>6</sup>TRCA Fauna Ranks and Scores for the TRCA Jurisdiction, 2019**

- L1 – Species of Regional Conservation Concern, regionally scarce due to either accidental occurrence or extreme sensitivity to human impacts
- L2 – Species of Regional Conservation Concern, somewhat more abundant and generally slightly less sensitive than L1 species
- L3 - Species of Regional Conservation Concern, generally less sensitive and more abundant than L1 and L2 ranked species
- L4 – Species of Urban Concern, occur throughout the region but could show declines if urban impacts are not mitigated effectively
- L5 – Species that are considered secure through the region
- L+ - Introduced species, not native to the Toronto region
- LX – Extirpated species, species not recorded in the region in the past 10 years
- LS – sporadic breeder, species not recorded in the region in the past 10 years

**<sup>7</sup>Ontario Breeding Bird Atlas - Breeding Evidence Codes**

Observed		Possible		Probable		Confirmed	
X	Species observed in its breeding season (no breeding evidence).	H	Species observed in its breeding season in suitable nesting habitat.	P	Pair observed in suitable nesting habitat in nesting season.	DD	Distraction display or injury feigning.
		S	Singing male(s) present, or breeding calls heard, in suitable nesting habitat in breeding season.	T	Permanent territory presumed through registration of territorial behaviour (song, etc.) on at least two days, a week or more apart, at the same place.	NU	Used nest or eggshells found (occupied or laid within the period of the survey).
				D	Courtship or display, including interaction between a male and a female or two males, including courtship feeding or copulation.	FY	Recently fledged young (nidicolous species) or downy young (nidifugous species), including incapable of sustained flight.
				V	Visiting probable nest site	AE	Adult leaving or entering nest sites in circumstances indicating occupied nest.
				A	Agitated behaviour or anxiety calls of an adult.	FS	Adult carrying fecal sac.
				B	Brood Patch on adult female or cloacal protuberance on adult male.	CF	Adult carrying food for young.
				N	Nest-building or excavation of nest hole.	NE	Nest containing eggs.
						NY	Nest with young seen or heard.



## Amphibian Call Survey<sup>1</sup>

Project No.: 300043952	Project Name: Snell's Hollow		
Number of Stations: 4	Field Staff: NP, S.L.R.		
Station ID: 1	Station Direction: E	Time (24hr): 21:59	Date: Apr. 24/19
Start Time (24hr): 21:59	End Time (24hr): 22:02	RH (%):	Water Temp °C
Air Temp °C Start: 6	Air Temp °C End: 6	Overnight Temp °C (21:00 to 5:00):	
Beaufort Wind Scale <sup>1</sup> : 2	Sky Code <sup>2</sup> : 1	High: 9	Low: 3
UTM: 595248 Easting 481431 Northing	Precipitation (y/n): N		
Vegetation Unit Reference (where applic.):			

Landscape Context		Water Feature	
<input type="checkbox"/> Upland Forest		<input type="checkbox"/> Excavated Ditch/Pond	
<input type="checkbox"/> Treed Swamp		<input type="checkbox"/> Natural swale/depression/pond	
<input checked="" type="checkbox"/> Marsh/Thicket Swamp		<input type="checkbox"/> Impoundment	
<input type="checkbox"/> Agricultural Field/Meadow		<input checked="" type="checkbox"/> Marsh	
<input checked="" type="checkbox"/> Suburban/Urban		<input type="checkbox"/> Swamp	
<input type="checkbox"/> Other		<input type="checkbox"/> Vernal Pool	
		<input type="checkbox"/> Other	

	Species <sup>3</sup>									
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other	Other
Call Code <sup>5</sup>	1									
Count	2									
Comments/Additional Observations: Lots of traffic right next to site, difficult to hear.										

<sup>1</sup> Beaufort Wind Scale  
 0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30)  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

<sup>2</sup> NAAMP/ Beaufort Sky Codes  
 0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

<sup>3</sup> Typical Species  
 American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

Call Level Codes  
 Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable





BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Amphibian Call Survey<sup>1</sup>

Project No.: 043952	Project Name: Snell's Hollow		
Number of Stations: 4	Field Staff: NP, SR (Sylvia)		
Station ID: 2	Station Direction: W	Time (24hr): 21:47	Date: Apr 24/19
Start Time (24hr): 21:47	End Time (24hr): 21:50	RH (%): —	Water Temp °C: —
Air Temp °C Start: 6.3°C	Air Temp °C End: 6	Overnight Temp °C (21:00 to 5:00): High: 9°C Low: 3°C	
Beaufort Wind Scale <sup>1</sup> : 2	Sky Code <sup>2</sup> : 1	Precipitation (y/n): N	
UTM: 595474 easting 484414 northing		Vegetation Unit Reference (where applic.):	

Landscape Context		Water Feature	
<input type="checkbox"/>	Upland Forest	<input type="checkbox"/>	Excavated Ditch/Pond
<input type="checkbox"/>	Treed Swamp	<input type="checkbox"/>	Natural swale/depression/pond
<input type="checkbox"/>	Marsh/Thicket Swamp	<input type="checkbox"/>	Impoundment
<input checked="" type="checkbox"/>	Agricultural Field/Meadow	<input type="checkbox"/>	Marsh
<input checked="" type="checkbox"/>	Suburban/Urban	<input type="checkbox"/>	Swamp
<input type="checkbox"/>	Other	<input type="checkbox"/>	Vernal Pool
<input type="checkbox"/>		<input checked="" type="checkbox"/>	Other SWM pond

Call Code <sup>5</sup>	Species <sup>3</sup>									
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other	Other
No Frogs heard.										
Count										

Comments/Additional Observations:

Beaver actively swimming by pond and slapping tail on water, busy road surrounding site.

<sup>1</sup> Beaufort Wind Scale 0 = calm, smoke rises vertically (0-2km/hr) 1 = Light air movement, smoke drifts (3-5) 2 = Slight breeze, wind felt on face; leaves rustle (6-11) 3 = Gentle breeze, leaves & twigs in constant motion (12-19) 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30) 5 = Fresh breeze, small trees begin to sway (31-39) 6 = Strong breeze, large branches in motion (40-50)	<sup>2</sup> NAAMP/ Beaufort Sky Codes 0 = clear (no cloud cover) 1 = partly cloudy (scattered or broken) or variable 2 = cloudy or overcast 3 = sandstorm, duststorm or blowing snow 4 = fog, smoke, thick dust, or haze 5 = drizzle or light rain 6 = rain 7 = snow or snow/rain mix 8 = showers 9 = thunderstorms	<sup>3</sup> Typical Species American Toad (AMTO) Northern Leopard Frog (NLFR) Green Frog (GRFR) Chorus Frog (CHFR) Gray Treefrog (GRTR) Wood Frog (WOFR) Bullfrog (BULL) Spring Peeper (SPPE)	Call Level Codes Level 1 – individual calls can be counted, no overlap Level 2 – some calls can be counted, some overlap Level 3 – calls continuous and overlapping, individuals not distinguishable
--	--	--	---



BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Amphibian Call Survey<sup>1</sup>

Project No.: 043952	Project Name: Snell's Hollow		
Number of Stations: 4	Field Staff: NP-SR (G. W. R.)		
Station ID: 3	Station Direction: W	Time (24hr): 21:33	Date: Apr. 24/19
Start Time (24hr): 21:33	End Time (24hr): 21:36	RH (%): —	Water Temp °C —
Air Temp °C Start: 8.8°C	Air Temp °C End: 6.3°C	Overnight Temp °C (21:00 to 5:00): High: 9°C Low: 3°C	
Beaufort Wind Scale <sup>1</sup> : 2	Sky Code <sup>2</sup> : 1	Precipitation (y/n): N	
UTM: 595694 easting 444549 northing		Vegetation Unit Reference (where applic.):	

Landscape Context		Water Feature	
<input type="checkbox"/>	Upland Forest	<input type="checkbox"/>	Excavated Ditch/Pond
<input checked="" type="checkbox"/>	Treed Swamp (tall shrubs)	<input type="checkbox"/>	Natural swale/depression/pond
<input checked="" type="checkbox"/>	Marsh/Thicket Swamp	<input type="checkbox"/>	Impoundment
<input checked="" type="checkbox"/>	Agricultural Field/Meadow	<input type="checkbox"/>	Marsh
<input type="checkbox"/>	Suburban/Urban	<input checked="" type="checkbox"/>	Swamp
<input type="checkbox"/>	Other	<input type="checkbox"/>	Vernal Pool
<input type="checkbox"/>		<input type="checkbox"/>	Other

	Species <sup>3</sup>									
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other	Other
Call Code <sup>5</sup>	1									
Count	2-3									

Comments/Additional Observations:

Difficult to hear due to traffic on busy road behind us.

<sup>1</sup> Beaufort Wind Scale 0 = calm, smoke rises vertically (0-2km/hr) 1 = Light air movement, smoke drifts (3-5) 2 = Slight breeze, wind felt on face; leaves rustle (6-11) 3 = Gentle breeze, leaves & twigs in constant motion (12-19) 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5 = Fresh breeze, small trees begin to sway (31-39) 6 = Strong breeze, large branches in motion (40-50)	<sup>2</sup> NAAMP/ Beaufort Sky Codes 0 = clear (no cloud cover) 1 = partly cloudy (scattered or broken) or variable 2 = cloudy or overcast 3 = sandstorm, duststorm or blowing snow 4 = fog, smoke, thick dust, or haze 5 = drizzle or light rain 6 = rain 7 = snow or snow/rain mix 8 = showers 9 = thunderstorms	<sup>3</sup> Typical Species American Toad (AMTO) Northern Leopard Frog (NLFR) Green Frog (GRFR) Chorus Frog (CHFR) Gray Treefrog (GRTR) Wood Frog (WOFR) Bullfrog (BULL) Spring Peeper (SPPE)	Call Level Codes Level 1 – individual calls can be counted, no overlap Level 2 – some calls can be counted, some overlap Level 3 – calls continuous and overlapping, individuals not distinguishable
---	--	--	---





BURNSIDE

[THE DIFFERENCE IS OUR PEOPLE]

Amphibian Call Survey<sup>1</sup>

Project No.: 300043952	Project Name: Shell's Hollow		
Number of Stations: 4	Field Staff: NP, SR		
Station ID: 4	Station Direction: NW	Time (24hr): 21:12	Date: Apr 24/19
Start Time (24hr): 21:15	End Time (24hr): 21:18	RH (%): —	Water Temp °C —
Air Temp °C Start: 6.8	Air Temp °C End: 8.8	Overnight Temp °C (21:00 to 5:00): High: 9°C Low: 2°C	
Beaufort Wind Scale <sup>1</sup> : 2	Sky Code <sup>2</sup> : 1	Precipitation (y/n): N	
UTM: 596082 easting 454994 northing		Vegetation Unit Reference (where applic.):	

Landscape Context		Water Feature	
<input type="checkbox"/>	Upland Forest	<input type="checkbox"/>	Excavated Ditch/Pond
<input type="checkbox"/>	Treed Swamp	<input checked="" type="checkbox"/>	Natural swale/depression/pond
<input checked="" type="checkbox"/>	Marsh/Thicket Swamp	<input type="checkbox"/>	Impoundment
<input checked="" type="checkbox"/>	Agricultural Field/Meadow	<input type="checkbox"/>	Marsh
<input checked="" type="checkbox"/>	Suburban/Urban	<input type="checkbox"/>	Swamp
<input type="checkbox"/>	Other	<input type="checkbox"/>	Vernal Pool
<input type="checkbox"/>		<input type="checkbox"/>	Other

	Species <sup>3</sup>									
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other	Other
Call Code <sup>5</sup>										
Count										

Comments/Additional Observations:

Difficult to hear due to traffic on busy road next to site.

<sup>1</sup> Beaufort Wind Scale  
 0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30)  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

<sup>2</sup> NAAMP/ Beaufort Sky Codes  
 0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

<sup>3</sup> Typical Species  
 American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

Call Level Codes  
 Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable

# Amphibian Call Survey<sup>1</sup>

Page 1 of 3



**Project Name:** Snell's Hollow East  
Secondary Plan.

**Project No:** 30043952

**Observers:** NB S. R.

**Total # of Stations:** 4

**Survey Time:** Start: 21:27 End: 22:07 (24 hr)

**Date:** May 15/19

**Air Temperature (°C):** Start: 12.5°C End: 12.6°C **RH (%):** 72 **Sky Code<sup>2</sup>:** 1 **Wind Scale<sup>3</sup>:** 1

**Overnight Temp (21:00 to 5:00):** High: 13°C Low: 6°C

**Overnight Precip?** ☐ YES ☒ NO

**Station ID:** 4

**Description:** Biggest pond.

**Time (24 hr):** 21:27

**Station Direction:** NW (e.g. NW)

**Water Temp (where applic.):**        °C

## Landscape Context:

- ☐ Upland Forest
- ☐ Treed Swamp
- ☐ Marsh / Thicket Swamp
- ☒ Agricultural Field / Meadow
- ☒ Suburban / Urban
- ☐ Other:

## Water Feature:

- ☐ Excavated Ditch/Pond
- ☒ Natural swale / depression / pond
- ☐ Impoundment
- ☐ Marsh
- ☐ Swamp
- ☐ Vernal Pool
- ☐ Other:

**UTM:** 596068 E 4841844 N **Veg. Unit Reference (where applic.):**       

## Species<sup>4</sup>

	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>				<u>3</u>						
<b>Count</b>				<u>1/1</u>						

**Comments/Additional Observations:**

Am. Woodcock calling near pond. (west of pond).

### <sup>2</sup>NAAMP/ Beaufort Sky Codes

- 0 = clear (no cloud cover)
- 1 = partly cloudy (scattered or broken) or variable
- 2 = cloudy or overcast
- 3 = sandstorm, duststorm or blowing snow
- 4 = fog, smoke, thick dust, or haze
- 5 = drizzle or light rain
- 6 = rain
- 7 = snow or snow/rain mix
- 8 = showers
- 9 = thunderstorms

### <sup>3</sup> Beaufort Wind Scale

- 0 = calm, smoke rises vertically (0-2km/hr)
- 1 = Light air movement, smoke drifts (3-5)
- 2 = Slight breeze, wind felt on face; leaves rustle (6-11)
- 3 = Gentle breeze, leaves & twigs in constant motion (12-19)
- 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30)
- 5 = Fresh breeze, small trees begin to sway (31-39)
- 6 = Strong breeze, large branches in motion (40-50)

### <sup>4</sup>Typical Species

- American Toad (AMTO)
- Northern Leopard Frog (NLFR)
- Green Frog (GRFR)
- Chorus Frog (CHFR)
- Gray Treefrog (GRTR)
- Wood Frog (WOFR)
- Bullfrog (BULL)
- Spring Peeper (SPPE)

### <sup>5</sup> Call Level Codes

- Level 1 – individual calls can be counted, no overlap
- Level 2 – some calls can be counted, some overlap
- Level 3 – calls continuous and overlapping, individuals not distinguishable

# Amphibian Call Survey<sup>1</sup>

Page 2 of 3



<b>Station ID:</b> <u>3</u> <b>Description:</b> <u>In the field, by the trees</u> <b>Time (24 hr):</b> <u>21:44</u> <b>Station Direction:</b> <u>NW</u> (e.g. NW) <b>Water Temp (where applic.):</b> <u>—</u> °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input checked="" type="checkbox"/> Treed Swamp <u>(all shrubs)</u> <input type="checkbox"/> Marsh / Thicket Swamp <input checked="" type="checkbox"/> Agricultural Field / Meadow <input type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input checked="" type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____								
<b>UTM:</b> <u>595693</u> <b>E</b> <u>4844549</u> <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____										
<b>Species<sup>4</sup></b>										
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>	1									
<b>Count</b>	1									
<b>Comments/Additional Observations:</b> <u>Am. woodcock calling nearby.</u>										

<b>Station ID:</b> <u>2</u> <b>Description:</b> <u>SWM pond at corner</u> <b>Time (24 hr):</b> <u>21:53</u> <b>Station Direction:</b> <u>SW</u> (e.g. NW) <b>Water Temp (where applic.):</b> <u>—</u> °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input checked="" type="checkbox"/> Agricultural Field / Meadow <input checked="" type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input checked="" type="checkbox"/> Other: <u>SWM pond</u>								
<b>UTM:</b> <u>595474</u> <b>E</b> <u>4844194</u> <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____										
<b>Species<sup>4</sup></b>										
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>				2						
<b>Count</b>				2						
<b>Comments/Additional Observations:</b> <u>Traffic on road nearby.</u>										

<sup>2</sup>NAAMP/ Beaufort Sky Codes  
 0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

<sup>3</sup> Beaufort Wind Scale  
 0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

<sup>4</sup>Typical Species  
 American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

<sup>5</sup> Call Level Codes  
 Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable

<sup>1</sup>This sheet was developed following guidelines of the Marsh Monitoring Program (MMP) developed by Bird Studies Canada, in partnership with Environment Canada



# Amphibian Call Survey<sup>1</sup>

Page 3 of 3



<b>Station ID:</b> <u>1</u> <b>Description:</b> <u>By the barn on Kennedy</u> <b>Time (24 hr):</b> <u>20:04</u> <b>Station Direction:</b> <u>NE</u> (e.g. NW) <b>Water Temp (where applic.):</b> _____ °C		<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input checked="" type="checkbox"/> Marsh / Thicket Swamp <input type="checkbox"/> Agricultural Field / Meadow <input checked="" type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____		<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input checked="" type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____						
<b>UTM:</b> <u>S95248</u> <b>E</b> <u>4744311</u> <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____										
<b>Species<sup>4</sup></b>										
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>	<u>Nothing Heard.</u>									
<b>Count</b>										
<b>Comments/Additional Observations:</b> <u>Streetlight near marsh. Cars regularly driving by.</u>										

<b>Station ID:</b> _____ <b>Description:</b> _____ <b>Time (24 hr):</b> _____ <b>Station Direction:</b> _____ (e.g. NW) <b>Water Temp (where applic.):</b> _____ °C		<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input type="checkbox"/> Agricultural Field / Meadow <input type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____		<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____						
<b>UTM:</b> _____ <b>E</b> _____ <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____										
<b>Species<sup>4</sup></b>										
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>										
<b>Count</b>										
<b>Comments/Additional Observations:</b>										

<sup>2</sup>NAAMP/ Beaufort Sky Codes  
 0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

<sup>3</sup> Beaufort Wind Scale  
 0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

<sup>4</sup>Typical Species  
 American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

<sup>5</sup> Call Level Codes  
 Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable

# Amphibian Call Survey<sup>1</sup>

Page 1 of 3



<b>Project Name:</b> <u>Snell's Hollow East</u> <u>Secondary Plan</u>		<b>Project No:</b> <u>30043952</u>	
<b>Observers:</b> <u>NP, S/L-R</u>		<b>Total # of Stations:</b> <u>4</u>	
<b>Survey Time:</b> Start: <u>21:55</u> End: <u>22:42</u> (24 hr)		<b>Date:</b> <u>June 21, 2019</u>	
<b>Air Temperature (°C):</b> Start: <u>19</u> End: <u>17</u> <b>RH (%):</b> <u>52</u> <b>Sky Code<sup>2</sup>:</b> <u>0</u> <b>Wind Scale<sup>3</sup>:</b> <u>2</u>			
<b>Overnight Temp (21:00 to 5:00):</b> High: <u>16</u> Low: <u>12</u>		<b>Overnight Precip?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

<b>Station ID:</b> <u>4</u>		<b>Description:</b> <u>Large pond</u>		<b>Time (24 hr):</b> <u>21:55</u>		<b>Station Direction:</b> <u>NW</u> (e.g. NW)		<b>Water Temp (where applic.):</b> _____ °C		<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input checked="" type="checkbox"/> Agricultural Field / Meadow <input checked="" type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____		<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input checked="" type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____	
<b>UTM:</b> <u>596068</u> <u>E</u> <u>4844844</u> <u>N</u>		<b>Veg. Unit Reference (where applic.):</b> _____											
<b>Species<sup>4</sup></b>													
<b>Call Code<sup>5</sup></b>	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:			
<b>Count</b>							1						
<b>Comments/Additional Observations:</b> <u>Heard coyote gipping near-pond, possibly a juvenile (pup).</u> <u>Busy traffic behind us.</u>													

<sup>2</sup>NAAMP/ Beaufort Sky Codes  
 0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

<sup>3</sup> Beaufort Wind Scale  
 0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

<sup>4</sup>Typical Species  
 American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

<sup>5</sup> Call Level Codes  
 Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable



# Amphibian Call Survey<sup>1</sup>

Page 2 of 3



<b>Station ID:</b> <u>1</u> <b>Description:</b> <u>by the barn on Kennedy</u> <b>Time (24 hr):</b> <u>22:00</u> <b>Station Direction:</b> <u>NE</u> (e.g. NW) <b>Water Temp (where applic.):</b> <u>    </u> °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input checked="" type="checkbox"/> Marsh / Thicket Swamp <input type="checkbox"/> Agricultural Field / Meadow <input checked="" type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: <u>                    </u>	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input checked="" type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: <u>                    </u>																																												
<b>UTM:</b> <u>595248</u> <b>E</b> <u>4844311</u> <b>N</b> <b>Veg. Unit Reference (where applic.):</b> <u>    </u>																																														
<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <th colspan="11">Species<sup>4</sup></th> </tr> <tr> <th></th> <th>WOFR</th> <th>CHFR</th> <th>SPPE</th> <th>AMTO</th> <th>GRTR</th> <th>NLFR</th> <th>GRFR</th> <th>BULL</th> <th>Other:</th> <th>Other:</th> </tr> <tr> <td><b>Call Code<sup>5</sup></b></td> <td colspan="10"><u>None heard.</u></td> </tr> <tr> <td><b>Count</b></td> <td colspan="10"><u>                    </u></td> </tr> </table>			Species <sup>4</sup>												WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:	<b>Call Code<sup>5</sup></b>	<u>None heard.</u>										<b>Count</b>	<u>                    </u>									
Species <sup>4</sup>																																														
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:																																				
<b>Call Code<sup>5</sup></b>	<u>None heard.</u>																																													
<b>Count</b>	<u>                    </u>																																													
<b>Comments/Additional Observations:</b> <u>busy traffic behind us.</u>																																														

<b>Station ID:</b> <u>3</u> <b>Description:</b> <u>In the field by the trees</u> <b>Time (24 hr):</b> <u>20:25</u> <b>Station Direction:</b> <u>NW</u> (e.g. NW) <b>Water Temp (where applic.):</b> <u>    </u> °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input checked="" type="checkbox"/> Treed Swamp <u>(tall shrubs)</u> <input type="checkbox"/> Marsh / Thicket Swamp <input checked="" type="checkbox"/> Agricultural Field / Meadow <input type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: <u>                    </u>	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input checked="" type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: <u>                    </u>																																												
<b>UTM:</b> <u>595893</u> <b>E</b> <u>4844549</u> <b>N</b> <b>Veg. Unit Reference (where applic.):</b> <u>    </u>																																														
<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <th colspan="11">Species<sup>4</sup></th> </tr> <tr> <th></th> <th>WOFR</th> <th>CHFR</th> <th>SPPE</th> <th>AMTO</th> <th>GRTR</th> <th>NLFR</th> <th>GRFR</th> <th>BULL</th> <th>Other:</th> <th>Other:</th> </tr> <tr> <td><b>Call Code<sup>5</sup></b></td> <td colspan="10"><u>Nothing heard.</u></td> </tr> <tr> <td><b>Count</b></td> <td colspan="10"><u>                    </u></td> </tr> </table>			Species <sup>4</sup>												WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:	<b>Call Code<sup>5</sup></b>	<u>Nothing heard.</u>										<b>Count</b>	<u>                    </u>									
Species <sup>4</sup>																																														
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:																																				
<b>Call Code<sup>5</sup></b>	<u>Nothing heard.</u>																																													
<b>Count</b>	<u>                    </u>																																													
<b>Comments/Additional Observations:</b> <u>Very busy traffic surrounding station.</u>																																														

<sup>2</sup>NAAMP/ Beaufort Sky Codes  
 0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

<sup>3</sup> Beaufort Wind Scale  
 0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

<sup>4</sup>Typical Species  
 American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

<sup>5</sup> Call Level Codes  
 Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable



# Amphibian Call Survey<sup>1</sup>

Page 3 of 3



<b>Station ID:</b> <u>2</u> <b>Description:</b> <u>SWM pond at corner</u> <b>Time (24 hr):</b> <u>22:39</u> <b>Station Direction:</b> <u>SW</u> (e.g. NW) <b>Water Temp (where applic.):</b> _____ °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input checked="" type="checkbox"/> Agricultural Field / Meadow <input checked="" type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input checked="" type="checkbox"/> Other: <u>SWM pond.</u>																																									
<b>UTM:</b> <u>595474</u> <b>E</b> <u>4844194</u> <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="8">Species<sup>4</sup></th> <th rowspan="2">Other:</th> <th rowspan="2">Other:</th> </tr> <tr> <th>WOFR</th> <th>CHFR</th> <th>SPPE</th> <th>AMTO</th> <th>GRTR</th> <th>NLFR</th> <th>GRFR</th> <th>BULL</th> </tr> </thead> <tbody> <tr> <td><b>Call Code<sup>5</sup></b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>1</u></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Count</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>3</u></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Species <sup>4</sup>								Other:	Other:	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	<b>Call Code<sup>5</sup></b>							<u>1</u>				<b>Count</b>							<u>3</u>			
	Species <sup>4</sup>								Other:	Other:																																	
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL																																			
<b>Call Code<sup>5</sup></b>							<u>1</u>																																				
<b>Count</b>							<u>3</u>																																				
<b>Comments/Additional Observations:</b> <div style="height: 40px;"></div>																																											

<b>Station ID:</b> _____ <b>Description:</b> _____ <b>Time (24 hr):</b> _____ <b>Station Direction:</b> _____ (e.g. NW) <b>Water Temp (where applic.):</b> _____ °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input type="checkbox"/> Agricultural Field / Meadow <input type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____																																							
<b>UTM:</b> _____ <b>E</b> _____ <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="8">Species<sup>4</sup></th> <th rowspan="2">Other:</th> <th rowspan="2">Other:</th> </tr> <tr> <th>WOFR</th> <th>CHFR</th> <th>SPPE</th> <th>AMTO</th> <th>GRTR</th> <th>NLFR</th> <th>GRFR</th> <th>BULL</th> </tr> </thead> <tbody> <tr> <td><b>Call Code<sup>5</sup></b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Count</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Species <sup>4</sup>								Other:	Other:	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	<b>Call Code<sup>5</sup></b>										<b>Count</b>									
	Species <sup>4</sup>								Other:	Other:																															
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL																																	
<b>Call Code<sup>5</sup></b>																																									
<b>Count</b>																																									
<b>Comments/Additional Observations:</b> <div style="height: 40px;"></div>																																									

<sup>2</sup>NAAMP/ Beaufort Sky Codes  
 0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

<sup>3</sup> Beaufort Wind Scale  
 0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

<sup>4</sup>Typical Species  
 American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

<sup>5</sup> Call Level Codes  
 Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable

# Amphibian Call Survey<sup>1</sup>

Page 1 of 3



<b>Project Name:</b> <u>Snell's Hollow East</u>		<b>Project No:</b> <u>300043952</u>
<b>Observers:</b> <u>Nadine Price, Stewart Gibson</u>		<b>Total # of Stations:</b> <u>4</u>
<b>Survey Time:</b> Start: <u>20:37</u> End: <u>21:18</u> (24 hr)		<b>Date:</b> <u>Apr. 6, 2020</u>
<b>Air Temperature (°C):</b> Start: <u>10</u> End: <u>9.3</u> <b>RH (%):</b> <u>40</u> <b>Sky Code<sup>2</sup>:</b> <u>2</u> <b>Wind Scale<sup>3</sup>:</b> <u>2</u>		
<b>Overnight Temp (21:00 to 5:00):</b> High: <u>10</u> Low: <u>2</u>		<b>Overnight Precip?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

<b>Station ID:</b> <u>AMPH-1</u> <b>Description:</b> <u>By the barn on Kennedy Rd.</u> <b>Time (24 hr):</b> <u>20:37</u> <b>Station Direction:</b> <u>NE</u> (e.g. NW) <b>Water Temp (where applic.):</b> _____ °C		<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input checked="" type="checkbox"/> Marsh / Thicket Swamp <input type="checkbox"/> Agricultural Field / Meadow <input checked="" type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input checked="" type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____							
<b>UTM:</b> <u>S95248</u> <b>E</b> <u>4844311</u> <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____										
<b>Species<sup>4</sup></b>										
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>	<u>None</u>									
<b>Count</b>										
<b>Comments/Additional Observations:</b> <u>Background noise - high traffic</u> <u>Have started filling pond a bit (see photos from Apr. 3 in Sharepoint)</u>										

## <sup>2</sup>NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

## <sup>3</sup> Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30)  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

## <sup>4</sup>Typical Species

American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

## <sup>5</sup> Call Level Codes

Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable



# Amphibian Call Survey<sup>1</sup>

Page 2 of 3



<b>Station ID:</b> <u>AMPH 2</u> <b>Description:</b> <u>SWM pond (Kennedy Rd and Bayview Rd)</u> <b>Time (24 hr):</b> <u>20:47</u> <b>Station Direction:</b> <u>SW</u> (e.g. NW) <b>Water Temp (where applic.):</b> <u>—</u> °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input checked="" type="checkbox"/> Agricultural Field / Meadow <input checked="" type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input checked="" type="checkbox"/> Other: <u>SWM pond.</u>																																									
<b>UTM:</b> <u>595474</u> <b>E</b> <u>4844194</u> <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="8">Species<sup>4</sup></th> <th rowspan="2">Other:</th> <th rowspan="2">Other:</th> </tr> <tr> <th>WOFR</th> <th>CHFR</th> <th>SPPE</th> <th>AMTO</th> <th>GRTR</th> <th>NLFR</th> <th>GRFR</th> <th>BULL</th> </tr> </thead> <tbody> <tr> <td><b>Call Code<sup>5</sup></b></td> <td><u>None</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Count</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Species <sup>4</sup>								Other:	Other:	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	<b>Call Code<sup>5</sup></b>	<u>None</u>										<b>Count</b>										
	Species <sup>4</sup>								Other:	Other:																																	
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL																																			
<b>Call Code<sup>5</sup></b>	<u>None</u>																																										
<b>Count</b>																																											
<b>Comments/Additional Observations:</b>  																																											

<b>Station ID:</b> <u>AMPH 4</u> <b>Description:</b> <u>Open water pond</u> <b>Time (24 hr):</b> <u>21:03</u> <b>Station Direction:</b> <u>NW</u> (e.g. NW) <b>Water Temp (where applic.):</b> <u>—</u> °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input checked="" type="checkbox"/> Agricultural Field / Meadow <input checked="" type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input checked="" type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____																																							
<b>UTM:</b> <u>596016.46</u> <b>E</b> <u>4844812.91</u> <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="8">Species<sup>4</sup></th> <th rowspan="2">Other:</th> <th rowspan="2">Other:</th> </tr> <tr> <th>WOFR</th> <th>CHFR</th> <th>SPPE</th> <th>AMTO</th> <th>GRTR</th> <th>NLFR</th> <th>GRFR</th> <th>BULL</th> </tr> </thead> <tbody> <tr> <td><b>Call Code<sup>5</sup></b></td> <td><u>None</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Count</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				Species <sup>4</sup>								Other:	Other:	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	<b>Call Code<sup>5</sup></b>	<u>None</u>									<b>Count</b>									
	Species <sup>4</sup>								Other:	Other:																															
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL																																	
<b>Call Code<sup>5</sup></b>	<u>None</u>																																								
<b>Count</b>																																									
<b>Comments/Additional Observations:</b> <u>American Woodcock calling west of pond.</u>																																									

<sup>2</sup>NAAMP/ Beaufort Sky Codes  
 0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

<sup>3</sup> Beaufort Wind Scale  
 0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

<sup>4</sup>Typical Species  
 American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

<sup>5</sup> Call Level Codes  
 Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable

<sup>1</sup>This sheet was developed following guidelines of the Marsh Monitoring Program (MMP) developed by Bird Studies Canada, in partnership with Environment Canada

# Amphibian Call Survey<sup>1</sup>

Page 3 of 3



<b>Station ID:</b> <u>AMP13</u> <b>Description:</b> <u>In the field, near red stake.</u> <b>Time (24 hr):</b> <u>21:15</u> <b>Station Direction:</b> <u>NW</u> (e.g. NW) <b>Water Temp (where applic.):</b> <u>—</u> °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input checked="" type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input checked="" type="checkbox"/> Agricultural Field / Meadow <input type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input checked="" type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____								
<b>UTM:</b> <u>595693</u> <b>E</b> <u>4844549</u> <b>N</b> <b>Veg. Unit Reference (where applic.):</b> <u>—</u>										
<b>Species<sup>4</sup></b>										
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>	<u>3</u>									
<b>Count</b>	<u>N/A</u>									
<b>Comments/Additional Observations:</b> <u>Some background traffic noise.</u>										

<b>Station ID:</b> _____ <b>Description:</b> _____ <b>Time (24 hr):</b> _____ <b>Station Direction:</b> _____ (e.g. NW) <b>Water Temp (where applic.):</b> _____ °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input type="checkbox"/> Agricultural Field / Meadow <input type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____								
<b>UTM:</b> _____ <b>E</b> _____ <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____										
<b>Species<sup>4</sup></b>										
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>										
<b>Count</b>										
<b>Comments/Additional Observations:</b>										

<sup>2</sup>NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

<sup>3</sup> Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

<sup>4</sup>Typical Species

American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

<sup>5</sup> Call Level Codes

Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable

<sup>1</sup>This sheet was developed following guidelines of the Marsh Monitoring Program (MMP) developed by Bird Studies Canada, in partnership with Environment Canada



# Amphibian Call Survey<sup>1</sup>

Page 1 of 3



<b>Project Name:</b> <u>Snell's Hollow East CEISMP</u>		<b>Project No:</b> <u>300043952</u>
<b>Observers:</b> <u>Nadine Price, Meredith Meeker</u>		<b>Total # of Stations:</b> <u>4</u>
<b>Survey Time:</b> Start: <u>21:09</u> End: <u>21:54</u> (24 hr)		<b>Date:</b> <u>May 16/20</u>
<b>Air Temperature (°C):</b> Start: <u>16.5</u> End: <u>10.7</u> <b>RH (%):</b> <u>67</u> <b>Sky Code<sup>2</sup>:</b> <u>1</u> <b>Wind Scale<sup>3</sup>:</b> <u>2</u>		
<b>Overnight Temp (21:00 to 5:00):</b> High: <u>12</u> Low: <u>9</u>		<b>Overnight Precip?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

<b>Station ID:</b> <u>AMPH-1</u> <b>Description:</b> <u>By the barn on Kennedy Rd.</u> <b>Time (24 hr):</b> <u>21:09</u> <b>Station Direction:</b> <u>NE</u> (e.g. NW) <b>Water Temp (where applic.):</b> <u>—</u> °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input checked="" type="checkbox"/> Marsh / Thicket Swamp <input type="checkbox"/> Agricultural Field / Meadow <input checked="" type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input checked="" type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____								
<b>UTM:</b> <u>595248</u> <u>E</u> <u>4444311</u> <u>N</u> <b>Veg. Unit Reference (where applic.):</b> <u>—</u>										
<b>Species<sup>4</sup></b>										
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>	<u>None</u>									
<b>Count</b>										
<b>Comments/Additional Observations:</b> <u>Busy traffic on road behind us.</u>										

## <sup>2</sup>NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

## <sup>3</sup> Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30)  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

## <sup>4</sup>Typical Species

American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

## <sup>5</sup>Call Level Codes

Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable

# Amphibian Call Survey<sup>1</sup>

Page 2 of 3



[The Difference is our People]

<b>Station ID:</b> <u>AMPH-2</u> <b>Description:</b> <u>SWM pond (Kennedy Rd + Mayfield Rd)</u> <b>Time (24 hr):</b> <u>21:19</u> <b>Station Direction:</b> <u>SW</u> (e.g. NW) <b>Water Temp (where applic.):</b> <u>—</u> °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input checked="" type="checkbox"/> Agricultural Field / Meadow <input checked="" type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input checked="" type="checkbox"/> Other: <u>SWM pond</u>								
<b>UTM:</b> <u>59S474</u> <u>E 4844194</u> <u>N</u> <b>Veg. Unit Reference (where applic.):</b> <u>—</u>										
<b>Species<sup>4</sup></b>										
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>				<u>2</u>						
<b>Count</b>				<u>3</u>						
<b>Comments/Additional Observations:</b> <u>2 Canada Geese on pond.</u> <u>SPPE were calling across road (diagonally) but not on site.</u>										

<b>Station ID:</b> <u>AMPH4</u> <b>Description:</b> <u>Open water pond</u> <b>Time (24 hr):</b> <u>21:39</u> <b>Station Direction:</b> <u>NW</u> (e.g. NW) <b>Water Temp (where applic.):</b> <u>—</u> °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input checked="" type="checkbox"/> Agricultural Field / Meadow <input checked="" type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input checked="" type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____								
<b>UTM:</b> <u>596016.46</u> <u>E 4844812.91</u> <u>N</u> <b>Veg. Unit Reference (where applic.):</b> <u>—</u>										
<b>Species<sup>4</sup></b>										
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>				<u>2</u>						
<b>Count</b>				<u>7</u>						
<b>Comments/Additional Observations:</b> <u>Traffic nearby on road and fireworks going off nearby during survey.</u>										

<sup>2</sup>NAAMP/ Beaufort Sky Codes  
 0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

<sup>3</sup> Beaufort Wind Scale  
 0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

<sup>4</sup>Typical Species  
 American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

<sup>5</sup> Call Level Codes  
 Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable



# Amphibian Call Survey<sup>1</sup>

Page 3 of 3



<b>Station ID:</b> <u>AMP#3</u> <b>Description:</b> <u>In the field, near red stake</u> <b>Time (24 hr):</b> <u>21:51</u> <b>Station Direction:</b> <u>NW</u> (e.g. NW) <b>Water Temp (where applic.):</b> <u>—</u> °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input checked="" type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input checked="" type="checkbox"/> Agricultural Field / Meadow <input type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input checked="" type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____																																									
<b>UTM:</b> <u>595693</u> <b>E</b> <u>4844549</u> <b>N</b> <b>Veg. Unit Reference (where applic.):</b> <u>—</u>																																											
<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <th rowspan="2"></th> <th colspan="8">Species<sup>4</sup></th> <th rowspan="2">Other:</th> <th rowspan="2">Other:</th> </tr> <tr> <th>WOFR</th> <th>CHFR</th> <th>SPPE</th> <th>AMTO</th> <th>GRTR</th> <th>NLFR</th> <th>GRFR</th> <th>BULL</th> </tr> <tr> <td><b>Call Code<sup>5</sup></b></td> <td><u>None</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Count</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Species <sup>4</sup>								Other:	Other:	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	<b>Call Code<sup>5</sup></b>	<u>None</u>										<b>Count</b>										
	Species <sup>4</sup>								Other:	Other:																																	
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL																																			
<b>Call Code<sup>5</sup></b>	<u>None</u>																																										
<b>Count</b>																																											
<b>Comments/Additional Observations:</b> <u>Am. Robin called at end of survey.</u> <u>Fireworks in distance.</u>																																											

<b>Station ID:</b> _____ <b>Description:</b> _____ <b>Time (24 hr):</b> _____ <b>Station Direction:</b> _____ (e.g. NW) <b>Water Temp (where applic.):</b> _____ °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input type="checkbox"/> Agricultural Field / Meadow <input type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____																																									
<b>UTM:</b> _____ <b>E</b> _____ <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____																																											
<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <th rowspan="2"></th> <th colspan="8">Species<sup>4</sup></th> <th rowspan="2">Other:</th> <th rowspan="2">Other:</th> </tr> <tr> <th>WOFR</th> <th>CHFR</th> <th>SPPE</th> <th>AMTO</th> <th>GRTR</th> <th>NLFR</th> <th>GRFR</th> <th>BULL</th> </tr> <tr> <td><b>Call Code<sup>5</sup></b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Count</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Species <sup>4</sup>								Other:	Other:	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	<b>Call Code<sup>5</sup></b>											<b>Count</b>										
	Species <sup>4</sup>								Other:	Other:																																	
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL																																			
<b>Call Code<sup>5</sup></b>																																											
<b>Count</b>																																											
<b>Comments/Additional Observations:</b>  																																											

<sup>2</sup>NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

<sup>3</sup> Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

<sup>4</sup>Typical Species

American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

<sup>5</sup> Call Level Codes

Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable

<sup>1</sup>This sheet was developed following guidelines of the Marsh Monitoring Program (MMP) developed by Bird Studies Canada, in partnership with Environment Canada

# Amphibian Call Survey<sup>1</sup>

Page 1 of 3



[The Burnside is our People]

Project Name: Snell's Hollow East CEISMP

Project

No: 300043952

Observers: Nadine Price, Meredith Meeker

Total # of Stations: 4

Survey Time: Start: 21:34 End: 22:10 (24 hr)

Date: June 17, 2020

Air Temperature (°C): Start: 20.3 End: 18 RH (%): 49 Sky Code<sup>2</sup>: 0 Wind Scale<sup>3</sup>: 1

Overnight Temp (21:00 to 5:00): High: 21 Low: 14 Overnight Precip? ☐ YES ☒ NO

Station ID: AMP44

Description: Open water pond

Time (24 hr): 21:59

Station Direction: NW (e.g. NW)

Water Temp (where applic.): — °C

## Landscape Context:

- ☐ Upland Forest
- ☐ Treed Swamp
- ☐ Marsh / Thicket Swamp
- ☒ Agricultural Field / Meadow
- ☒ Suburban / Urban
- ☐ Other: \_\_\_\_\_

## Water Feature:

- ☒ Excavated Ditch/Pond
- ☒ Natural swale / depression / pond
- ☐ Impoundment
- ☐ Marsh
- ☐ Swamp
- ☐ Vernal Pool
- ☐ Other: \_\_\_\_\_

UTM: 596016.46 E 4844812.91 N Veg. Unit Reference (where applic.): \_\_\_\_\_

## Species<sup>4</sup>

	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
Call Code <sup>5</sup>					1		1			
Count					1		3			

Comments/Additional Observations:

## <sup>2</sup>NAAMP/ Beaufort Sky Codes

- 0 = clear (no cloud cover)
- 1 = partly cloudy (scattered or broken) or variable
- 2 = cloudy or overcast
- 3 = sandstorm, duststorm or blowing snow
- 4 = fog, smoke, thick dust, or haze
- 5 = drizzle or light rain
- 6 = rain
- 7 = snow or snow/rain mix
- 8 = showers
- 9 = thunderstorms

## <sup>3</sup> Beaufort Wind Scale

- 0 = calm, smoke rises vertically (0-2km/hr)
- 1 = Light air movement, smoke drifts (3-5)
- 2 = Slight breeze, wind felt on face; leaves rustle (6-11)
- 3 = Gentle breeze, leaves & twigs in constant motion (12-19)
- 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);
- 5 = Fresh breeze, small trees begin to sway (31-39)
- 6 = Strong breeze, large branches in motion (40-50)

## <sup>4</sup>Typical Species

- American Toad (AMTO)
- Northern Leopard Frog (NLFR)
- Green Frog (GRFR)
- Chorus Frog (CHFR)
- Gray Treefrog (GRTR)
- Wood Frog (WOFR)
- Bullfrog (BULL)
- Spring Peeper (SPPE)

## <sup>5</sup> Call Level Codes

- Level 1 – individual calls can be counted, no overlap
- Level 2 – some calls can be counted, some overlap
- Level 3 – calls continuous and overlapping, individuals not distinguishable



# Amphibian Call Survey<sup>1</sup>

Page 2 of 3



[THE DIFFERENCE IS OUR PEOPLE]

<b>Station ID:</b> <u>AMPH3</u> <b>Description:</b> <u>In the field, near red stake</u> <b>Time (24 hr):</b> <u>22:07</u> <b>Station Direction:</b> <u>NW</u> (e.g. NW) <b>Water Temp (where applic.):</b> <u>—</u> °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input checked="" type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input checked="" type="checkbox"/> Agricultural Field / Meadow <input type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input checked="" type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____								
<b>UTM:</b> <u>595693</u> <b>E</b> <u>484454</u> <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____										
<b>Species<sup>4</sup></b>										
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>	<u>None</u>									
<b>Count</b>										
<b>Comments/Additional Observations:</b>										

<b>Station ID:</b> <u>AMPH2</u> <b>Description:</b> <u>SWM pond (Kennedy Rd and Mayfield Rd)</u> <b>Time (24 hr):</b> <u>21:42</u> <b>Station Direction:</b> <u>SW</u> (e.g. NW) <b>Water Temp (where applic.):</b> <u>—</u> °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input checked="" type="checkbox"/> Agricultural Field / Meadow <input checked="" type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input checked="" type="checkbox"/> Other: <u>SWM pond</u>								
<b>UTM:</b> <u>595474</u> <b>E</b> <u>4844194</u> <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____										
<b>Species<sup>4</sup></b>										
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>	<u>None</u>									
<b>Count</b>										
<b>Comments/Additional Observations:</b> <u>Heard 1 Green frog during turtle nesting survey earlier in evening here, however none called during amphibian survey.</u> <u>Felt much cooler by SWM pond than by road.</u>										

<sup>2</sup>NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

<sup>3</sup>Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

<sup>4</sup>Typical Species

American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

<sup>5</sup>Call Level Codes

Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable

# Amphibian Call Survey<sup>1</sup>

Page 3 of 3



<b>Station ID:</b> <u>AMPHI</u> <b>Description:</b> <u>By the barn on Kennedy Rd.</u> <b>Time (24 hr):</b> <u>21:34</u> <b>Station Direction:</b> <u>NE</u> (e.g. NW) <b>Water Temp (where applic.):</b> <u>—</u> °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input checked="" type="checkbox"/> Marsh / Thicket Swamp <input type="checkbox"/> Agricultural Field / Meadow <input checked="" type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input checked="" type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____								
<b>UTM:</b> <u>59S248</u> <b>E</b> <u>4844311</u> <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____										
<b>Species<sup>4</sup></b>										
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>	<u>None</u>									
<b>Count</b>										
<b>Comments/Additional Observations:</b> <u>Busy traffic nearby on road - making lots of noise.</u>										

<b>Station ID:</b> _____ <b>Description:</b> _____ <b>Time (24 hr):</b> _____ <b>Station Direction:</b> _____ (e.g. NW) <b>Water Temp (where applic.):</b> _____ °C	<b>Landscape Context:</b> <input type="checkbox"/> Upland Forest <input type="checkbox"/> Treed Swamp <input type="checkbox"/> Marsh / Thicket Swamp <input type="checkbox"/> Agricultural Field / Meadow <input type="checkbox"/> Suburban / Urban <input type="checkbox"/> Other: _____	<b>Water Feature:</b> <input type="checkbox"/> Excavated Ditch/Pond <input type="checkbox"/> Natural swale / depression / pond <input type="checkbox"/> Impoundment <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Vernal Pool <input type="checkbox"/> Other: _____								
<b>UTM:</b> _____ <b>E</b> _____ <b>N</b> <b>Veg. Unit Reference (where applic.):</b> _____										
<b>Species<sup>4</sup></b>										
	WOFR	CHFR	SPPE	AMTO	GRTR	NLFR	GRFR	BULL	Other:	Other:
<b>Call Code<sup>5</sup></b>										
<b>Count</b>										
<b>Comments/Additional Observations:</b>  										

<sup>2</sup>NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

<sup>3</sup> Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

<sup>4</sup>Typical Species

American Toad (AMTO)  
 Northern Leopard Frog (NLFR)  
 Green Frog (GRFR)  
 Chorus Frog (CHFR)  
 Gray Treefrog (GRTR)  
 Wood Frog (WOFR)  
 Bullfrog (BULL)  
 Spring Peeper (SPPE)

<sup>5</sup> Call Level Codes

Level 1 – individual calls can be counted, no overlap  
 Level 2 – some calls can be counted, some overlap  
 Level 3 – calls continuous and overlapping, individuals not distinguishable







<sup>1</sup>This sheet was developed following guidelines of the Marsh Monitoring Program (MMP) developed by Bird Studies Canada, in partnership with Environment Canada



# BURNSIDE


## Entrance/Exit Bat Surveys for Anthropogenic Structures

Project Name: <u>Snell's Hollow Farm</u>			Project Number: _____	
Surveyors: <u>SL</u>			Weather Conditions: <u>Mild</u>	
Date: <u>July 11, 2020</u>			Wind <sup>1</sup> : <u>2</u>	Cloud <sup>2</sup> : <u>0</u>
Time: <u>8:30</u>	Start: <u>8:30</u>	End: <u>10:00 pm</u>	Temperature	
GPS Location of survey pt (UTM)	E (m): <u>595324</u>	N (m): <u>4844336</u>	Start (°C): <u>22</u>	End (°C): <u>19.5</u>
Structure Name/Description: <u>Heritage House - brick structure, including chimneys, windows, shutters</u>			Direction facing Structure: <u>East</u>	

Survey Data			
Time:	(30 mins) <u>8:30 - 9:00</u>	(30 mins) <u>9:01 - 9:30</u>	(30 mins) <u>9:31 - 10:00</u>
Structure (tally):			
Species <sup>3</sup> (heterodyne detection):			

Notes: Eastern Cottontail, Coyote

No bats observed or call recorded.

Point of structure where bats were observed exiting from: 

### <sup>1</sup>Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30)  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

### <sup>2</sup>NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

### <sup>3</sup>Bat Species of Ontario:

Big Brown Bat (*Eptesicus fuscus*: EPTFUS)  
 Silver-haired Bat (*Lasionycteris noctivagans*: LASNOC)  
 Eastern Red Bat (*Lasiurus borealis*: LASBOR)  
 Hoary Bat (*Lasiurus cinereus*: LASCIN)  
 Eastern Small-footed Bat (*Myotis leibii*: MYOLEI) – SARO: ENDANGERED  
 Little Brown Bat (*Myotis lucifugus*: MYOLUC) – SARO: ENDANGERED  
 Northern Myotis (*Myotis septentrionalis*: MYOSEP) – SARO: ENDANGERED  
 Tri-coloured Bat (*Perimyotis subflavus*: PERSUB) (formerly Eastern Pipistrelle (*Pipistrellus pipistrellus*) – SARO: ENDANGERED





# BURNSIDE

## Entrance/Exit Bat Surveys for Anthropogenic Structures

Project Name: <u>Snells Hollow CEISMP</u>		Project Number:		Exit Survey No. <u>(1/2)</u>
Surveyors: <u>MM, SR, HN</u>		Weather Conditions		
Date: <u>June 11, 2020</u>		Wind <sup>1</sup> : <u>3</u>	Cloud <sup>2</sup> : <u>0</u>	
Time	Start: <u>8:30</u> End: <u>9:40</u>	Temperature		
GPS Location of survey pt (UTM)	E (m): <u>595324</u> N (m): <u>4844336</u>	Start (°C): <u>20.8</u>	End (°C): <u>19.5</u>	
Structure Name/Description: <u>old home, North Side, Antenna</u>				

Survey Data			
Time: <u>8:30</u>	(30 mins)	(30 mins)	(30 mins)
Structure (tally):	<u>Ø</u>	<u>Ø</u>	
Species <sup>3</sup> (heterodyne detection):			

Notes: KILL, AMRO, WAVI, GBBEX2, CHSP, SOSP, BRWBL, GRCA, BARS

Eastern Cottontail, Vole Sp, mouse, coyote

### <sup>1</sup>Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

### <sup>2</sup>NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

### <sup>3</sup>Bat Species of Ontario:

Big Brown Bat (*Eptesicus fuscus*: EPTFUS)  
 Silver-haired Bat (*Lasionycteris noctivagans*: LASNOC)  
 Eastern Red Bat (*Lasiurus borealis*: LASBOR)  
 Hoary Bat (*Lasiurus cinereus*: LASCIN)  
 Eastern Small-footed Bat (*Myotis leibii*: MYOLEI) – SARO: ENDANGERED  
 Little Brown Bat (*Myotis lucifugus*: MYOLUC) – SARO: ENDANGERED  
 Northern Myotis (*Myotis septentrionalis*: MYOSEP) – SARO: ENDANGERED  
 Tri-coloured Bat (*Perimyotis subflavus*: PERSUB) (formerly Eastern Pipistrelle (*Pipistrellus pipistrellus*) – SARO: ENDANGERED





# BURNSIDE

## Entrance/Exit Bat Surveys for Anthropogenic Structures

Project Name: <u>Swill's Hollow</u>			Project Number:	
Surveyors: <u>MM, SR, SR</u>			Weather Conditions	
Date: <u>June 30, 2020</u>			Wind <sup>1</sup> : <u>1</u>	Cloud <sup>2</sup> : <u>66</u>
Time	Start: <u>8:33</u>	End: <u>10:03</u>	Temperature	
GPS Location of survey pt (UTM)	E (m):		Start (°C): <u>24</u>	End (°C):
	N (m):		Direction facing Structure: <u>S</u>	
Structure Name/Description:				

Survey Data			
Time:	(30 mins)	(30 mins)	(30 mins)
Structure (tally):			
Species <sup>3</sup> (heterodyne detection):			

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### <sup>1</sup>Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

### <sup>2</sup>NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

### <sup>3</sup>Bat Species of Ontario:

Big Brown Bat (*Eptesicus fuscus*: EPTFUS)  
 Silver-haired Bat (*Lasionycteris noctivagans*: LASNOC)  
 Eastern Red Bat (*Lasiurus borealis*: LASBOR)  
 Hoary Bat (*Lasiurus cinereus*: LASCIN)  
 Eastern Small-footed Bat (*Myotis leibii*: MYOLEI) – SARO: ENDANGERED  
 Little Brown Bat (*Myotis lucifugus*: MYOLUC) – SARO: ENDANGERED  
 Northern Myotis (*Myotis septentrionalis*: MYOSEP) – SARO: ENDANGERED  
 Tri-coloured Bat (*Perimyotis subflavus*: PERSUB) (formerly Eastern Pipistrelle (*Pipistrellus pipistrellus*) – SARO: ENDANGERED



## Entrance/Exit Bat Surveys for Anthropogenic Structures

Project Name: <u>Snell's Hollow East</u>		Project Number:	
Surveyors: <u>GA</u>		Weather Conditions	
Date: <u>June 30, 2020</u>		Wind <sup>1</sup> : <u>2</u>	Cloud <sup>2</sup> : <u>2</u>
Time	Start: <u>8:33</u> End: <u>10:03</u>	Temperature	
GPS Location of survey pt (UTM)	E (m):	Start (°C): <u>24</u>	End (°C):
	N (m):	Direction facing Structure: <u>NW</u>	
Structure Name/Description: <u>Brick - heritage House</u>			

Survey Data			
Time:	(30 mins)	(30 mins)	(30 mins)
Structure (tally):			
Species <sup>3</sup> (heterodyne detection):			

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### <sup>1</sup>Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

### <sup>2</sup>NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms


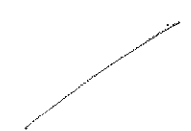

### <sup>3</sup>Bat Species of Ontario:

Big Brown Bat (*Eptesicus fuscus*: EPTFUS)  
 Silver-haired Bat (*Lasionycteris noctivagans*: LASNOC)  
 Eastern Red Bat (*Lasiurus borealis*: LASBOR)  
 Hoary Bat (*Lasiurus cinereus*: LASCIN)  
 Eastern Small-footed Bat (*Myotis leibii*: MYOLEI) – SARO: ENDANGERED  
 Little Brown Bat (*Myotis lucifugus*: MYOLUC) – SARO: ENDANGERED  
 Northern Myotis (*Myotis septentrionalis*: MYOSEP) – SARO: ENDANGERED  
 Tri-coloured Bat (*Perimyotis subflavus*: PERSUB) (formerly Eastern Pipistrelle (*Pipistrellus pipistrellus*) – SARO: ENDANGERED



## Entrance/Exit Bat Surveys for Anthropogenic Structures

Project Name: <u>SNELL'S</u>		Project Number:	
Surveyors: <u>S. RADOVIC</u>		Weather Conditions	
Date: <u>JUNE 30, 2020</u>		Wind <sup>1</sup> : <u>1-2</u>	Cloud <sup>2</sup> : <u>1</u>
Time	Start: <u>20:33</u> End:	Temperature	
GPS Location of survey pt (UTM)	E (m):	Start (°C): <u>24</u>	End (°C):
	N (m):	Direction facing Structure: <u>N E</u>	
Structure Name/Description: <u>House - abandoned</u>			

Survey Data			
Time:	(30 mins)	(30 mins)	(30 mins)
Structure (tally):			
Species <sup>3</sup> (heterodyne detection):			

Notes: Kennedy facing @ shutters movement small bodies scaling brick & scouching behind virginia creeper covered shutters

Killdeer distant firecrackers constant traffic hum & birds calling occasional dog bark muscle cars revving

### <sup>1</sup>Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)  
 4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30)  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

### <sup>2</sup>NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze  
 5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

### <sup>3</sup>Bat Species of Ontario:

Big Brown Bat (*Eptesicus fuscus*: EPTFUS)  
 Silver-haired Bat (*Lasionycteris noctivagans*: LASNOC)  
 Eastern Red Bat (*Lasiurus borealis*: LASBOR)  
 Hoary Bat (*Lasiurus cinereus*: LASCIN)  
 Eastern Small-footed Bat (*Myotis leibii*: MYOLEI) – SARO: ENDANGERED  
 Little Brown Bat (*Myotis lucifugus*: MYOLUC) – SARO: ENDANGERED  
 Northern Myotis (*Myotis septentrionalis*: MYOSEP) – SARO: ENDANGERED  
 Tri-coloured Bat (*Perimyotis subflavus*: PERSUB) (formerly Eastern Pipistrelle (*Pipistrellus pipistrellus*) – SARO: ENDANGERED



**BOBOLINK/EASTERN MEADOWLARK  
POINT COUNT AND TRANSECT DATA SHEET**

PROJECT, SITE DATA & WEATHER					SUMMARY COUNT					
Project No.: 300043982		Project Title: Snell's Hollow East Secondary Plan CEISMP			Pt. Count #	Start Time	End Time	UTM Easting	UTM Northing	
Date (yy/mm/dd): 20/05/25		Site Name: Snell's Hollow			1	06:48	06:58	595448	4844311	
Survey # 1		Crew Members (initials): NP			2	08:44	08:54	595438	4844565	
Temp. (°C): 20	Precip. (mm): 0	Cloud Cover (%): 5	Wind (km/hr) (Beaufort): 1		3	09:02	09:12	595558	4844615	
Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50).					4					
					5					
Comments: Due to the habitat being not suitable at point count #3 (EAME-BOBO-03) - too many trees and shrubs, this will no longer be treated as an EAME-BOBO station for the next surveys. It will be a regular BBS station and be called "BBS-15".										
BOBOLINK POINT/EASTERN MEADOWLARK COUNT & TRANSECT DATA SHEET										
Trans. #	Pt. Count #	Habitat Unit (field, hedgerow, etc.)	Species (BOBO-EAME)	Time of Obs.	# of Individ.	Sex M/F/U	Behaviour (breeding evidence codes)	Direction from Obs.	Distance from Obs.	Comments
1	1	Cultivated meadow	None							
1	2	Cultivated meadow	None							
1	3	Cultivated meadow with trees	None							

PROJECT, SITE DATA & WEATHER					SUMMARY COUNT					
Project No.: 300043952		Project Title: CEISMP Snell's Hollow			Pt. Count #	Start Time	End Time	UTM Easting	UTM Northing	
Date (yy/mm/dd): 20/05/25		Site Name: Snell's Hollow			8	6:06	6:16	596442	4845399	
Survey # 1	Crew Members (initials): MM				25	7:38	7:49	595910	4844780	
Temp. (°C): 21	Precip. (mm): 0	Cloud Cover (%): 0	Wind (km/hr) (Beaufort) 3		37	8:01	8:11	596086	4844393	
Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50).					46	8:56	9:06	595851	4844897	
					54	9:38	9:48	595690	4844510	
Comments:										
BOBOLINK POINT/EASTERN MEADOWLARK COUNT & TRANSECT DATA SHEET										
Trans. #	Pt. Count #	Habitat Unit (field, hedgerow, etc.)	Species (BOBO-EAME)	Time of Obs.	# of Indiv.	Sex M/F/U	Behaviour (breeding evidence codes)	Direction from Obs.	Distance from Obs.	Comments
1	8	meadow	Ø							
1	5	meadow	Ø							
1	7	meadow	Ø							
1	6	meadow	Ø							
1	4	meadow	Ø							

**BOBOLINK/EASTERN MEADOWLARK  
POINT COUNT AND TRANSECT DATA SHEET**

PROJECT, SITE DATA & WEATHER					SUMMARY COUNT					
Project No.: 30043952		Project Title: Snell's Hollow East Secondary plan CETSMP			Pt. Count #	Start Time	End Time	UTM Easting	UTM Northing	
Date (yy/mm/dd): 20/06/08		Site Name: _____			1	07:09	07:19	595448	4844311	
Survey # 2	Crew Members (initials): NP				2	08:43	08:53	595438	4844565	
Temp. (°C): 11	Precip. (mm): /	Cloud Cover (%): 0	Wind (km/hr) (Beaufort): 2		3					
Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50).					4					
					5					
Comments:										
BOBOLINK POINT/EASTERN MEADOWLARK COUNT & TRANSECT DATA SHEET										
Trans. #	Pt. Count #	Habitat Unit (field, hedgerow, etc.)	Species (BOBO-EAME)	Time of Obs.	# of Indiv.	Sex M/F/U	Behaviour (breeding evidence codes)	Direction from Obs.	Distance from Obs.	Comments
1	1	Cultivated meadow	None							
1	2	" "	None							



**BOBOLINK/EASTERN MEADOWLARK  
POINT COUNT AND TRANSECT DATA SHEET**

PROJECT, SITE DATA & WEATHER					SUMMARY COUNT				
Project No.: 300043952		Project Title: Snell's Willow CBRMP			Pt. Count #	Start Time	End Time	UTM Easting	UTM Northing
Date (yy/mm/dd): 20/06/08		Site Name: Snells			108	6:07	6:17	596442	4845399
Survey # 2		Crew Members (initials): MM			205	7:41	7:51	595910	4844780
Temp. (°C): 12	Precip. (mm): 0	Cloud Cover (%): 0	Wind (km/hr) (Beaufort): 2		307	8:01	8:11	596086	484439
Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50).					406	8:47	8:57	595851	484497
					504	7:00	7:10	595690	4844510

Comments:

BOBOLINK POINT/EASTERN MEADOWLARK COUNT & TRANSECT DATA SHEET										
Trans. #	Pt. Count #	Habitat Unit (field, hedgerow, etc.)	Species (BOBO-EAME)	Time of Obs.	# of Indiv.	Sex M/F/U	Behaviour (breeding evidence codes)	Direction from Obs.	Distance from Obs.	Comments
1	8	Meadow	Ø							
1	5	meadow	Ø							
1	7	meadow	Ø							
1	6	meadow	Ø							
1	4	meadow	Ø							

**BOBOLINK/EASTERN MEADOWLARK  
POINT COUNT AND TRANSECT DATA SHEET**

PROJECT, SITE DATA & WEATHER					SUMMARY COUNT					
Project No.: 300043952		Project Title: Snell's Hollow East Camp			Pt. Count #	Start Time	End Time	UTM Easting	UTM Northing	
Date (yy/mm/dd): 20/06/22		Site Name: _____			1	07:31	07:41	595448	4844311	
Survey # 3	Crew Members (initials): NP				2	09:04	09:14	595438	4844565	
Temp. (°C): 21	Precip. (mm): 7	Cloud Cover (%): 90	Wind (km/hr) (Beaufort): 1		3					
Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50).					4					
					5					
Comments:										
BOBOLINK POINT/EASTERN MEADOWLARK COUNT & TRANSECT DATA SHEET										
Trans. #	Pt. Count #	Habitat Unit (field, hedgerow, etc.)	Species (BOBO-EAME)	Time of Obs.	# of Indiv.	Sex M/F/U	Behaviour (breeding evidence codes)	Direction from Obs.	Distance from Obs.	Comments
1	1	Cultivated meadow	None							
1	2	"	None							



**BOBOLINK/EASTERN MEADOWLARK  
POINT COUNT AND TRANSECT DATA SHEET**

PROJECT, SITE DATA & WEATHER					SUMMARY COUNT					
Project No.: 300043952		Project Title: Snell's Hollow C&SMP			Pt. Count #	Start Time	End Time	UTM Easting	UTM Northing	
Date (yy/mm/dd): 20 10/6/22		Site Name: Snells			104	6:04	6:14	595690	4814510	
Survey # 3	Crew Members (Initials): mm				205	6:49	6:59	595910	4844780	
Temp. (°C): 14	Precip. (mm)	Cloud Cover (%): 80	Wind (km/hr) (Beaufort): 0		307	7:08	7:18	596086	484439	
Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50).					408	8:09	8:19	596442	4845399	
					506	8:53	9:03	595951	484497	
Comments:										
BOBOLINK POINT/EASTERN MEADOWLARK COUNT & TRANSECT DATA SHEET										
Trans. #	Pt. Count #	Habitat Unit (field, hedgerow, etc.)	Species (BOBO-EAME)	Time of Obs.	# of Indiv.	Sex M/F/U	Behaviour (breeding evidence codes)	Direction from Obs. (N, NE, E, SE, S, SW, W, NW)	Distance from Obs. (m)	Comments
1	4	meadow	Ø							
1	5	meadow	Ø							
1	7	meadow	Ø							
1	8	meadow	Ø							
1	6	meadow	Ø							



ELC Community Summary Sheet	Polygon #
-----------------------------	-----------

Project #: 43952 Project Name: Snell's Surveyor(s): SAR Date: May 15 19

Polygon Description		Community Series:	Ecosite:	Vegetation Type: <u>ESSI</u> <u>SWT3-1</u>
System: Terrestrial Wetland Aquatic	Topographic Feature: Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff		Dominant Plant Form: Plankton / Submerged / Floating-leaved / Graminoid / Forb / Lichen / Bryophyte / Deciduous / Coniferous / Mixed	
Cover: Open Shrub Treed	History: Natural Cultural	Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie - Savannah & Woodland / Forest / Cultural / Swamp / Bog / Marsh / Open Water / Shallow Water		

Stand Description		
Community Age: Pioneer / Young / Mid-Aged / Mature / Old Growth		Basal Area (m2/ha):
Standing Snags: Rare / Occasional / Abundant / Dominant		
Deadfall Logs: Rare / Occasional / Abundant / Dominant		
Health L / M / H	Sensitivity L / M / H	Botanical Quality L / M / H
Slope: None / Gentle / Moderate / Steep		
Simple / Complex		

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m  
Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 - 24cm DBH	25 - 50cm DBH	> 50cm DBH

Evidence of Disturbance: Tree cutting, exotic species, trails, dumping, noise, predation
Wildlife / Habitat Observations: Birds, mammals, calls, observed, dens, nests
Comments:

Depth Sampled	<u>organic mesic/humic</u> 
Depth to Mottles	
Depth to Gley	
Depth to Bedrock	
Carbonates	
Depth to Gr. Water	
Depth of Organics	
Effective Texture	
Position on Slope	
Moisture Regime	

	Community Name	Code	% of Community
Inclusion	Complex		
Inclusion	Complex		
Inclusion	Complex		

SWT3-1

[illegible][illegible]

deer scat  
RWBB

ELC Community Summary Sheet	Polygon #	SWD6-1
-----------------------------	-----------	--------

Project #: 43952 Project Name: Snell's Hollow Surveyor(s): SAR LJA Date: May 15, 19

Community Series:		Ecosite:	Vegetation Type: SWD6-1
System: Terrestrial Wetland Aquatic	Topographic Feature: Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff		Dominant Plant Form: Plankton / Submerged / Floating-leaved / Graminoid / Forb / Lichen / Bryophyte / Deciduous / Coniferous / Mixed
Cover: Open Shrub Tree	History: Natural Cultural	Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie - Savannah & Woodland / Forest / Cultural / Swamp / Bog / Marsh / Open Water / Shallow Water	

Stand Description		
Community Age: Pioneer / Young / Mid-Aged / Mature / Old Growth	Basal Area (m2/ha):	
Standing Snags: Rare / Occasional / Abundant / Dominant		
Deadfall Logs: Rare / Occasional / Abundant / Dominant		
Health L / M / H	Sensitivity L / M / H	Botanical Quality L / M / H
Slope: None / Gentle / Moderate / Steep		
Simple / Complex		

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m  
Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 - 24cm DBH	25 - 50cm DBH	> 50cm DBH

Evidence of Disturbance: Tree cutting, exotic species, trails, dumping, noise, predation  Wildlife / Habitat Observations: Birds, mammals, calls, observed, dens, nests  Comments:	Depth Sampled		Organic humic/mesic 0
	Depth to Mottles		
	Depth to Gley		
	Depth to Bedrock		
	Carbonates		
	Depth to Gr. Water		
	Depth of Organics		
	Effective Texture		
	Position on Slope		
	Moisture Regime		

Community Name			Code	% of Community
Inclusion	Complex			
Inclusion	Complex			
Inclusion	Complex			



## ELC Community Summary Sheet

Polygon #

SwD6-1

[illegible][illegible][illegible]

ELC Community Summary Sheet	Polygon #
-----------------------------	-----------

SWT3-y  
SWD6-1

Project #: 43952 Project Name: Snell's Surveyor(s): SAR LJA Date: May 15 19

Community Series:		Ecosite:	Vegetation Type: <u>SWT3-1/SWD6-1</u>
System: Terrestrial <u>Wetland</u> Aquatic	Topographic Feature: Lacustrine / Riverine / <u>Bottomland</u> / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff		Dominant Plant Form: Plankton / Submerged / Floating-leaved / Graminoid / Forb / Lichen / Bryophyte / <u>Deciduous</u> / Coniferous / Mixed
Cover: <u>Open</u> <u>Shrub</u> <u>Treed</u>	History: <u>Natural</u> Cultural	Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / <u>Rock Barren</u> / Crevice-Cave / Sand Barren / Tallgrass Prairie - Savannah & Woodland / Forest / Cultural / <u>Swamp</u> / Bog / Marsh / Open Water / Shallow Water	

Stand Description		
Community Age: Pioneer / Young / Mid-Aged / Mature / Old Growth		Basal Area (m2/ha):
Standing Snags: Rare / Occasional / Abundant / Dominant		
Deadfall Logs: Rare / Occasional / Abundant / Dominant		
Health L / M / H	Sensitivity L / M / H	Botanical Quality L / M / H
Slope: None / Gentle / Moderate / Steep		
Simple / Complex		

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m  
Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 - 24cm DBH	25 - 50cm DBH	> 50cm DBH

Evidence of Disturbance: Tree cutting, exotic species, trails, dumping, noise, predation
Wildlife / Habitat Observations: Birds, mammals, calls, observed, dens, nests
Comments:

organic humic/mesic

Depth Sampled	
Depth to Mottles	
Depth to Gley	
Depth to Bedrock	
Carbonates	
Depth to Gr. Water	
Depth of Organics	
Effective Texture	
Position on Slope	
Moisture Regime	

	Community Name	Code	% of Community
Inclusion	Complex		
Inclusion	Complex		
Inclusion	Complex		

SWT 3-1/  
SWD 6-1

[illegible][illegible]

AmRO great blue heron. definite SWT moDO  
lots of Snags. yellow warbler  
wood pecker. AmCR Bl. Jay



ELC Community Summary Sheet	Snell's	Polygon #
-----------------------------	---------	-----------

Project #: \_\_\_\_\_ Project Name: \_\_\_\_\_ Surveyor(s): SAR LJA Date: May 15, 1998

Community Series:		Ecosite:	Vegetation Type: MAS 3-1
System: Terrestrial Wetland Aquatic	Topographic Feature: Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff	Dominant Plant Form: Plankton / Submerged / Floating-leaved / Graminoid / Forb / Lichen / Bryophyte / Deciduous / Coniferous / Mixed	
Cover: Open Shrub Treed	History: Natural Cultural	Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie - Savannah & Woodland / Forest / Cultural / Swamp / Bog / Marsh / Open Water / Shallow Water	

Stand Description		Basal Area (m <sup>2</sup> /ha):
Community Age: Pioneer / Young / Mid-Aged / Mature / Old Growth		
Standing Snags: Rare / Occasional / Abundant / Dominant		
Deadfall Logs: Rare / Occasional / Abundant / Dominant		
Health: L / M / H	Sensitivity: L / M / H	Botanical Quality: L / M / H
Slope: None / Gentle / Moderate / Steep		Simple / Complex

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m

Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 - 24cm DBH	25 - 50cm DBH	> 50cm DBH

Evidence of Disturbance: Tree cutting, exotic species, trails, dumping, noise, predation
Wildlife / Habitat Observations: Birds, mammals, calls, observed, dens, nests
Comments:

Depth Sampled	
Depth to Mottles	
Depth to Gley	
Depth to Bedrock	
Carbonates	
Depth to Gr. Water	
Depth of Organics	
Effective Texture	
Position on Slope	
Moisture Regime	

	Community Name	Code	% of Community
Inclusion	Complex		
Inclusion	Complex		
Inclusion	Complex		

ELC Community Summary Sheet	Polygon #	MA
-----------------------------	-----------	----

**Polygon #**

MAS3.

[illegible][illegible][illegible]

ELC Community Summary Sheet	Polygon #
-----------------------------	-----------

Project #: \_\_\_\_\_ Project Name: Snell's Surveyor(s): SAR GJA Date: May 15, 19

Community Series: <u>Cum</u>		Ecosite: <u>Cum1</u>	Vegetation Type: <u>Cum1</u>
System: Terrestrial Wetland Aquatic	Topographic Feature: Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff		Dominant Plant Form: <u>Plankton</u> / Submerged / Floating-leaved / <u>Graminoid</u> / Forb / Lichen / Bryophyte / Deciduous / Coniferous / Mixed
Cover: <u>Open</u> Shrub Treed	History: Natural <u>Cultural</u>	Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie - Savannah & Woodland / Forest / Cultural / Swamp / Bog / Marsh / Open Water / Shallow Water <u>Meadow</u>	

Stand Description		Basal Area (m <sup>2</sup> /ha):
Community Age: Pioneer / <u>Young</u> / Mid-Aged / Mature / Old Growth		
Standing Snags: Rare / Occasional / Abundant / Dominant		
Deadfall Logs: Rare / Occasional / Abundant / Dominant		
Health: <u>L</u> / M / H	Sensitivity: <u>L</u> / M / H	Botanical Quality: <u>L</u> / M / H
Slope: None / <u>Gentle</u> / <u>Moderate</u> / Steep		Simple / Complex

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m

Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 - 24cm DBH	25 - 50cm DBH	> 50cm DBH

Evidence of Disturbance: Tree cutting, <u>exotic species</u> , <u>trails</u> , <u>dumping</u> , noise, predation
Wildlife / Habitat Observations: <u>Birds</u> , mammals, calls, observed, dens, nests
Comments:

Depth Sampled	
Depth to Mottles	
Depth to Gley	
Depth to Bedrock	
Carbonates	
Depth to Gr. Water	
Depth of Organics	
Effective Texture	
Position on Slope	
Moisture Regime	

	Community Name	Code	% of Community
Inclusion	Complex		
Inclusion	Complex		
Inclusion	Complex		



ELC Community Summary Sheet *Snell's*

**Polygon #**

Cum 1-

[illegible][illegible][illegible]

Bambus



ELC Community Summary Sheet

Polygon #FOC 19

Project #:

Project Name:Shell's

Surveyor(s):SAR LJA

Date:May 15

Polygon Description		Community Series:FOC		Ecosite:	Vegetation Type:
System: Terrestrial Wetland Aquatic	Topographic Feature: Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff			Dominant Plant Form: Plankton / Submerged / Floating-leaved / Graminoid / Forb / Lichen / Bryophyte / Deciduous / Coniferous / Mixed	
Cover: Open Shrub Treed	History: Natural Cultural	Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie - Savannah & Woodland / Forest / Cultural / Swamp / Bog / Marsh / Open Water / Shallow Water			

Stand Description		Basal Area (m2/ha):	
Community Age: Pioneer / Young / Mid-Aged / Mature / Old Growth			
Standing Snags: Rare / Occasional / Abundant / Dominant			
Deadfall Logs: Rare / Occasional / Abundant / Dominant			
Health: L / M / H	Sensitivity: L / M / H	Botanical Quality: L / M / H	
Slope: None / Gentle / Moderate / Steep		Simple / Complex	

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m  
Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 - 24cm DBH	25 - 50cm DBH	> 50cm DBH

Evidence of Disturbance:  
Tree cutting, exotic species, trails, dumping, noise, predation

Wildlife / Habitat Observations:  
Birds, mammals, calls, observed, dens, nests

Comments:  
NOT SWT3-1 as shown  
INTRCA ELC.

Depth Sampled	
Depth to Mottles	
Depth to Gley	
Depth to Bedrock	
Carbonates	
Depth to Gr. Water	
Depth of Organics	
Effective Texture	
Position on Slope	
Moisture Regime	

Community Name			Code	% of Community
Inclusion	Complex			
Inclusion	Complex			
Inclusion	Complex			

## ELC Community Summary Sheet

**Polygon #**

Feb

S Snell's

[illegible][illegible][illegible]

Saps



ELC Community Summary Sheet	Polygon #
-----------------------------	-----------

Project #: 43952 Project Name: Snell's Surveyor(s): \_\_\_\_\_ Date: \_\_\_\_\_

Polygon Description		Community Series:		Ecosite:	Vegetation Type: <u>ES3A</u> <u>SWT3-2</u>
System: <u>Terrestrial</u> <u>Wetland</u> <u>Aquatic</u>	Topographic Feature: <u>Lacustrine</u> / <u>Riverine</u> / <u>Bottomland</u> / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff	Dominant Plant Form: Plankton / Submerged / Floating-leaved / <u>Deciduous</u> Graminoid / Forb / Lichen / Bryophyte / / Coniferous / Mixed			
Cover: <u>Open</u> <u>Shrub</u> Tree	History: Natural Cultural	Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / <u>Rock Barren</u> / Crevice-Cave / Sand Barren / Tallgrass Prairie – Savannah & Woodland / Forest / Cultural <u>Swamp</u> / Bog / Marsh / Open Water / Shallow Water			

Stand Description		
Community Age: Pioneer / Young / Mid-Aged / Mature / Old Growth	Basal Area (m2/ha):	
Standing Snags: Rare / Occasional / Abundant / Dominant		
Deadfall Logs: Rare / Occasional / Abundant / Dominant		
Health L / M / H	Sensitivity L / M / H	Botanical Quality L / M / H
Slope: None / Gentle / Moderate / Steep		
Simple / Complex		

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes – (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m

Cover Codes – (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 – 24cm DBH	25 – 50cm DBH	> 50cm DBH

Evidence of Disturbance: Tree cutting, exotic species, trails, dumping, noise, predation
Wildlife / Habitat Observations: Birds, mammals, calls, observed, dens, nests
Comments: <u>not obs in field.</u> <u>from PSW rept only</u>

Depth Sampled	<u>organic humic/mesic</u>
Depth to Mottles	
Depth to Gley	
Depth to Bedrock	
Carbonates	
Depth to Gr. Water	
Depth of Organics	
Effective Texture	
Position on Slope	
Moisture Regime	

Inclusion	Complex	Community Name	Code	% of Community
Inclusion	Complex			
Inclusion	Complex			

## ELC Community Summary Sheet

Polygon #

SWT-3-2

[illegible][illegible][illegible]

mallard.

ELC Community Summary Sheet	Polygon #
-----------------------------	-----------

Project #: 43952 Project Name: Snell's Surveyor(s): \_\_\_\_\_ Date: \_\_\_\_\_

Community Series:		Ecosite:	Vegetation Type: <u>ne mb-D</u> <u>Mamm1-14</u>
System: Terrestrial <u>Wetland</u> Aquatic	Topographic Feature: Lacustrine / <u>Riverine</u> / <u>Bottomland</u> / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff		Dominant Plant Form: Plankton / Submerged / Floating-leaved / <u>Graminoid</u> / <u>Forb</u> / Lichen / Bryophyte / Deciduous / Coniferous / Mixed
Cover: <u>Open</u> Shrub Treed	History: <u>Natural</u> Cultural	Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie - Savannah & Woodland / Forest / Cultural / Swamp / Bog / <u>Marsh</u> / Open Water / Shallow Water	

Stand Description		Soil Analysis	
Community Age: Pioneer / Young / Mid-Aged / Mature / Old Growth	Basal Area (m <sup>2</sup> /ha):	Soil Drainage: V. Rapid / Rapid / Well / Moderately Well / Imperfect / Poor / V. Poor	
Standing Snags: Rare / Occasional / Abundant / Dominant		Soil Moisture Regime: Dry / Fresh / Moist / Wet	
Deadfall Logs: Rare / Occasional / Abundant / Dominant		Effective Soil Texture: <u>loam</u>	
Health L / M / H	Sensitivity L / M / H	Botanical Quality L / M / H	Depth to Mottles / Gley Sample 1 M - cm / G - cm, Sample 2 M - cm / G - cm
Slope: None / Gentle / Moderate / Steep Simple / Complex		Depth to G. Water: @ m At surface / <1m / >1m	Depth to Bedrock: @ m At surface / <1m / >1m

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m

Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 - 24cm DBH	25 - 50cm DBH	> 50cm DBH

Evidence of Disturbance:  
Tree cutting, exotic species, trails, dumping, noise, predation

Wildlife / Habitat Observations:  
Birds, mammals, calls, observed, dens, nests  
OWES: 4 SPPE, 7MIPTU, WhT.Deer

Comments:  
not ver in spring

Inclusion	Complex	Community Name	Code	% of Community



ELC Community Summary Sheet	Polygon #	
-----------------------------	-----------	--

Polygon #

[illegible][illegible][illegible]

6/25/24

ELC Community Summary Sheet	Polygon #	
-----------------------------	-----------	--

Project #: 43952 Project Name: Shell's Hollow Surveyor(s): \_\_\_\_\_ Date: \_\_\_\_\_

Polygon Description

Community Series:		Ecosite:	Vegetation Type: <u>FFWI-A</u> <u>SAFI-3</u>
System: Terrestrial <u>Wetland</u> <u>Aquatic</u>	Topographic Feature: Lacustrine / <u>Riverine</u> / Bottomland / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff		Dominant Plant Form: Plankton / Submerged / <u>Floating-leaved</u> / Graminoid / Forb / Lichen / Bryophyte / Deciduous / Coniferous / Mixed
Cover: <u>Open</u> Shrub Tree	History: <u>Natural</u> Cultural	Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie – Savannah & Woodland / Forest / Cultural / Swamp / Bog / Marsh / Open Water / <u>Shallow Water</u>	

Stand Description		Soil Analysis	
Community Age: Pioneer / Young / Mid-Aged / Mature / Old Growth		Basal Area (m <sup>2</sup> /ha):	Soil Drainage: V. Rapid / Rapid / Well / Moderately Well / Imperfect / Poor / V. Poor
Standing Snags: Rare / Occasional / Abundant / Dominant		Soil Moisture Regime: Dry / Fresh / Moist / <u>Wet</u> <u>Organic</u>	
Deadfall Logs: Rare / Occasional / Abundant / Dominant		Effective Soil Texture: <u>humic/mesic</u>	
Health L / M / H	Sensitivity L / M / H	Botanical Quality L / M / H	Depth to Mottles / Gley Sample 1 M - cm / G - cm, Sample 2 M - cm / G - cm
Slope: None / Gentle / Moderate / Steep Simple / Complex		Depth to G. Water: @ m Depth to Bedrock: @ m At surface / <1m / >1m At surface / <1m / >1m	

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes – (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m

Cover Codes – (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 – 24cm DBH	25 – 50cm DBH	> 50cm DBH

Evidence of Disturbance:

Tree cutting, exotic species, trails, dumping, noise, predation

Wildlife / Habitat Observations:

Birds, mammals, calls, observed, dens, nests

Comments:

noted in Spring

	Community Name	Code	% of Community
Inclusion	Complex		
Inclusion	Complex		
Inclusion	Complex		

ELC Community Summary Sheet	Polygon #	
-----------------------------	-----------	--

Polygon #

[illegible][illegible][illegible]



ELC Community Summary Sheet	Polygon #
-----------------------------	-----------

Project #: 43952 Project Name: Shells Surveyor(s): \_\_\_\_\_ Date: \_\_\_\_\_

**Polygon Description**

Community Series:		Ecosite:	Vegetation Type: <u>ne Mb-C</u> <u>MAM2-2</u>
System: <u>Terrestrial</u> <u>Wetland</u> Aquatic	Topographic Feature: Lacustrine / Riverine / <u>Bottomland</u> / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff		Dominant Plant Form: Plankton / Submerged / Floating-leaved / <u>Graminoid</u> / Forb / Lichen / Bryophyte / Deciduous / Coniferous / Mixed
Cover: <u>Open</u> Shrub Treed	History: <u>Natural</u> Cultural	Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie - Savannah & Woodland / Forest / Cultural / Swamp / Bog / <u>Marsh</u> / Open Water / Shallow Water	

Stand Description		Soil Analysis	
Community Age: Pioneer / Young / Mid-Aged / Mature / Old Growth		Basal Area (m <sup>2</sup> /ha):	Soil Drainage: V. Rapid / Rapid / Well / Moderately Well / Imperfect / Poor / V. Poor
Standing Snags: Rare / Occasional / Abundant / Dominant		Soil Moisture Regime: Dry / Fresh / Moist / Wet	
Deadfall Logs: Rare / Occasional / Abundant / Dominant		Effective Soil Texture: <u>Loam</u>	
Health L / M / H	Sensitivity L / M / H	Botanical Quality L / M / H	Depth to Mottles / Gley Sample 1 M - cm / G - cm, Sample 2 M - cm / G - cm
Slope: None / Gentle / Moderate / Steep Simple / Complex		Depth to G. Water: @ m Depth to Bedrock: @ m At surface / <1m / >1m At surface / <1m / >1m	

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m

Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 - 24cm DBH	25 - 50cm DBH	> 50cm DBH

**Evidence of Disturbance:**

Tree cutting, exotic species, trails, dumping, noise, predation

**Wildlife / Habitat Observations:**

Birds, mammals, calls, observed, dens, nests

**Comments:**

not ver. in spring

	Community Name	Code	% of Community
Inclusion	Complex		
Inclusion	Complex		
Inclusion	Complex		

ELC Community Summary Sheet	Polygon #	
-----------------------------	-----------	--

**Polygon #**

[illegible][illegible][illegible]

# ELC Community Summary Sheet

Polygon #

1

Project #: 43952

Project Name: Snell's Hollow

Surveyor(s): SA SA

Date: July 11, 2019

## Polygon Description

Community Series: CUM-1		Ecosite:	Vegetation Type:
System: Terrestrial Wetland Aquatic	Topographic Feature: Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / <u>Tableland</u> Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff	Dominant Plant Form: Plankton / Submerged / Floating-leaved / <u>Graminoid</u> / <u>Forb</u> / Lichen / Bryophyte / Deciduous / Coniferous / Mixed	
Cover: Open Shrub Tree	History: Natural <u>Cultural</u>	Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie - Savannah & Woodland / Forest / <u>Cultural</u> / Swamp / Bog / Marsh / Open Water / Shallow Water / <u>Meadow</u>	

## Stand Description

Community Age: Pioneer / Young / Mid-Aged / Mature / Old Growth	Basal Area (m <sup>2</sup> /ha):
Standing Snags: Rare / Occasional / Abundant / Dominant	
Deadfall Logs: Rare / Occasional / Abundant / Dominant	
Health L / M / H	Sensitivity <u>L</u> M / H
Botanical Quality <u>L</u> M / H	
Slope: None / Gentle / Moderate / Steep	
Simple / Complex	

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy	3/10	8	
3 Understorey	4/5	8	
4 Groundlayer	6/7	9	

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m

Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

## Size Class Analysis (Rare / Occasional / Abundant / Dominant)

< 10cm DBH	10 - 24cm DBH	25 - 50cm DBH	> 50cm DBH
------------	---------------	---------------	------------

## Evidence of Disturbance:

Tree cutting, exotic species, trails, dumping, noise, predation  
Located next to Mayfield Rd.

## Wildlife / Habitat Observations:

Birds, mammals, calls, observed, dens, nests

## Comments:

## Depth Sampled

Depth to Mottles

Depth to Gley

Depth to Bedrock

Carbonates

Depth to Gr. Water

Depth of Organics

Effective Texture

Position on Slope

Moisture Regime

Inclusion	Complex	Community Name	Code	% of Community
Inclusion	Complex			
Inclusion	Complex			



## ELC Community Summary Sheet

Polygon #

100

[illegible][illegible][illegible]

# ELC Community Summary Sheet

Polygon #

2

Project #: 43952 Project Name: Snell's Hollow Surveyor(s) SR SR Date: July 11, 2019

## Polygon Description

Community Series: CUM 1-1 (b)		Ecosite:	Vegetation Type:
System: Terrestrial Wetland Aquatic	Topographic Feature: Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff	Dominant Plant Form: Plankton / Submerged / Floating-leaved / Graminoid / Forb / Lichen / Bryophyte / Deciduous / Coniferous / Mixed	
Cover: Open Shrub Tree	History: Natural Cultural	Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie - Savannah & Woodland / Forest / Cultural / Swamp / Bog / Marsh / Open Water / Shallow Water/Meadow	

## Stand Description

Community Age: Pioneer / Young / Mid-Aged / Mature / Old Growth	Basal Area (m2/ha):
Standing Snags: Rare / Occasional / Abundant / Dominant	
Deadfall Logs: Rare / Occasional / Abundant / Dominant	
Health L / M / H	Sensitivity L / M / H
Botanical Quality L / M / H	
Slope: None / Gentle / Moderate / Steep	
Simple / Complex	

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey	4/5	2	
4 Groundlayer	6/7	4	

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m

Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 - 24cm DBH	25 - 50cm DBH	> 50cm DBH

## Evidence of Disturbance:

Tree cutting, exotic species, trails, dumping, noise, predation

Located next to mayfield rd.

## Wildlife / Habitat Observations:

Birds, mammals, calls, observed, dens, nests

## Comments:

Depth Sampled	
Depth to Mottles	
Depth to Gley	
Depth to Bedrock	
Carbonates	
Depth to Gr. Water	
Depth of Organics	
Effective Texture	
Position on Slope	
Moisture Regime	

Inclusion	Complex	Community Name	Code	% of Community
Inclusion	Complex			
Inclusion	Complex			

## 2

[illegible]



ELC Community Summary Sheet	Polygon #	3
-----------------------------	-----------	---

2

[illegible][illegible][illegible]

Butternut GPS - 43.7482 -  
-79.8151

# ELC Community Summary Sheet

Polygon #

3

Project #: 43952

Project Name: Snells Hollow

Surveyor(s): SD SD

Date: July 11, 2019

## Polygon Description

Community Series:

HOL

Ecosite:

Vegetation Type:

System:

Terrestrial

Wetland

Aquatic

Topographic Feature:

Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / Tableland

Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach /

Bar / Sand Dune / Bluff

Dominant Plant Form:

Plankton / Submerged / Floating-leaved /

Graminoid / Forb / Lichen / Bryophyte / Deciduous

/ Coniferous / Mixed

Cover:

Open

Shrub

Tree

History:

Natural

Cultural

Community Class:

Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass

Prairie - Savannah & Woodland / Forest / Cultural / Swamp / Bog / Marsh / Open Water / Shallow

Water/Meadow

Hedge row

## Stand Description

Community Age:

Pioneer / Young / Mid-Aged / Mature / Old Growth

Basal Area (m2/ha):

Standing Snags:

Rare / Occasional / Abundant / Dominant

Deadfall Logs:

Rare / Occasional / Abundant / Dominant

Health

L / M / H

Sensitivity

L / M / H

Botanical Quality

L / M / H

Slope:

None / Gentle / Moderate / Steep

Simple / Complex

Vegetation Layer

Height

Cover

Dominant Sp. Per Vegetation Layer

1

Canopy

2

2

2

Subcanopy

3/4

3

Understorey

5

4

Groundlayer

6/7

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m

Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)

0

D

A

✓

< 10cm DBH

10 - 24cm DBH

25 - 50cm DBH

> 50cm DBH

## Evidence of Disturbance:

Tree cutting, exotic species, trails, dumping, noise, predation

Adjacent to ag. field.

## Wildlife / Habitat Observations:

Birds, mammals, calls, observed, dens, nests

Comments:

Depth Sampled

Depth to Mottles

Depth to Gley

Depth to Bedrock

Carbonates

Depth to Gr. Water

Depth of Organics

Effective Texture

Position on Slope

Moisture Regime

Community Name			Code	% of Community
Inclusion	Complex			
Inclusion	Complex			
Inclusion	Complex			

# ELC Community Summary Sheet

Polygon #

41

classified as Fen

Project #: 43952

Project Name: Snell's Hollow

Surveyor(s): SR

Date: July 11, 2019

## Polygon Description

Community Series:

SAS1-1 / MAS3-1

Ecosite:

Vegetation Type:

System:

Terrestrial  
Wetland  
Aquatic

Topographic Feature:

Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / Tableland  
Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach /  
Bar / Sand Dune / Bluff

Dominant Plant Form:

Plankton / Submerged / Floating-leaved /  
Graminoid / Forb / Lichen / Bryophyte / Deciduous  
/ Coniferous / Mixed emergent

Cover:

Open  
Shrub  
Treed

History:

Natural  
Cultural

Community Class:

Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass  
Prairie - Savannah & Woodland / Forest / Cultural / Swamp / Bog / Marsh / Open Water / Shallow  
Water/Meadow

## Stand Description

Community Age:

Pioneer / Young / Mid-Aged / Mature / Old Growth

Basal Area (m2/ha):

Standing Snags:

Rare / Occasional / Abundant / Dominant

on shore

Deadfall Logs:

Rare / Occasional / Abundant / Dominant

on shore

Health:

L / M / H

Sensitivity

L / M / H

Botanical Quality

L / M / H

Slope:

None / Gentle / Moderate / Steep

Simple / Complex

Vegetation Layer

Height

Cover

Dominant Sp. Per Vegetation Layer

1

Canopy

✓

✓

2

Subcanopy

✓

✓

3

Understorey

✓

✓

4

Groundlayer

4-7

4

Typha SCHOTAB, reed canary grass

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m

Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)

< 10cm DBH

10 - 24cm DBH

25 - 50cm DBH

> 50cm DBH

## Evidence of Disturbance:

Tree cutting, exotic species, trails, dumping, noise, predation

located next to road

## Wildlife / Habitat Observations:

Birds, mammals, calls, observed, dens, nests

6+ Midland painted turtles,  
Barn Swallows, green frogs

Comments:

Depth Sampled

Depth to Mottles

Depth to Gley

Depth to Bedrock

Carbonates

Depth to Gr. Water

Depth of Organics

Effective Texture

Position on Slope

Moisture Regime

			Community Name	Code	% of Community
Inclusion	Complex	✓	OAO + MAS2-1		
Inclusion	Complex		located around edge of OAO		
Inclusion	Complex				

Identified as Fen





ELC Community Summary Sheet	Polygon #
-----------------------------	-----------

Project #: \_\_\_\_\_ Project Name: Shells Hollow Surveyor(s): GL Date: Sept 10, 2019

Polygon Description	
Community Series: <u>SWT</u>	Ecosite:
Vegetation Type: <u>3-1</u>	
System: <u>Terrestrial</u> <u>Wetland</u> <u>Aquatic</u>	Topographic Feature: Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff
Dominant Plant Form: Plankton / Submerged / Floating-leaved / Graminoid / Forb / Lichen / Bryophyte / <u>Deciduous</u> / Coniferous / Mixed	
Cover: <u>Open</u> <u>Shrub</u> <u>Treed</u>	History: <u>Natural</u> Cultural
Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie – Savannah & Woodland / Forest / Cultural / <u>Swamp</u> / Bog / Marsh / Open Water / Shallow Water	

Stand Description	
Community Age: Pioneer / Young / <u>Mid-Aged</u> / Mature / Old Growth	Basal Area (m2/ha):
Standing Snags: <u>Rare</u> / Occasional / Abundant / Dominant	
Deadfall Logs: <u>Rare</u> / Occasional / Abundant / Dominant	
Health: <u>L</u> / <u>M</u> / <u>H</u>	Sensitivity: <u>L</u> / <u>M</u> / <u>H</u>
Botanical Quality: <u>L</u> / <u>M</u> / <u>H</u>	
Slope: None / Gentle / Moderate / Steep	
Simple / Complex	

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes – (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m

Cover Codes – (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 – 24cm DBH	25 – 50cm DBH	> 50cm DBH

Evidence of Disturbance: Tree cutting, <u>exotic species</u> , trails, dumping, noise, predation
Wildlife / Habitat Observations: Birds, mammals, calls, observed, dens, nests <u>Monarchs</u>
Comments:

Depth Sampled	
Depth to Mottles	
Depth to Gley	
Depth to Bedrock	
Carbonates	
Depth to Gr. Water	
Depth of Organics	
Effective Texture	
Position on Slope	
Moisture Regime	

	Community Name	Code	% of Community
Inclusion	Complex		
Inclusion	Complex		
Inclusion	Complex		

ELC Community Summary Sheet	Polygon #	
-----------------------------	-----------	--

Polygon #	
-----------	--

[illegible][illegible][illegible]

✓  
- smooth leaves

monarchs 11/10K

Hex sp.



<b>ELC Community Summary Sheet</b>	<b>Polygon #</b>
------------------------------------	------------------

Project #: \_\_\_\_\_ Project Name: Snells Hollow Surveyor(s): GR Date: Sept 10, 2019

<b>Community Series:</b> <u>SWD</u>		<b>Ecosite:</b>	<b>Vegetation Type:</b> <u>6-1</u>
<b>System:</b> Terrestrial <u>Wetland</u> Aquatic	<b>Topographic Feature:</b> Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff		<b>Dominant Plant Form:</b> Plankton / Submerged / Floating-leaved / Graminoid / Forb / Lichen / Bryophyte / <u>Deciduous</u> / Coniferous / Mixed
<b>Cover:</b> Open <u>Shrub</u> <u>Tree</u>	<b>History:</b> <u>Natural</u> Cultural	<b>Community Class:</b> Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie – Savannah & Woodland / Forest / Cultural / <u>Swamp</u> / Bog / Marsh / Open Water / Shallow Water	

<b>Stand Description</b>		
<b>Community Age:</b> Pioneer / Young / <u>Mid-Aged</u> / Mature / Old Growth	<b>Basal Area (m2/ha):</b>	
<b>Standing Snags:</b> Rare / <u>Occasional</u> / Abundant / Dominant		
<b>Deadfall Logs:</b> Rare / <u>Occasional</u> / Abundant / Dominant		
<b>Health</b> L / <u>M</u> / H	<b>Sensitivity</b> L / <u>M</u> / H	<b>Botanical Quality</b> L / <u>M</u> / H
<b>Slope:</b> None / Gentle / Moderate / Steep		
Simple / Complex		

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes – (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m  
Cover Codes – (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 – 24cm DBH	25 – 50cm DBH	> 50cm DBH

<b>Evidence of Disturbance:</b> Tree cutting, exotic species, trails, dumping, noise, predation
<b>Wildlife / Habitat Observations:</b> Birds, mammals, calls, observed, dens, nests
<b>Comments:</b>

Depth Sampled	
Depth to Mottles	
Depth to Gley	
Depth to Bedrock	
Carbonates	
Depth to Gr. Water	
Depth of Organics	
Effective Texture	
Position on Slope	
Moisture Regime	

	Community Name	Code	% of Community
Inclusion	Complex		
Inclusion	Complex		
Inclusion	Complex		

ELC Community Summary Sheet	Polygon #	
-----------------------------	-----------	--

**Polygon #**

[illegible][illegible][illegible]

started  
some what

People  
Stefan

Rabbit  
Deer track -

<b>ELC Community Summary Sheet</b>	<b>Polygon #</b>
------------------------------------	------------------

Project #: \_\_\_\_\_ Project Name: Snellis Hollow Surveyor(s): Joe Date: Sept 10, 2014

<b>Polygon Description</b>	
<b>Community Series:</b>	<b>Ecosite:</b>
<b>Vegetation Type:</b> <u>MAS3-1</u>	
<b>System:</b> <u>Terrestrial</u> <u>Wetland</u> Aquatic	<b>Topographic Feature:</b> Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff
<b>Dominant Plant Form:</b> Plankton / Submerged / Floating-leaved / <u>Graminoid</u> / Forb / Lichen / Bryophyte / Deciduous / Coniferous / Mixed <u>wetland emergent</u>	
<b>Cover:</b> <u>Open</u> Shrub Treed	<b>History:</b> <u>Natural</u> Cultural
<b>Community Class:</b> Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie - Savannah & Woodland / Forest / Cultural / Swamp / Bog / <u>Marsh</u> / Open Water / Shallow Water	

<b>Stand Description</b>		
<b>Community Age:</b> Pioneer / Young / <u>Mid-Aged</u> / Mature / Old Growth	<b>Basal Area (m2/ha):</b>	
<b>Standing Snags:</b> <u>Rare</u> / Occasional / Abundant / Dominant		
<b>Deadfall Logs:</b> <u>Rare</u> / Occasional / Abundant / Dominant		
<b>Health</b> L / <u>M</u> / H	<b>Sensitivity</b> L / <u>M</u> / H	<b>Botanical Quality</b> L / <u>M</u> / H
<b>Slope:</b> None / Gentle / Moderate / Steep		
Simple / Complex		

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m

Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 - 24cm DBH	25 - 50cm DBH	> 50cm DBH

<b>Evidence of Disturbance:</b> Tree cutting, <u>exotic species</u> , trails, dumping, noise, predation
<b>Wildlife / Habitat Observations:</b> <u>Birds</u> , <u>mammals</u> , <u>calls</u> , <u>observed</u> , dens, nests <u>Large deer (Buck)</u>
<b>Comments:</b>

<b>Depth Sampled</b>	
<b>Depth to Mottles</b>	
<b>Depth to Gley</b>	
<b>Depth to Bedrock</b>	
<b>Carbonates</b>	
<b>Depth to Gr. Water</b>	
<b>Depth of Organics</b>	
<b>Effective Texture</b>	
<b>Position on Slope</b>	
<b>Moisture Regime</b>	

Organics

	Community Name	Code	% of Community
Inclusion	Complex		
Inclusion	Complex		
Inclusion	Complex		

ELC Community Summary Sheet	Polygon #	
-----------------------------	-----------	--

Polygon #	
-----------	--

[illegible][illegible][illegible]

tall  
overs



ELC Community Summary Sheet	Polygon #
-----------------------------	-----------

Project #: \_\_\_\_\_ Project Name: Snell's Hollow Surveyor(s): gk Date: Sept 10, 2019

Polygon Description

Community Series: <u>CUM</u>		Ecosite:	Vegetation Type: <u>1-1</u>
System: <u>Terrestrial</u> Wetland Aquatic	Topographic Feature: Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / <u>Tableland</u> Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff		Dominant Plant Form: Plankton / Submerged / Floating-leaved / <u>Graminoid</u> / Forb / Lichen / Bryophyte / Deciduous / Coniferous / Mixed
Cover: Open Shrub Tree	History: Natural <u>Cultural</u>	Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie – Savannah & Woodland / Forest / <u>Cultural</u> / Swamp / Bog / Marsh / Open Water / Shallow Water	

Stand Description

Community Age: Pioneer / Young / Mid-Aged / Mature / Old Growth		Basal Area (m <sup>2</sup> /ha):	
Standing Snags: Rare / Occasional / Abundant / Dominant			
Deadfall Logs: Rare / Occasional / Abundant / Dominant			
Health L / M / H	Sensitivity L / M / H	Botanical Quality L / M / H	
Slope: None / <u>Gentle</u> / Moderate / Steep		Simple / Complex	

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes – (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m

Cover Codes – (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 – 24cm DBH	25 – 50cm DBH	> 50cm DBH

Evidence of Disturbance:

Tree cutting, exotic species, trails, dumping, noise, predation

Invasive species  
Adjacent to road

Wildlife / Habitat Observations:

Birds, mammals, calls, observed, dens, nests

Rabbit  
Monarchs foraging

Comments:

Depth Sampled	
Depth to Mottles	
Depth to Gley	
Depth to Bedrock	
Carbonates	
Depth to Gr. Water	
Depth of Organics	
Effective Texture	
Position on Slope	
Moisture Regime	

	Community Name	Code	% of Community
Inclusion	Complex		
Inclusion	Complex		
Inclusion	Complex		

ELC Community Summary Sheet	Polygon #	
-----------------------------	-----------	--

Polygon #	
-----------	--

[illegible][illegible][illegible]

# ELC Community Summary Sheet

Polygon #

Project #:

Project Name: Snell's Hollow

Surveyor(s): SD

Date: Sept 10, 2019

## Polygon Description

Community Series: <u>FOC</u>		Ecosite:	Vegetation Type:
System: <u>Terrestrial</u> Wetland Aquatic	Topographic Feature: Lacustrine / Riverine / Bottomland / Terrace / <u>Valley Slope</u> / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / <u>Alvar</u> / Rockland / Beach / Bar / Sand Dune / Bluff		Dominant Plant Form: Plankton / Submerged / Floating-leaved / Graminoid / Forb / Lichen / Bryophyte / Deciduous <u>Coniferous</u> / Mixed
Cover: Open Shrub Treed	History: Natural <u>Cultural</u>	Community Class: Beach-Bar / Sand Dune / Bluff / Cliff / Talus / <u>Alvar</u> / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie – Savannah & Woodland / <u>Forest</u> / <u>Cultural</u> / Swamp / Bog / Marsh / Open Water / Shallow Water	

## Stand Description

Community Age: Pioneer / Young / <u>Mid-Aged</u> / Mature / Old Growth		Basal Area (m <sup>2</sup> /ha):	
Standing Snags: Rare / Occasional / Abundant / Dominant			
Deadfall Logs: Rare / Occasional / Abundant / Dominant			
Health: <u>L</u> / M / H	Sensitivity: <u>L</u> / M / H	Botanical Quality: <u>L</u> / M / H	
Slope: None / Gentle / <u>Moderate</u> / Steep		Simple / Complex	

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes – (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m

Cover Codes – (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 – 24cm DBH	25 – 50cm DBH	> 50cm DBH

## Evidence of Disturbance:

Tree cutting, exotic species, trails, dumping, noise, predation

## Wildlife / Habitat Observations:

Birds, mammals, calls, observed, dens, nests

## Comments:

## Depth Sampled

Depth to Mottles

Depth to Gley

Depth to Bedrock

Carbonates

Depth to Gr. Water

Depth of Organics

Effective Texture

Position on Slope

Moisture Regime

	Community Name	Code	% of Community
Inclusion <input checked="" type="checkbox"/> Complex	<u>Mixed Forest</u>	<u>FOH</u>	<u>10%</u>
Inclusion <input type="checkbox"/> Complex			
Inclusion <input type="checkbox"/> Complex			

<b>ELC Community Summary Sheet</b>	<b>Polygon #</b>	
------------------------------------	------------------	--

Polygon #	
-----------	--

[illegible][illegible][illegible]



<b>ELC Community Summary Sheet</b>	<b>Polygon #</b>
------------------------------------	------------------

Project #: 043952 Project Name: Snell's Hollow Surveyor(s): SK Date: 06/18

<b>Community Series:</b> <u>HAS -</u>		<b>Ecosite:</b> <u>2</u>	<b>Vegetation Type:</b> <u>1</u>
<b>System:</b> <u>Wetland</u> Terrestrial Aquatic	<b>Topographic Feature:</b> Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / Tableland Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff		<b>Dominant Plant Form:</b> Plankton / Submerged / Floating-leaved / Graminoid / Forb / Lichen / Bryophyte / Deciduous / Coniferous / Mixed <u>emergent - cattail</u>
<b>Cover:</b> <u>Open</u> Shrub Treed	<b>History:</b> <u>Natural</u> <u>Cultural</u>	<b>Community Class:</b> Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie - Savannah & Woodland / Forest / Cultural / Swamp / Bog / Marsh / Open Water / <u>Shallow Water</u>	

<b>Stand Description</b>		
<b>Community Age:</b> Pioneer / Young / Mid-Aged / Mature / Old Growth		<b>Basal Area (m2/ha):</b>
<b>Standing Snags:</b> Rare / Occasional / Abundant / Dominant		
<b>Deadfall Logs:</b> Rare / Occasional / Abundant / Dominant		
<b>Health</b> L / M / H	<b>Sensitivity</b> L / M / H	<b>Botanical Quality</b> L / M / H
<b>Slope:</b> None / Gentle / Moderate / Steep		
Simple / Complex		

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			<u>Cattail</u>

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m  
Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 - 24cm DBH	25 - 50cm DBH	> 50cm DBH

<b>Evidence of Disturbance:</b> Tree cutting, exotic species, trails, dumping, noise, predation
<b>Wildlife / Habitat Observations:</b> Birds, mammals, calls, observed, dens, nests <u>Nesting Redwing Blackbirds</u> <u>x 5 pairs</u>
<b>Comments:</b> <u>Agricultural runoff - depression</u> <u>no discharge point or</u> <u>connection to wetland noted.</u>

<b>Depth Sampled</b>	
<b>Depth to Mottles</b>	
<b>Depth to Gley</b>	
<b>Depth to Bedrock</b>	
<b>Carbonates</b>	
<b>Depth to Gr. Water</b>	
<b>Depth of Organics</b>	
<b>Effective Texture</b>	
<b>Position on Slope</b>	
<b>Moisture Regime</b>	

about soil.

Community Name			Code	% of Community
Inclusion	Complex			
Inclusion	Complex			
Inclusion	Complex			

## ELC Community Summary Sheet

**Polygon #**

[illegible][illegible][illegible]

<b>ELC Community Summary Sheet</b>	<b>Polygon #</b>
------------------------------------	------------------

Project #: 043952 Project Name: Snell's Hollow Surveyor(s): SR Date: 6/6/18

<b>Community Series:</b>		<b>Ecosite:</b>	<b>Vegetation Type:</b>
<b>System:</b> Terrestrial Wetland Aquatic	<b>Topographic Feature:</b> Lacustrine / Riverine / Bottomland / Terrace / Valley Slope / <u>Tableland</u> Rolling Upland / Cliff / Talus / Crevice / Cave / Alvar / Rockland / Beach / Bar / Sand Dune / Bluff	<b>Dominant Plant Form:</b> Plankton / Submerged / Floating-leaved / <u>Graminoid</u> / Forb / Lichen / Bryophyte / Deciduous / Coniferous / Mixed	
<b>Cover:</b> Open Shrub Treed	<b>History:</b> Natural Cultural	<b>Community Class:</b> Beach-Bar / Sand Dune / Bluff / Cliff / Talus / Alvar / Rock Barren / Crevice-Cave / Sand Barren / Tallgrass Prairie - Savannah & Woodland / Forest / Cultural / Swamp / Bog / Marsh / Open Water / Shallow Water <u>fish / meadow</u>	

<b>Stand Description</b>		
<b>Community Age:</b> Pioneer / Young / Mid-Aged / Mature / Old Growth	<b>Basal Area (m2/ha):</b>	
<b>Standing Snags:</b> Rare / Occasional / Abundant / Dominant <u>NA</u>		
<b>Deadfall Logs:</b> Rare / Occasional / Abundant / Dominant <u>NA</u>		
<b>Health</b> L / M / H	<b>Sensitivity</b> L / M / H	<b>Botanical Quality</b> L / M / H
<b>Slope:</b> None / <u>Gentle</u> / Moderate / Steep <u>Simple</u> / Complex		

Vegetation Layer	Height	Cover	Dominant Sp. Per Vegetation Layer
1 Canopy			
2 Subcanopy			
3 Understorey			
4 Groundlayer			

Height Codes - (1) >20m, (2) 10-20m, (3) 2-10m, (4) 1-2m, (5) 0.5-1m, (6) 0.2-0.5m, (7) <0.2m  
Cover Codes - (0) None, (1) 1-10%, (2) 10-25%, (3) 25-60%, (4) >60%

Size Class Analysis (Rare / Occasional / Abundant / Dominant)	< 10cm DBH	10 - 24cm DBH	25 - 50cm DBH	> 50cm DBH

<b>Evidence of Disturbance:</b> Tree cutting, exotic species, trails, dumping, noise, predation
<b>Wildlife / Habitat Observations:</b> Birds, mammals, calls, observed, dens, nests
<b>Comments:</b>

Depth Sampled	
Depth to Mottles	
Depth to Gley	
Depth to Bedrock	
Carbonates	
Depth to Gr. Water	
Depth of Organics	
Effective Texture	
Position on Slope	
Moisture Regime	

Community Name			Code	% of Community
Inclusion	Complex			
Inclusion	Complex			
Inclusion	Complex			

N	NATIVE
O	NON-NATIVE
I	AGGRESSIVE
	INVASIVE

## Polygon #

NO

[illegible][illegible]




# Snell's Hollow East - Structures west end

300043952.0000

Structure survey completed on  
April 24, 2020

## Legend

 Structures






# Snell's Hollow East - Structure S7 east end

300043952.0000

## Legend

 Structures

S7

S7 - fallen down  
sign

Heart Lake PSW Complex (WL#1)



-14\_200406



MPTU-13\_200406

Google Earth

-3\_200406

© 2020 Google

AMPH4



70 m



## 300043952, S1

Project	300043952 (Snell's Hollow East)
Created	2020-04-22 19:24:49 UTC by Nadine Price
Updated	2020-04-28 18:55:57 UTC by Nadine Price
Location	43.746025, -79.816036
Visit Status	<span style="color: green;">■</span> Visit 1

## Structure

Project Number	300043952
Structure ID	S1
StructureType	House
Is Chimney Present?	Yes
If Chimney Present: Capped or Lined?	No
Comments	Saw RTH on first visit

## Visit 1, 2020-04-24

calcVisitLabel	Visit 1
Most fields in this section will auto fill based on the last entry made.	
Visit Count	1
Project Number	300043770
Observers	Nadine Price
Date	2020-04-24
Start Time	10:47
End Time	10:55
Temperature °C	6
Sky Code	(2) Cloudy or Overcast
Wind Scale	(3) Gentle breeze, leaves & twigs in constant motion: 12-19km/hr
Potential or Confirmed SAR Using Structure?	No
Comments	Check during active season if any birds nest in covered patio.

Photos









Is External Inspection Conducted?	No
Is Internal Inspection Conducted?	No

## 300043952, S2

Project	300043952 (Snell's Hollow East)
Created	2020-04-22 18:33:26 UTC by Nadine Price
Updated	2020-04-28 18:25:54 UTC by Nadine Price
Location	43.745965, -79.815991
Visit Status	<span style="color: green;">■</span> Visit 1

### Structure

Project Number	300043952
Structure ID	S2
StructureType	Chimney
Is Chimney Present?	Yes
If Chimney Present: Capped or Lined?	No
Type of Chimney	Brick
Comments	Can see metal screen grating on top, may be covering entire top of chimney but not certain.

### Visit 1, 2020-04-24

calcVisitLabel	Visit 1
Most fields in this section will auto fill based on the last entry made.	
Visit Count	1
Project Number	300043952
Observers	Nadine Price
Date	2020-04-24
Start Time	10:59
End Time	11:02
Temperature °C	6
Sky Code	(2) Cloudy or Overcast
Wind Scale	(3) Gentle breeze, leaves & twigs in constant motion: 12-19km/hr
Potential or Confirmed SAR Using Structure?	Unknown
Comments	Can see metal screen grating on top, may be covering entire top of chimney but not certain.

## Photos



Is External Inspection Conducted?	Yes
-----------------------------------	-----

Is Internal Inspection Conducted?	No
-----------------------------------	----

## Chimney Swift Habitat Checklist

### External Inspection

Is the chimney located on an old educational, institutional, industrial or commercial establishment or similar building?	No
--	----

Is the chimney at least 2.5 standard bricks wide on each side?	No
--	----

Does the chimney feature any of the following? - Visible spark protector - Animal guard - Aluminum flue protruding from it?	Yes
---	-----

Is the chimney round or square in profile?	No
--	----

Is there a terra cotta tile protruding from top of chimney that is not lined with metal?	No
External Inspection Comment	Rectangular shaped chimney, only 2 bricks wide on one side and 4 bricks wide on longer side. Looks like May be covered on top with metal...



## 300043952, S3

Project	300043952 (Snell's Hollow East)
Created	2020-04-22 19:27:02 UTC by Nadine Price
Updated	2020-04-28 18:05:02 UTC by Nadine Price
Location	43.746096, -79.815704
Visit Status	<span style="color: green;">■</span> Visit 1

### Structure

Project Number	300043952
Structure ID	S3
StructureType	Garage
Is Chimney Present?	No

### Visit 1, 2020-04-24

calcVisitLabel	Visit 1
Most fields in this section will auto fill based on the last entry made.	
Visit Count	1
Project Number	300043770
Observers	Nadine Price
Date	2020-04-24
Start Time	11:11
End Time	11:14
Temperature °C	6
Sky Code	(2) Cloudy or Overcast
Wind Scale	(3) Gentle breeze, leaves & twigs in constant motion: 12-19km/hr
Potential or Confirmed SAR Using Structure?	No
Comments	No holes big enough for BARS to get in and no nests on outside of structure. Also it is mainly metal.

### Photos



Is External Inspection Conducted?	No
-----------------------------------	----

Is Internal Inspection Conducted?

No

---

## 300043952, S4

Project	300043952 (Snell's Hollow East)
Created	2020-04-22 18:35:54 UTC by Nadine Price
Updated	2020-04-24 15:22:25 UTC by Nadine Price
Location	43.746441, -79.816662
Visit Status	<span style="color: green;">■</span> Visit 1

## Structure

Project Number	300043952
Structure ID	S4
StructureType	Barn
Is Chimney Present?	No

## Visit 1, 2020-04-24

calcVisitLabel	Visit 1
Most fields in this section will auto fill based on the last entry made.	
Visit Count	1
Project Number	300043952
Observers	Nadine Price
Date	2020-04-24
Start Time	11:18
End Time	11:22
Temperature °C	6
Sky Code	(2) Cloudy or Overcast
Wind Scale	(3) Gentle breeze, leaves & twigs in constant motion: 12-19km/hr
Potential or Confirmed SAR Using Structure?	No
Comments	No holes for birds to get inside and all metal.

Photos



Is External Inspection Conducted?	No
Is Internal Inspection Conducted?	No



## 300043952, S5

Project	300043952 (Snell's Hollow East)
Created	2020-04-22 18:37:09 UTC by Nadine Price
Updated	2020-04-24 15:27:08 UTC by Nadine Price
Location	43.746724, -79.816347
Visit Status	<span style="color: green;">■</span> Visit 1

## Structure

Project Number	300043952
Structure ID	S5
StructureType	Barn
Is Chimney Present?	No

## Visit 1, 2020-04-24

calcVisitLabel	Visit 1
Most fields in this section will auto fill based on the last entry made.	
Visit Count	1
Project Number	300043952
Observers	Nadine Price
Date	2020-04-24
Start Time	11:22
End Time	11:26
Temperature °C	6
Sky Code	(2) Cloudy or Overcast
Wind Scale	(3) Gentle breeze, leaves & twigs in constant motion: 12-19km/hr
Potential or Confirmed SAR Using Structure?	No
Comments	All covered and made of metal. No bird nests.

Photos





Is External Inspection Conducted?	No
Is Internal Inspection Conducted?	No

## 300043952, S6

Project	300043952 (Snell's Hollow East)
Created	2020-04-22 18:38:17 UTC by Nadine Price
Updated	2020-04-24 15:33:00 UTC by Nadine Price
Location	43.746949, -79.816901
Visit Status	<span style="color: green;">■</span> Visit 1

## Structure

Project Number	300043952
Structure ID	S6
StructureType	Foundation
Is Chimney Present?	No

## Visit 1, 2020-04-24

calcVisitLabel	Visit 1
Most fields in this section will auto fill based on the last entry made.	
Visit Count	1
Project Number	300043952
Observers	Nadine Price
Date	2020-04-24
Start Time	11:27
End Time	11:32
Temperature °C	6
Sky Code	(2) Cloudy or Overcast
Wind Scale	(3) Gentle breeze, leaves & twigs in constant motion: 12-19km/hr
Potential or Confirmed SAR Using Structure?	No
Comments	Very open, didn't see nests. But good foundation for potential snake hibernacula.

Photos



Is External Inspection Conducted?	No
Is Internal Inspection Conducted?	No



## 300043952, S7

Project	300043952 (Snell's Hollow East)
Created	2020-04-22 18:39:56 UTC by Nadine Price
Updated	2020-04-24 16:19:18 UTC by Nadine Price
Location	43.751516, -79.806719
Visit Status	<span style="color: green;">■</span> Visit 1

### Structure

Project Number	300043952
Structure ID	S7
StructureType	Sign
Is Chimney Present?	No

### Visit 1, 2020-04-24

calcVisitLabel	Visit 1
Most fields in this section will auto fill based on the last entry made.	
Visit Count	1
Project Number	300043952
Observers	Nadine Price
Date	2020-04-24
Start Time	12:18
End Time	12:19
Temperature °C	6
Sky Code	(2) Cloudy or Overcast
Wind Scale	(3) Gentle breeze, leaves & twigs in constant motion: 12-19km/hr
Potential or Confirmed SAR Using Structure?	No
Comments	Toppled over sign, no birds.

#### Photos



Is External Inspection Conducted?	No
Is Internal Inspection Conducted?	No

## 300043952, S8

Project	300043952 (Snell's Hollow East)
Created	2020-04-24 15:02:53 UTC by Nadine Price
Updated	2020-04-28 18:28:21 UTC by Nadine Price
Location	43.746063, -79.816107
Visit Status	<span style="color: green;">■</span> Visit 1

## Structure

Project Number	300043952
Structure ID	S8
StructureType	Chimney
Is Chimney Present?	Yes
If Chimney Present: Capped or Lined?	No
Type of Chimney	Brick

## Visit 1, 2020-04-24

calcVisitLabel	Visit 1
Most fields in this section will auto fill based on the last entry made.	
Visit Count	1
Project Number	300043952
Observers	Nadine Price
Date	2020-04-24
Start Time	11:03
End Time	11:06
Temperature °C	6
Sky Code	(2) Cloudy or Overcast
Wind Scale	(3) Gentle breeze, leaves & twigs in constant motion: 12-19km/hr
Potential or Confirmed SAR Using Structure?	Unknown
Comments	Looks to be too small for CHSW.

## Photos



Is External Inspection Conducted?	Yes
-----------------------------------	-----

Is Internal Inspection Conducted?	No
-----------------------------------	----

## Chimney Swift Habitat Checklist

### External Inspection

Is the chimney located on an old educational, institutional, industrial or commercial establishment or similar building?	No
--	----

Is the chimney at least 2.5 standard bricks wide on each side?	No
--	----

Does the chimney feature any of the following? - Visible spark protector - Animal guard - Aluminum flue protruding from it?	Yes
---	-----

Is the chimney round or square in profile?	Yes
--	-----

Is there a terra cotta tile protruding from top of chimney that is not lined with metal?	No
External Inspection Comment	Only 2 bricks wide and see metal screening/grating as well on it.



## 300043952, S9

Project	300043952 (Snell's Hollow East)
Created	2020-04-24 15:06:40 UTC by Nadine Price
Updated	2020-04-28 18:29:15 UTC by Nadine Price
Location	43.746104, -79.81604
Visit Status	<span style="color: green;">■</span> Visit 1

### Structure

Project Number	300043952
Structure ID	S9
StructureType	Chimney
Is Chimney Present?	Yes
If Chimney Present: Capped or Lined?	Yes
Type of Chimney	Brick

### Visit 1, 2020-04-24

calcVisitLabel	Visit 1
Most fields in this section will auto fill based on the last entry made.	
Visit Count	1
Project Number	300043952
Observers	Nadine Price
Date	2020-04-24
Start Time	11:07
End Time	11:11
Temperature °C	6
Sky Code	(2) Cloudy or Overcast
Wind Scale	(3) Gentle breeze, leaves & twigs in constant motion: 12-19km/hr
Potential or Confirmed SAR Using Structure?	Unknown
Comments	Chimney at back of house

Photos







Is External Inspection Conducted?	Yes
Is Internal Inspection Conducted?	No

## Chimney Swift Habitat Checklist

### External Inspection

Is the chimney located on an old educational, institutional, industrial or commercial establishment or similar building?	No
Is the chimney at least 2.5 standard bricks wide on each side?	No
Does the chimney feature any of the following? - Visible spark protector - Animal guard - Aluminum flue protruding from it?	Yes
Is the chimney round or square in profile?	No
Is there a terra cotta tile protruding from top of chimney that is not lined with metal?	No
External Inspection Comment	Similar to S2, is rectangular in shape and can see something on top likely covering opening.

PROJECT AND SITE DATA							
Project No.: 0192		Project Title: Snell's Hollow East				Date (yy/mm/dd): 20/04/03	
Site Name: Turtle station 1					No. of Photos: 8	Site No.: 1	Sample No.: 1a
Crew Members (initials): Nadine Price, Stewart Gibson							
GPS DATA							
Location UTM: 595451.299 E, 4844130.7 <sup>4N</sup>					UTM Zone: 17T	Map Attached: <input checked="" type="checkbox"/>	
WEATHER							
Start Time: 11:20am	Search Duration: 12min	Air Temp. Start (°C): 8.0	Water Temp. (°C):	Wind (km/hr) (Beaufort): 3	Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50)		
End Time: 11:32		Air Temp. End (°C): 6.7	Precip (mm):	Cloud Cover (%): 100			
HABITAT							
Proportion of Suitable Habitat Surveyed: 90%							
Wetland Type: Shrub pond w/ cattails dominant, willows, dogwood					Substrate: unknown		
Wetland Size (dimensions, area): 0.20 ha (area); 137 m (perimeter)					Average Water Depth: unknown		
Vegetation (check all that apply)	<input type="checkbox"/> Rush/Sedge	<input type="checkbox"/> Trees	<input type="checkbox"/> Shrub/Thicket	<input type="checkbox"/> Aquatic Submerged	<input type="checkbox"/> Reed/Phragmites		
	<input type="checkbox"/> Floating Mat	<input checked="" type="checkbox"/> Cattail	<input type="checkbox"/> Sphagnum/Peat	<input type="checkbox"/> Aquatic Emergent	<input type="checkbox"/> Other		
Terrestrial Shoreline Habitat (ELC)							
BLANDING TURTLE OBSERVATIONS							
Easting	Northing	Accuracy (m)	Time	Behavior	Age/Sex	Photo No.:	Notes
None							
INCIDENTAL OBSERVATIONS OF OTHER SPECIES OR IMPORTANT HABITAT FEATURES							
Species/Feature		Easting	Northing	Accuracy (m)	Comments		
None							
GENERAL COMMENTS (habitat notes, invasive species, potential threats)							
Habitat scoping day but did spend some time looking for turtles.							

- habitat scoping day

Incidentals  
 ✓ Sosp 2 in shrubs near pond.  
 RWBL  
 AmRo  
 Killdeer x2 flew over.  
 Mallard ♂



Turtle station 1



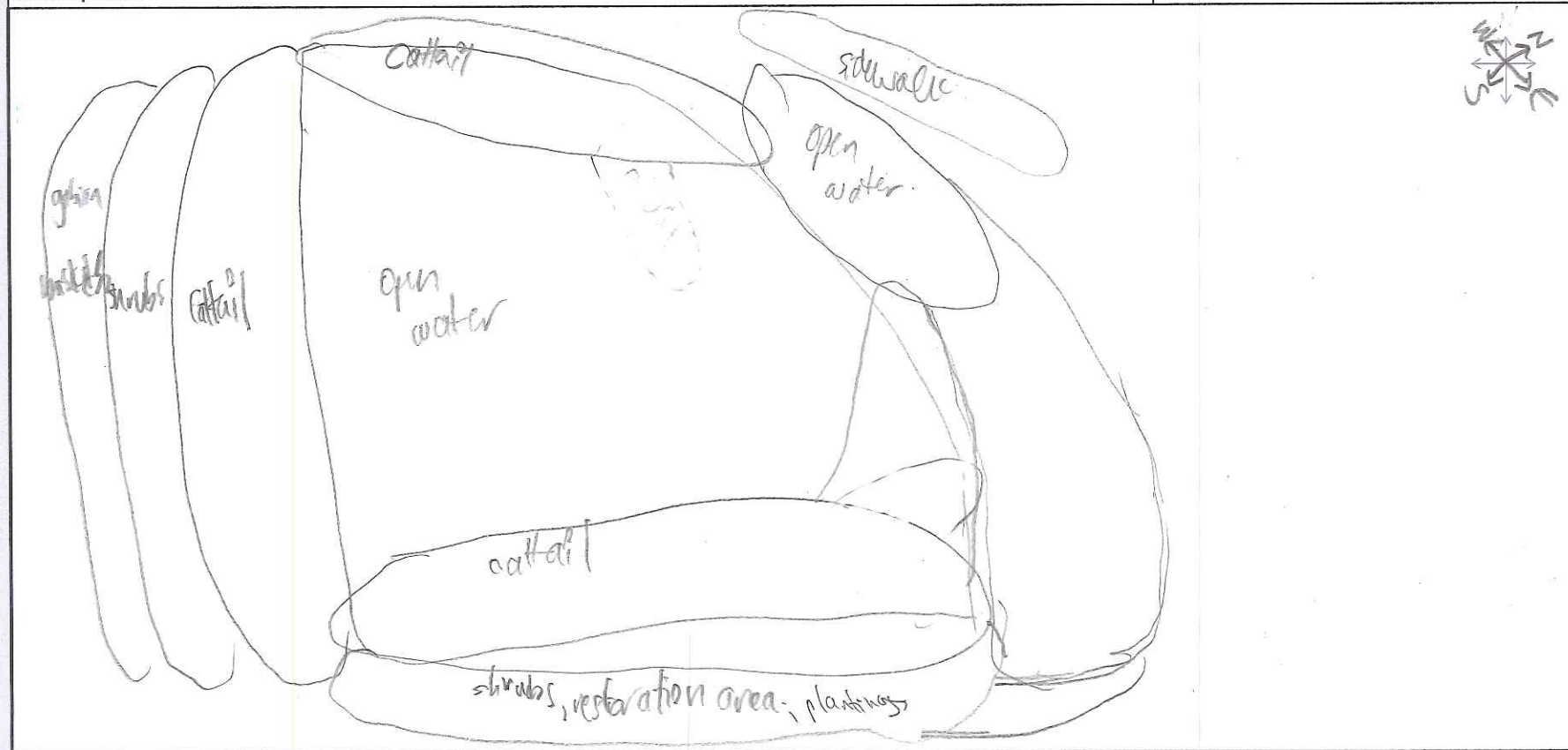
AQUATIC HABITAT MAPPING  
DATA SHEET

128 Wellington St., W. #301, Barrie, ON, L4N-1K9

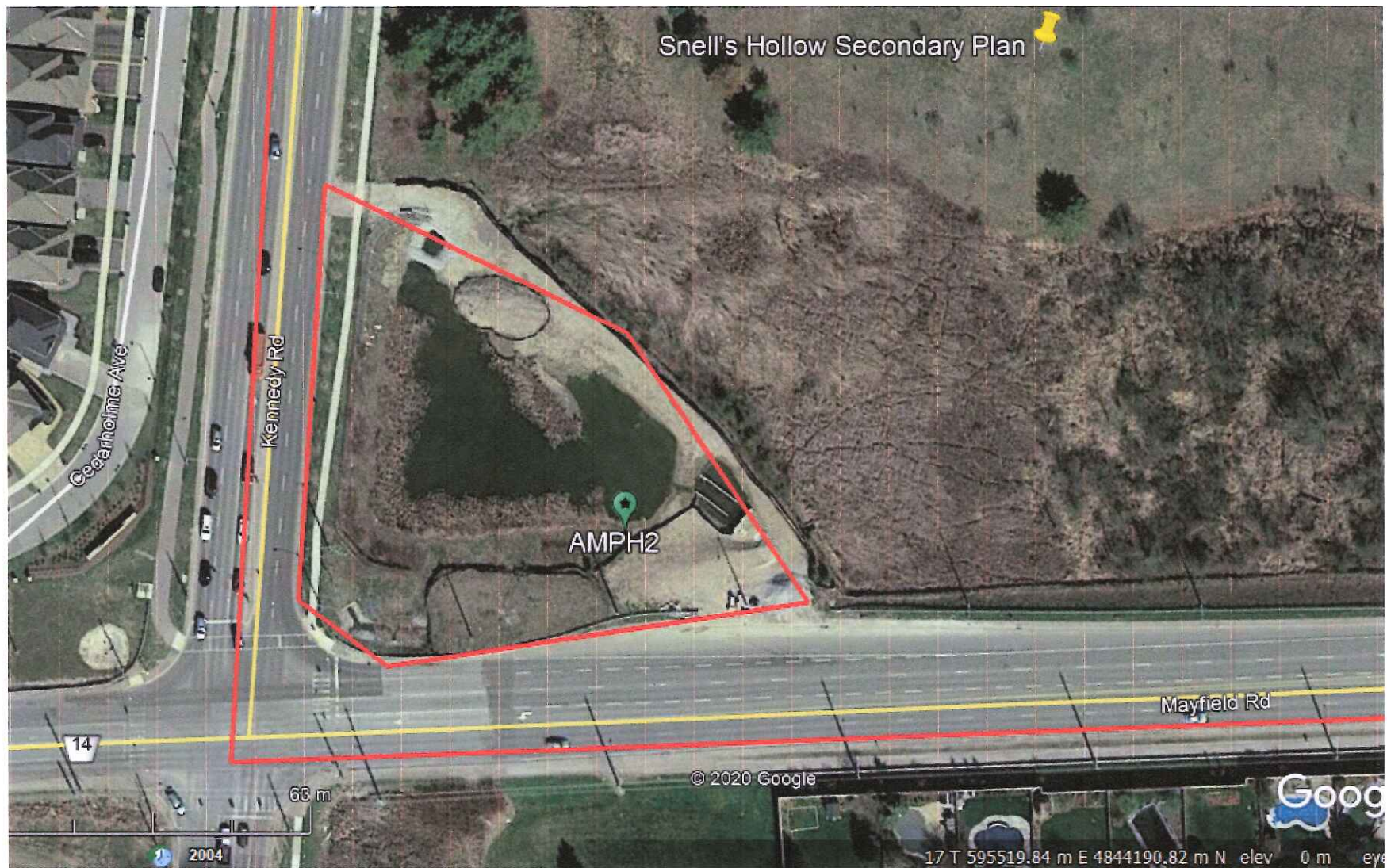
PROJECT AND SITE DATA

Project No.: 0455	Project Title: Snell's Hollow East	Date (YY/MM/DD): 20/04/03
Crew Members (initials): NP, SG		
Site Name: Turtle Station 1	Site Location: Caledon, NE corner of Kennedy Rd + Mayfield Rd	
Description of Location and Comments (con't): Small Pond, cattail dominant, restoration area by road.		

Habitat Map Sketch:



Habitat scoping day  
Turtle survey 1<sup>st</sup> station 1 - Apr. 3/20





PROJECT AND SITE DATA							
Project No.: 04952		Project Title: Snells Hollow East				Date (yy/mm/dd): 20/04/03	
Site Name: Turtle station 2					No. of Photos: 4	Site No.: 2	Sample No.: 1a
Crew Members (initials): Nadine Price, Stewart Gibson							
GPS DATA							
Location UTM: 595697.74E, 4844590.59N					UTM Zone: 17T	Map Attached: <input checked="" type="checkbox"/>	
WEATHER							
Start Time: 11:01 am	Search Duration: 1 min.	Air Temp. Start (°C): 5.4	Water Temp. (°C):	Wind (km/hr) (Beaufort): 3	Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50)		
End Time: 11:01		Air Temp. End (°C): 8.0	Precip (mm):	Cloud Cover (%): 100			
HABITAT							
Proportion of Suitable Habitat Surveyed: 5-10%							
Wetland Type: Cattail marsh.					Substrate: —		
Wetland Size (dimensions, area): 1.21 ha (area); 543 m (perimeter)					Average Water Depth: —		
Vegetation (check all that apply)	<input type="checkbox"/> Rush/Sedge	<input type="checkbox"/> Trees	<input checked="" type="checkbox"/> Shrub/Thicket		<input type="checkbox"/> Aquatic Submerged	<input type="checkbox"/> Reed/Phragmites	
	<input type="checkbox"/> Floating Mat	<input checked="" type="checkbox"/> Cattail	<input type="checkbox"/> Sphagnum/Peat		<input type="checkbox"/> Aquatic Emergent	<input type="checkbox"/> Other	
Terrestrial Shoreline Habitat (ELC)							
BLANDING TURTLE OBSERVATIONS							
Easting	Northing	Accuracy (m)	Time	Behavior	Age/Sex	Photo No.:	Notes
None							
INCIDENTAL OBSERVATIONS OF OTHER SPECIES OR IMPORTANT HABITAT FEATURES							
Species/Feature	Easting	Northing	Accuracy (m)	Comments			
None							
GENERAL COMMENTS (habitat notes, invasive species, potential threats)							
Habitat surveying day, marginal habitat for turtles - densely vegetated w/ only some shallow water in some areas - will likely dry later in season. Still plan to briefly survey swamp at each survey visit. Only checked S side today.							

Incidentals

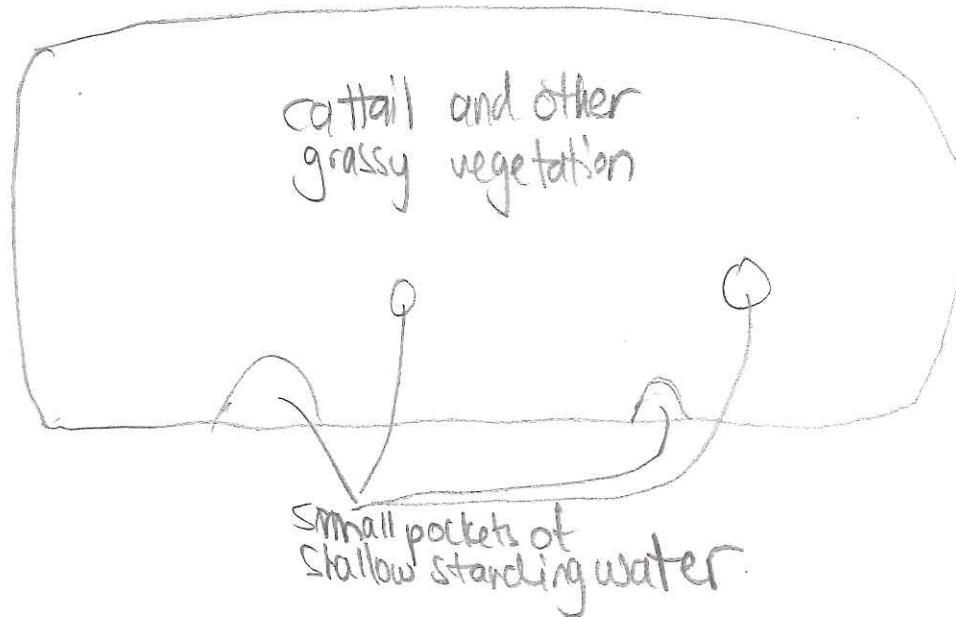
Coyote - saw lots of scat  
Deer - Stewart observed browsing evidence.

when were they  
found?

Habit  
scoping  
day

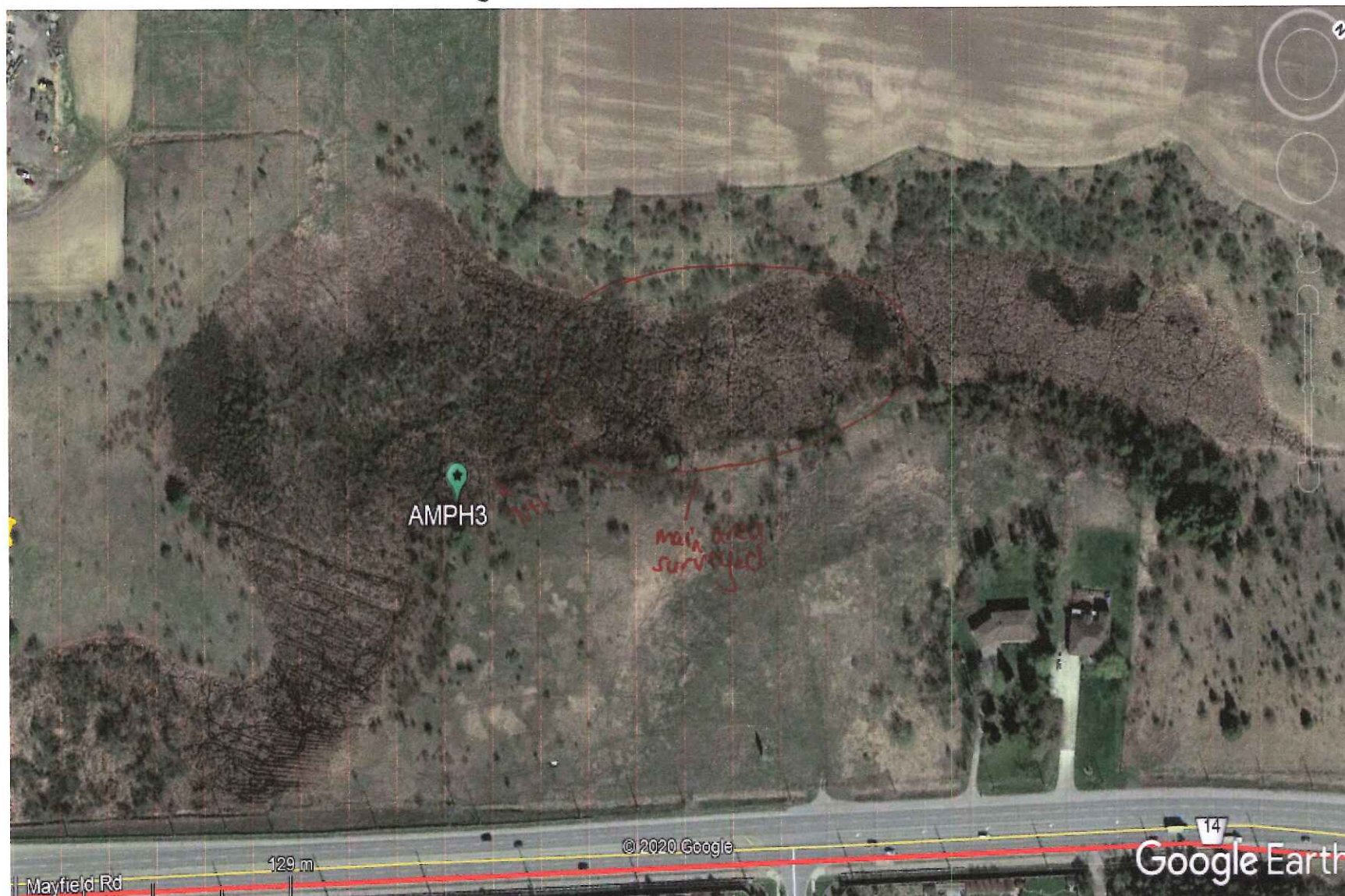
**PROJECT AND SITE DATA**

Project No.: 04952	Project Title: Snell's Hollow East	Date (YY/MM/DD): 20/04/05
Crew Members (initials): NP, SG		
Site Name: Turtle Station	Site Location: Caledon, N side of Mayfield Rd.	
Description of Location and Comments (con't): Thicket swamp and cattail marsh.		
Habitat Map Sketch:		





Habitat mapping day.  
Turtle survey 19, station 2 - Apr. 3/19.



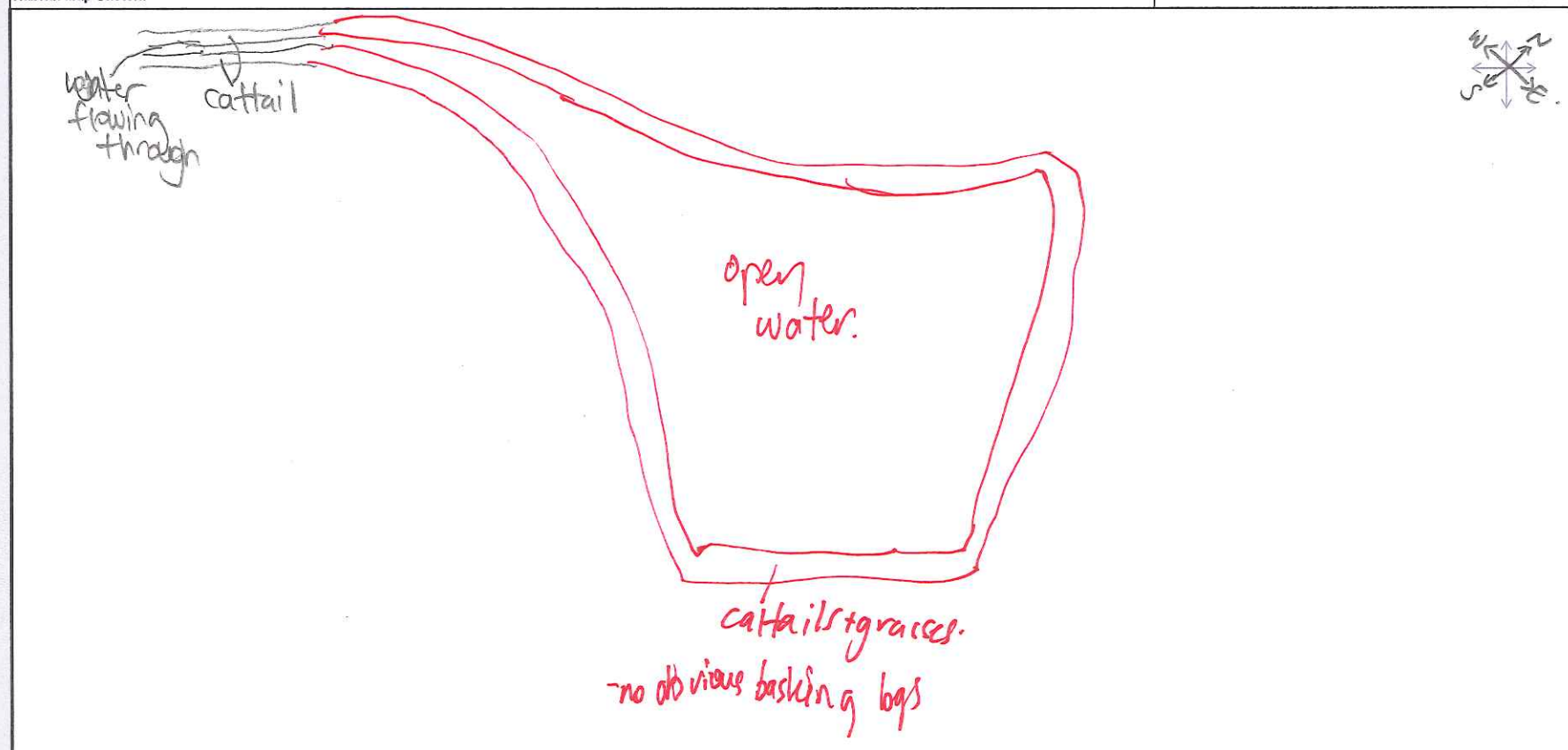
PROJECT AND SITE DATA							
Project No.: 0498		Project Title: Snell's Hollow East				Date (yy/mm/dd): 20/04/03	
Site Name: Turtle Station 3					No. of Photos: 5	Site No.: 3	Sample No.: 1/a
Crew Members (initials): Nadine Price, Stewart Gibson							
GPS DATA							
Location UTM: 59S898.87E, 4844833.76N					UTM Zone: 17T		Map Attached: <input checked="" type="checkbox"/>
WEATHER							
Start Time: 10:30am	Search Duration: 15 min	Air Temp. Start (°C): 6	Water Temp. (°C):	Wind (km/hr) (Beaufort): 3	Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50)		
End Time: 10:51		Air Temp. End (°C): 5.7	Precip (mm):	Cloud Cover (%): 50-60			
HABITAT							
Proportion of Suitable Habitat Surveyed: 90%							
Wetland Type: Open water SPA1-1 and narrow channel					Substrate: unknown		
Wetland Size (dimensions, area): 0.81 ha (area); 565 m (perimeter)					Average Water Depth: unknown		
Vegetation (check all that apply)	<input type="checkbox"/> Rush/Sedge	<input type="checkbox"/> Trees	<input type="checkbox"/> Shrub/Thicket	<input type="checkbox"/> Aquatic Submerged	<input type="checkbox"/> Reed/Phragmites		
	<input type="checkbox"/> Floating Mat	<input checked="" type="checkbox"/> Cattail	<input type="checkbox"/> Sphagnum/Peat	<input type="checkbox"/> Aquatic Emergent	<input type="checkbox"/> Other		
Terrestrial Shoreline Habitat (ELC)							
BLANDING TURTLE OBSERVATIONS							
Easting	Northing	Accuracy (m)	Time	Behavior	Age/Sex	Photo No.	Notes
<del>None</del>							
INCIDENTAL OBSERVATIONS OF OTHER SPECIES OR IMPORTANT HABITAT FEATURES							
Species/Feature	Easting	Northing	Accuracy (m)	Comments			
Midland Painted Turtle	595943	4844862	5	Basking in veg at edge of pond. (inside)			
GENERAL COMMENTS (habitat notes, invasive species, potential threats)							
Habitat shaping day but did spend some time looking for turtles.							
Incidentals							

✓ GATE  
 AMRO  
 Mallards x2  
 RTHA  
 chickadee



**PROJECT AND SITE DATA**

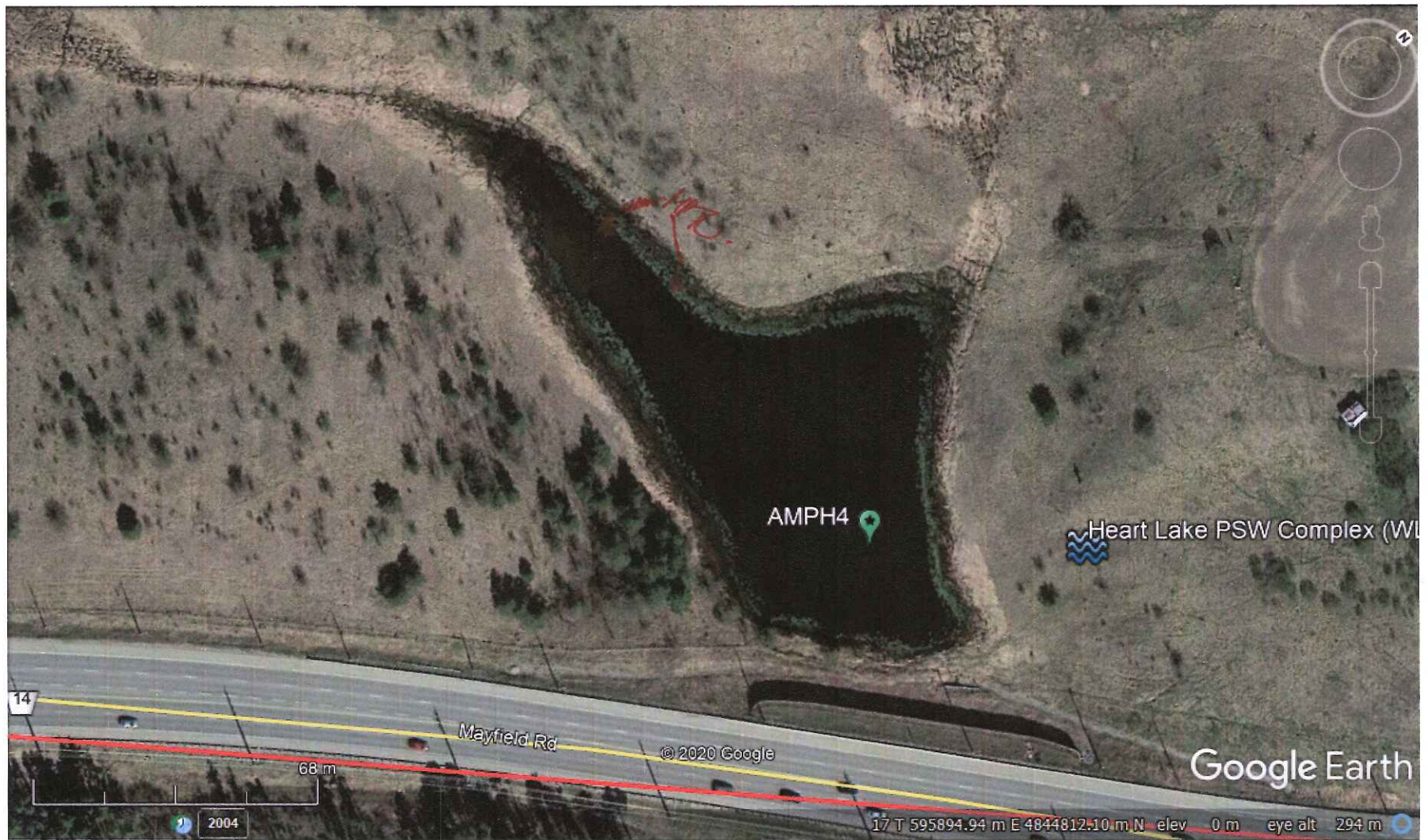
Project No.: 0499	Project Title: Shell's Hollow East	Date (YY/MM/DD): 20/04/03
Crew Members (initials): NP, JG		
Site Name: Turtle Station	Site Location: Caledon, N side of Howfield Rd, W of Heart Lake Rd	
Description of Location and Comments (con't): <del>Marsh</del> open water, <del>reed</del> catfish dominant, likely rock canopy, no canopy. - station also includes cattail dominant narrow channel that connects to open water pond.		
Habitat Map Sketch:		



Turtle survey 1<sup>st</sup> station 3

Habitat scoping day.

-Apr. 3/19.



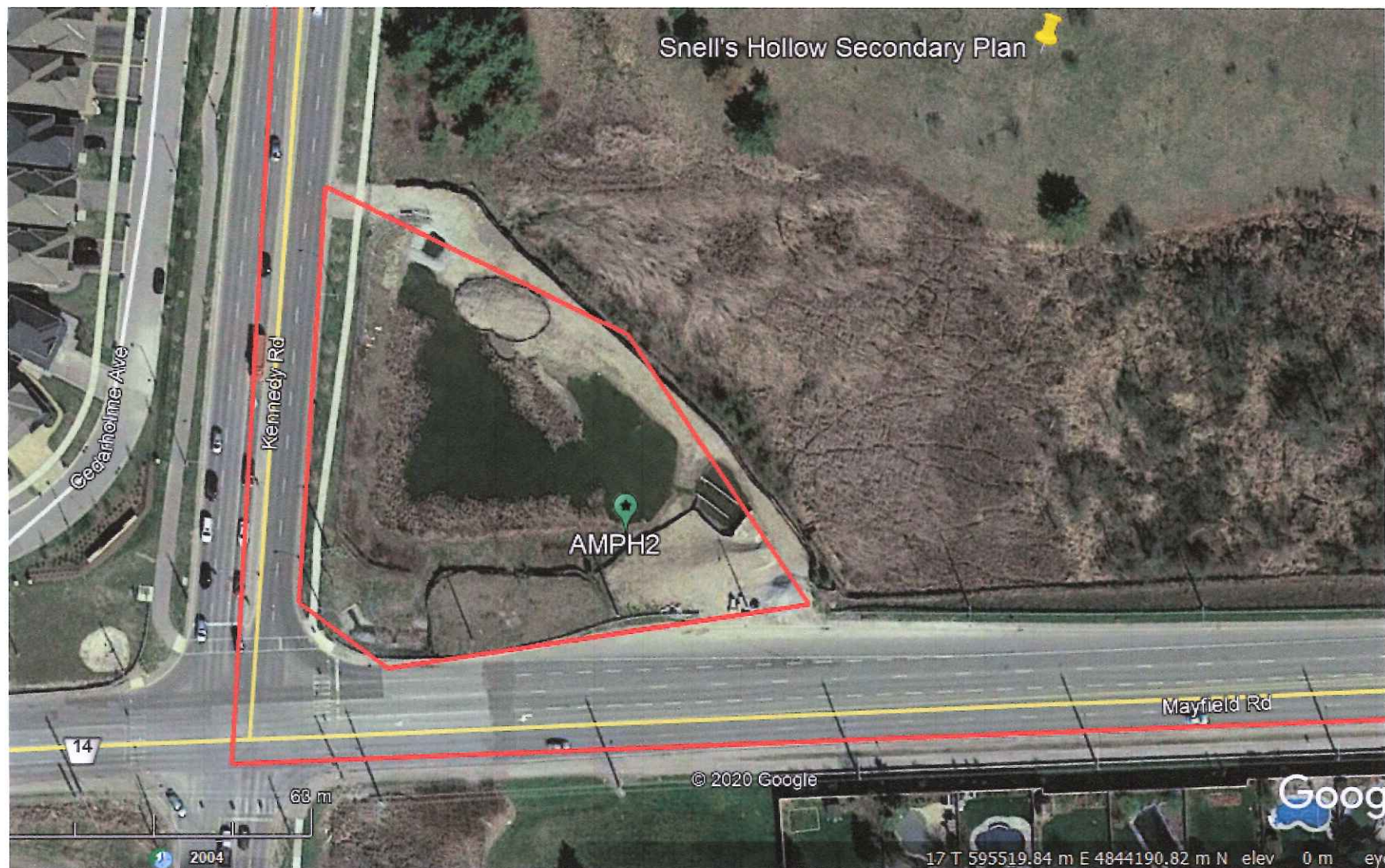


SWM pond

PROJECT AND SITE DATA							
Project No.: 043987		Project Title: Snell's Hollow East				Date (yy/mm/dd): 20/04/05	
Site Name: Turtle station 1				No. of Photos: 0	Site No.: 1	Sample No.: 1	
Crew Members (Initials): NP, SG							
GPS DATA							
Location UTM: 595451.000E, 4844130.164N				UTM Zone: 17T		Map Attached: <input checked="" type="checkbox"/>	
WEATHER							
Start Time: 12:10 pm	Search Duration: 10 min.	Air Temp. Start (°C): 14.8	Water Temp. (°C):	Wind (km/hr) (Beaufort): 8	Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50)		
End Time: 12:20 pm		Air Temp. End (°C): 14.8	Precip (mm):	Cloud Cover (%): 10			
HABITAT							
Proportion of Suitable Habitat Surveyed: 90%							
Wetland Type: SWM pond - cattail dominant.				Substrate: unknown			
Wetland Size (dimensions, area): 0.20 ha (area); 137 m (perimeter)				Average Water Depth: unknown			
Vegetation (check all that apply)	<input type="checkbox"/> Rush/Sedge	<input type="checkbox"/> Trees	<input type="checkbox"/> Shrub/Thicket	<input type="checkbox"/> Aquatic Submerged	<input type="checkbox"/> Reed/Phragmites		
	<input type="checkbox"/> Floating Mat	<input checked="" type="checkbox"/> Cattail	<input type="checkbox"/> Sphagnum/Peat	<input type="checkbox"/> Aquatic Emergent	<input type="checkbox"/> Other		
Terrestrial Shoreline Habitat (ELC)							
BLANDING TURTLE OBSERVATIONS							
Easting	Northing	Accuracy (m)	Time	Behavior	Age/Sex	Photo No.:	Notes
<del>None</del>							
INCIDENTAL OBSERVATIONS OF OTHER SPECIES OR IMPORTANT HABITAT FEATURES							
Species/Feature	Easting	Northing	Accuracy (m)	Comments			
<del>None</del>							
GENERAL COMMENTS (habitat notes, invasive species, potential threats)							
First turtle survey.							

✓ RWBL  
Madox Cc in bush by pond

Turtle survey 1, station 1 - Apr. 6/20



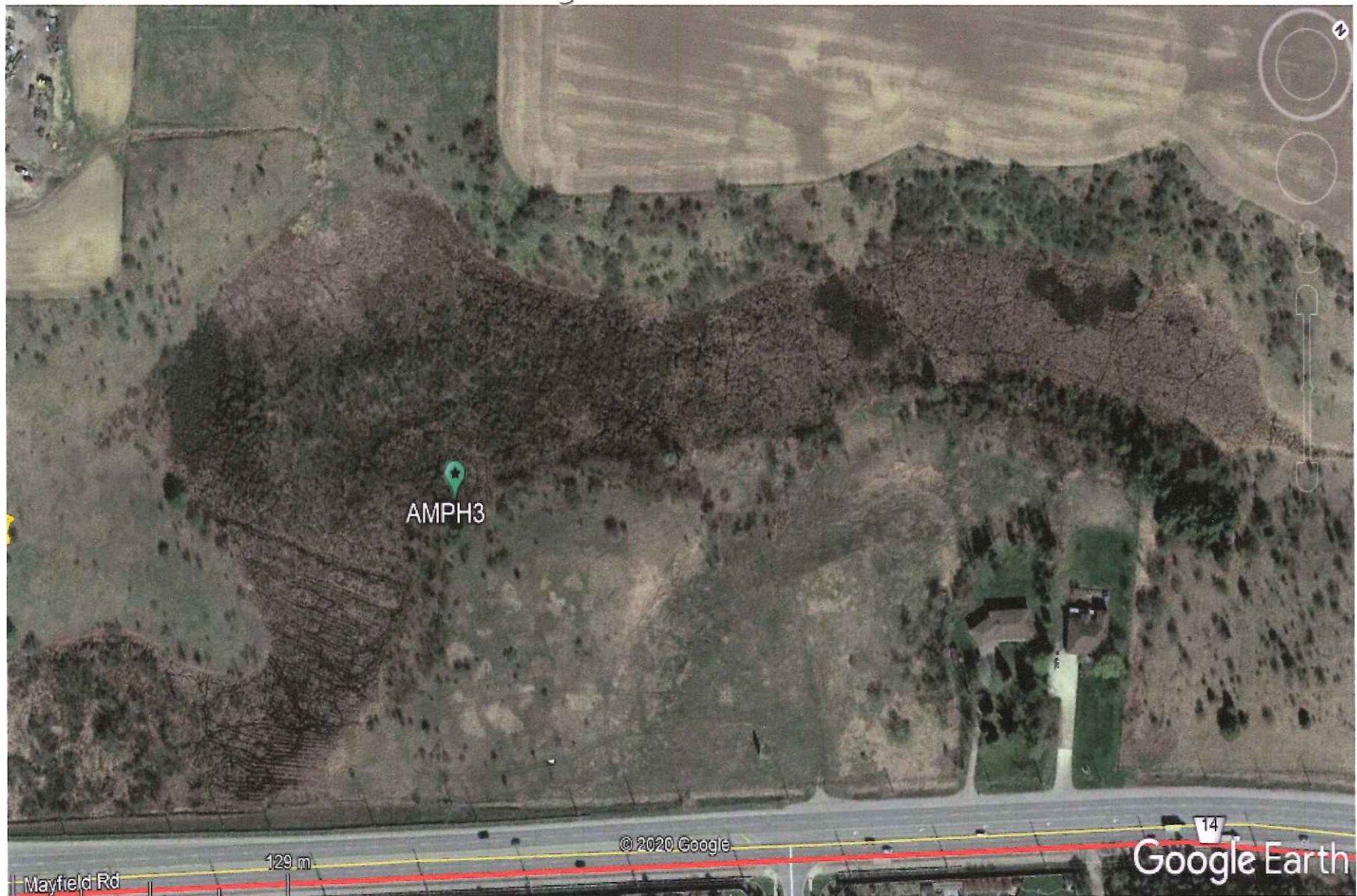


PROJECT AND SITE DATA							
Project No.: 043982		Project Title: Snell's Hollow East				Date (yy/mm/dd): 20/04/06	
Site Name: Turtle station 2					No. of Photos: 6	Site No.: 2	Sample No.: 1
Crew Members (initials): NP, SG							
GPS DATA							
Location UTM: 59S687.74E, 4844590.56N					UTM Zone: 17T	Map Attached: <input checked="" type="checkbox"/>	
WEATHER							
Start Time: 12:28	Search Duration: 23 min	Air Temp. Start (°C): 14.1	Water Temp. (°C):	Wind (km/hr) (Beaufort): 1	Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50)		
End Time: 1:01		Air Temp. End (°C): 15.5	Precip (mm):	Cloud Cover (%): 10			
HABITAT							
Proportion of Suitable Habitat Surveyed: 5-10%							
Wetland Type: Cattail marsh					Substrate: unknown		
Wetland Size (dimensions, area): 1.21 ha (area); 543 m (perimeter)					Average Water Depth: unknown		
Vegetation (check all that apply)	<input type="checkbox"/> Rush/Sedge	<input type="checkbox"/> Trees	<input type="checkbox"/> Shrub/Thicket	<input type="checkbox"/> Aquatic Submerged	<input type="checkbox"/> Reed/Phragmites		
	<input type="checkbox"/> Floating Mat	<input checked="" type="checkbox"/> Cattail	<input type="checkbox"/> Sphagnum/Peat	<input type="checkbox"/> Aquatic Emergent	<input type="checkbox"/> Other		
Terrestrial Shoreline Habitat (ELC)							
BLANDING TURTLE OBSERVATIONS							
Eastings	Northing	Accuracy (m)	Time	Behavior	Age/Sex	Photo No.:	Notes
None							
INCIDENTAL OBSERVATIONS OF OTHER SPECIES OR IMPORTANT HABITAT FEATURES							
Species/Feature	Eastings	Northing	Accuracy (m)	Comments			
None							
GENERAL COMMENTS (habitat notes, invasive species, potential threats)							
on S side: Searched SWT and narrow channel leading to open water pond at east end. Also checked N side of swamp but habitat was not good for turtles.							

✓ GBHE  
RWBL  
SOSP  
WOFR - full chorus in SWT.  
AMGO x2 - flying over.  
TUVO x2 - " "

Brown-headed cowbird - S - in bush by SWT narrow channel.

Turtle Survey 1, station 2 - Apr. 6 / 20

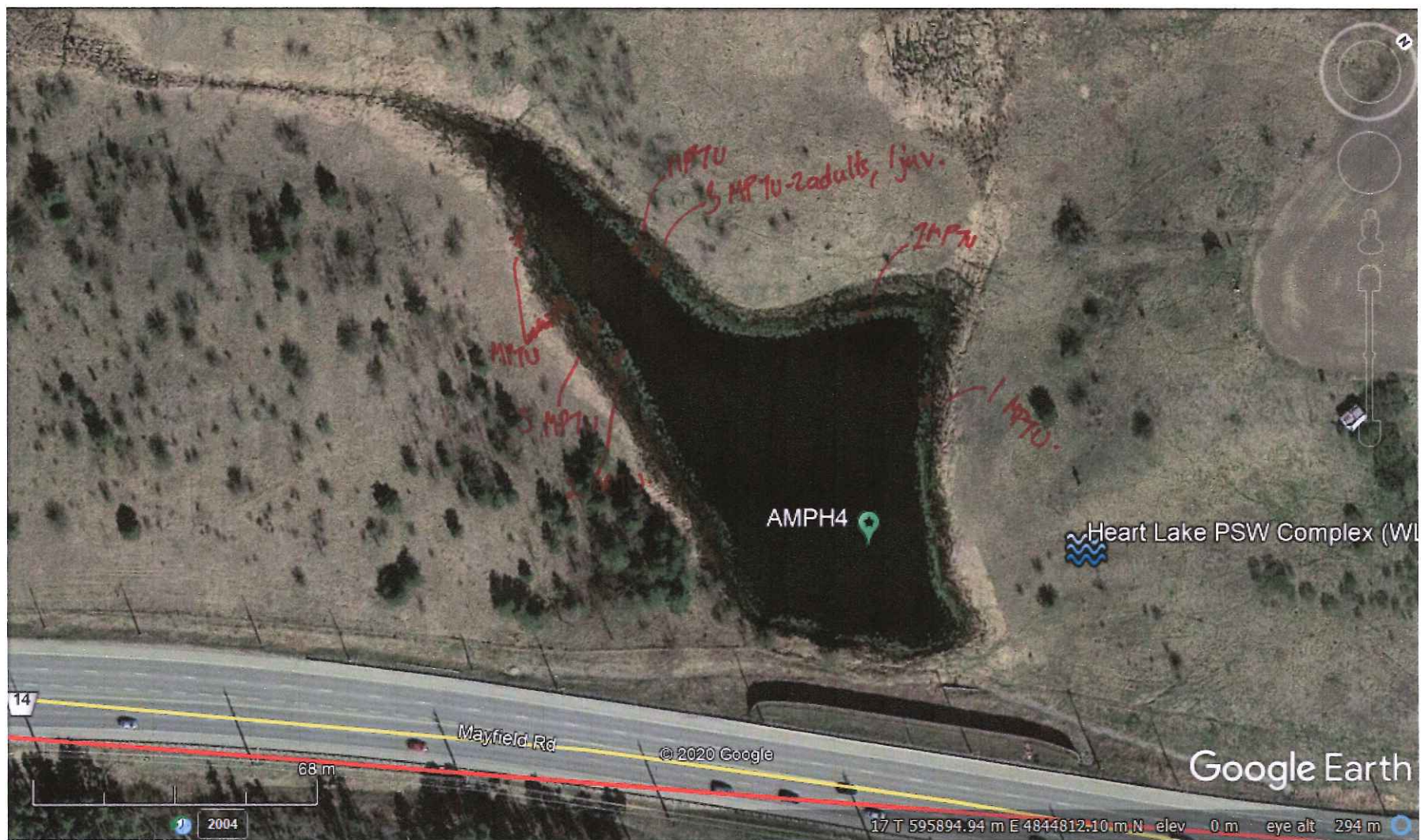




PROJECT AND SITE DATA							
Project No.: 0195		Project Title: Snell's Hollow East			Date (yy/mm/dd): 20/04/06		
Site Name: Turtle Station 3				No. of Photos: 4	Site No.: 3	Sample No.: 1	
Crew Members (initials): NP, SG							
GPS DATA							
Location UTM: 595988.87E, 4844833.76N				UTM Zone: 17T	Map Attached: <input checked="" type="checkbox"/>		
WEATHER							
Start Time: 13:02	Search Duration: 40 min.	Air Temp. Start (°C): 15.1	Water Temp. (°C): 15.1	Wind (km/hr) (Beaufort): 1	Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50)		
End Time: 13:42		Air Temp. End (°C): 14.5	Precip (mm): -	Cloud Cover (%): 10			
HABITAT							
Proportion of Suitable Habitat Surveyed: 90%							
Wetland Type: Open water SASI-1 and narrow channel - cattail marsh.				Substrate: unknown			
Wetland Size (dimensions, area): 0.81 ha (area); 565 m (perimeter)				Average Water Depth: unknown.			
Vegetation (check all that apply)	<input type="checkbox"/> Rush/Sedge	<input type="checkbox"/> Trees	<input type="checkbox"/> Shrub/Thicket	<input type="checkbox"/> Aquatic Submerged	<input type="checkbox"/> Reed/Phragmites		
	<input type="checkbox"/> Floating Mat	<input checked="" type="checkbox"/> Cattail	<input type="checkbox"/> Sphagnum/Peat	<input type="checkbox"/> Aquatic Emergent	<input type="checkbox"/> Other		
Terrestrial Shoreline Habitat (ELC)							
BLANDING TURTLE OBSERVATIONS							
Easting	Northing	Accuracy (m)	Time	Behavior	Age/Sex	Photo No.:	Notes
None							
INCIDENTAL OBSERVATIONS OF OTHER SPECIES OR IMPORTANT HABITAT FEATURES							
Species/Feature	Easting	Northing	Accuracy (m)	Comments			
Midland Painted Turtle (MPTU)	595937.36	4844860.61	5	1 adult, basking in veg.			
MPTU	"	"	"	" " " " "			
MPTU	"	"	"	1 juvenile, " " "			
MPTU	595918.56	4844838.15	"	Basking in veg.			
MPTU	595933.52	4844861.27	"	" " "			
GENERAL COMMENTS (habitat notes, invasive species, potential threats)							
MPTU	595941.80	4844841.07	"	" " "			
MPTU	"	"	"	" " "			
MPTU	"	"	"	" " "			
MPTU	"	"	"	" " "			
MPTU	"	"	"	" " "			
MPTU	595953.36	4844837.96	"	" " "			
MPTU	"	"	"	" " "			
MPTU	596006.39	4844841.88	"	" " "			
MPTU	595972.30	4844841.6	"	" " "			

GBHE  
Bl. c. ch  
Mallards = P

Turtle Survey 1, station 3 - Apr. 6/20

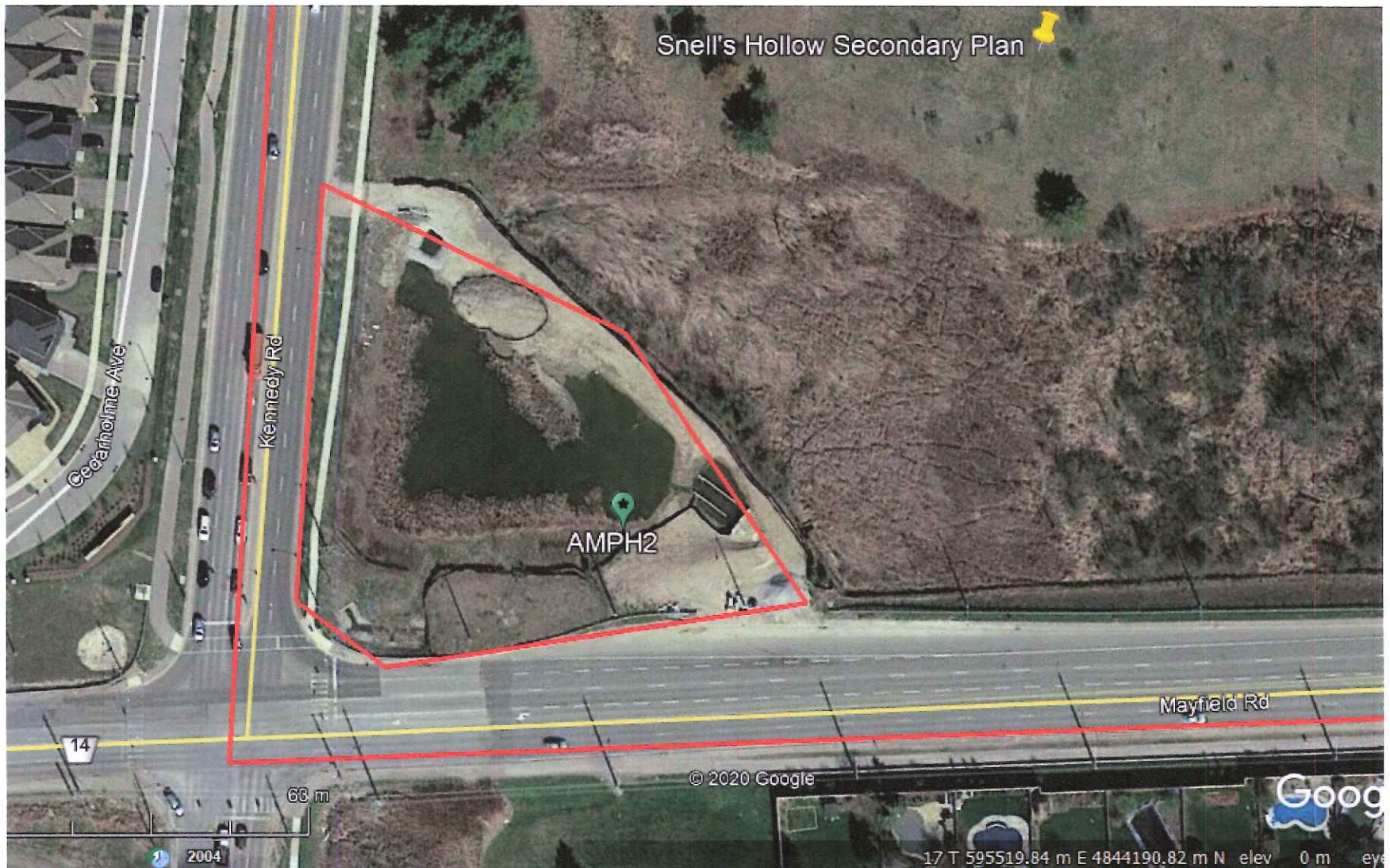




PROJECT AND SITE DATA							
Project No.: 04995		Project Title: Snell's Hollow East			Date (yy/mm/dd): 20/04/25		
Site Name: Turtle station 1				No. of Photos: 0	Site No.:	Sample No.: 2	
Crew Members (Initials): Nadine Price							
GPS DATA							
Location UTM: 595451.29E, 4844130.76N				UTM Zone: 17T		Map Attached: <input checked="" type="checkbox"/>	
WEATHER							
Start Time: 12:18	Search Duration: 10 min.	Air Temp. Start (°C): 15	Water Temp. (°C):	Wind (km/hr) (Beaufort): 2	Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50)		
End Time: 12:28		Air Temp. End (°C): 15.1	Precip (mm):	Cloud Cover (%):			
HABITAT							
Proportion of Suitable Habitat Surveyed: 90%							
Wetland Type: SWM pond w cattails dominant				Substrate: unknown			
Wetland Size (dimensions, area): 0.20 ha (area); 187 m (perimeter)				Average Water Depth: unknown			
Vegetation (check all that apply)	<input type="checkbox"/> Rush/Sedge	<input type="checkbox"/> Trees	<input type="checkbox"/> Shrub/Thicket	<input type="checkbox"/> Aquatic Submerged	<input type="checkbox"/> Reed/Phragmites		
	<input type="checkbox"/> Floating Mat	<input checked="" type="checkbox"/> Cattail	<input type="checkbox"/> Sphagnum/Peat	<input type="checkbox"/> Aquatic Emergent	<input type="checkbox"/> Other		
Terrestrial Shoreline Habitat (ELC)							
BLANDING TURTLE OBSERVATIONS							
Easting	Northing	Accuracy (m)	Time	Behavior	Age/Sex	Photo No.:	Notes
None							
INCIDENTAL OBSERVATIONS OF OTHER SPECIES OR IMPORTANT HABITAT FEATURES							
Species/Feature	Easting	Northing	Accuracy (m)	Comments			
None							
GENERAL COMMENTS (habitat notes, invasive species, potential threats)							
Incidental Wildlife							
2 CAGS							
RWBL-S							
Modo-P							
CAGL							
SOSL-S - in shrubs near pond.							
Chipping Sp. - in tree near pond							

Turtlesney-Turtle station 1

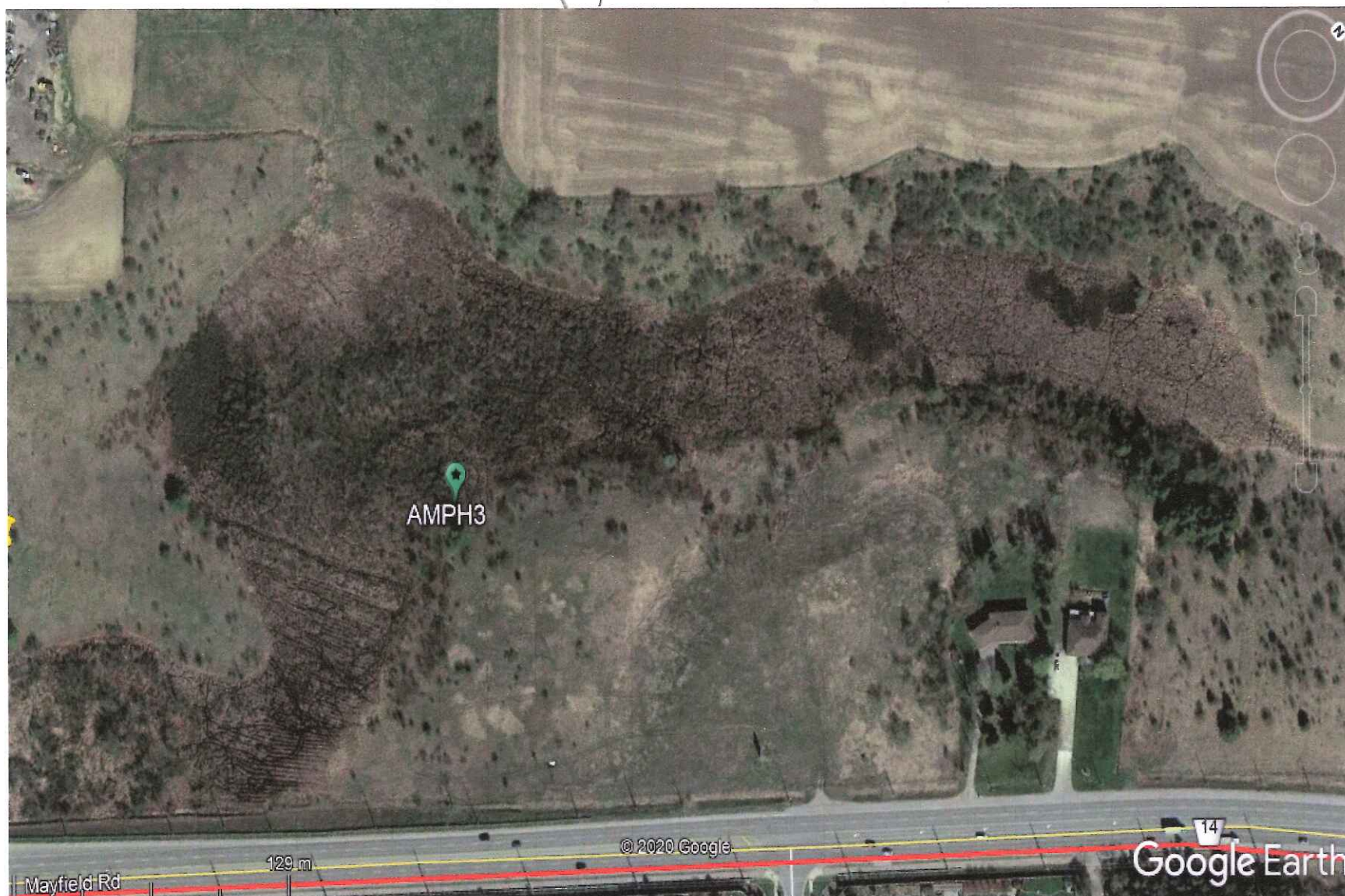
Apr. 21/20





PROJECT AND SITE DATA							
Project No.: 04950		Project Title: Snell's Hollow East				Date (yy/mm/dd): 2010/1/25	
Site Name: Turtle station 2					No. of Photos: 0	Site No.: 2	Sample No.: 2
Crew Members (initials): Nadine Price							
GPS DATA							
Location UTM: 59S687.74E, 4984459.59N					UTM Zone: 17T	Map Attached: <input checked="" type="checkbox"/>	
WEATHER							
Start Time: 12:40	Search Duration: 30 min	Air Temp. Start (°C): 17.0	Water Temp. (°C):	Wind (km/hr) (Beaufort): 2	Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50)		
End Time: 1:19 pm		Air Temp. End (°C): 15	Precip (mm):	Cloud Cover (%): 1			
HABITAT							
Proportion of Suitable Habitat Surveyed: 5-10%							
Wetland Type: Cattail marsh					Substrate: _____		
Wetland Size (dimensions, area): 1.21 ha (area); 543m (perimeter)					Average Water Depth: _____		
Vegetation (check all that apply)	<input type="checkbox"/> Rush/Sedge	<input type="checkbox"/> Trees	<input type="checkbox"/> Shrub/Thicket	<input type="checkbox"/> Aquatic Submerged	<input type="checkbox"/> Reed/Phragmites		
	<input type="checkbox"/> Floating Mat	<input checked="" type="checkbox"/> Cattail	<input type="checkbox"/> Sphagnum/Peat	<input type="checkbox"/> Aquatic Emergent	<input type="checkbox"/> Other		
Terrestrial Shoreline Habitat (ELC)							
BLANDING TURTLE OBSERVATIONS							
Easting	Northing	Accuracy (m)	Time	Behavior	Age/Sex	Photo No.:	Notes
None							
INCIDENTAL OBSERVATIONS OF OTHER SPECIES OR IMPORTANT HABITAT FEATURES							
Species/Feature		Easting	Northing	Accuracy (m)	Comments		
None							
GENERAL COMMENTS (habitat notes, invasive species, potential threats)							
Incidental Wildlife:							
Am. Goldfinch - S.							
PWB - S.							
RTH - flying over							
Wood calling - call coded ~ S ind? in swampy area							
Eastern Kingbird perched in tree by swamp							

Turtle survey 2, station 2 Apr 2020





1/2 - 2nd 264

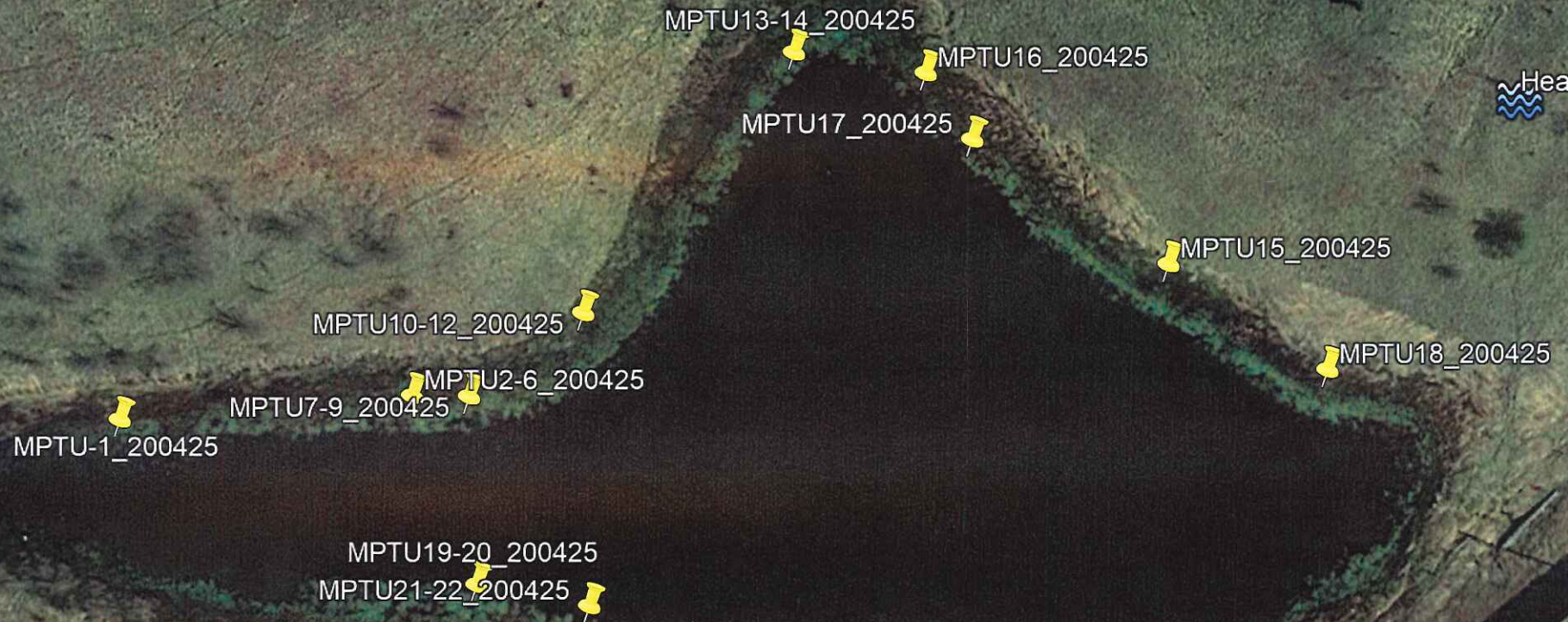


# Turtle Survey 2, Station 3 - Apr. 25, 2020

300043952.0000 Snell's Hollow East Secondary Plan

## Legend

 Midland Painted Turtle



Google Earth

© 2020 Google

60 m

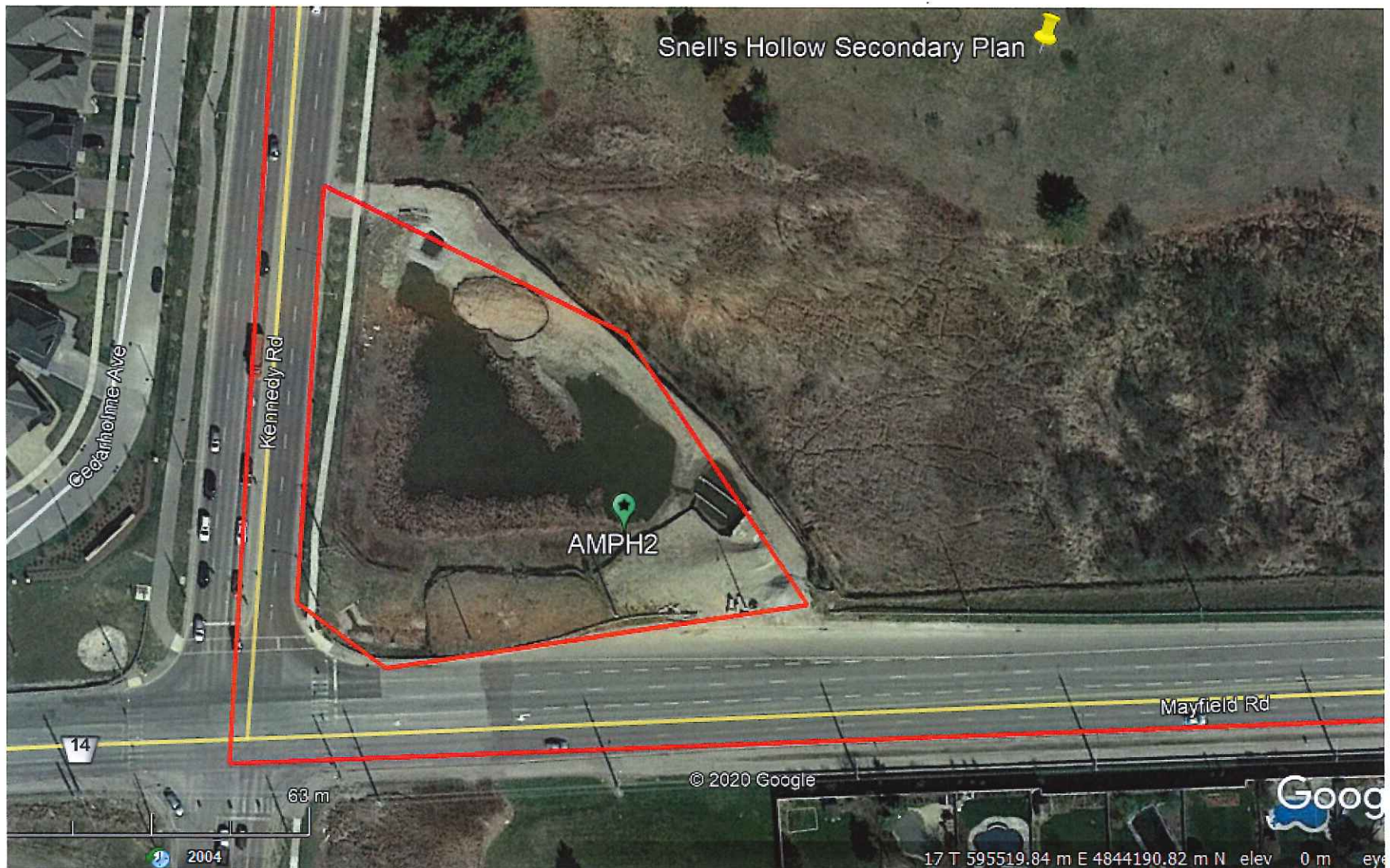


PROJECT AND SITE DATA							
Project No.: 04383 Project Title: Snell's Hollow East						Date (yy/mm/dd): 20/04/27	
Site Name: Turtle Station 1					No. of Photos: 0	Site No.:	Sample No.: 3
Crew Members (initials): NB, ME Price, Meredith Meeker							
GPS DATA							
Location UTM: 59S48S1.209E, 4884130.761					UTM Zone: 17T		Map Attached: <input checked="" type="checkbox"/>
WEATHER							
Start Time: 13:45	Search Duration: 11 min.	Air Temp. Start (°C): 15.1	Water Temp. (°C):	Wind (km/hr) (Beaufort): 1	Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face, leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50)		
End Time: 13:56		Air Temp. End (°C): 13.1	Precip (mm): 0	Cloud Cover (%): 60			
HABITAT							
Proportion of Suitable Habitat Surveyed: 90%							
Wetland Type: SWM pond w cattails dominant					Substrate: unknown		
Wetland Size (dimensions, area): 0.20 ha (area); 187 m (perimeter)					Average Water Depth: unknown		
Vegetation (check all that apply)	<input type="checkbox"/> Rush/Sedge	<input type="checkbox"/> Trees	<input type="checkbox"/> Shrub/Thicket		<input type="checkbox"/> Aquatic Submerged	<input type="checkbox"/> Reed/Phragmites	
	<input type="checkbox"/> Floating Mat	<input checked="" type="checkbox"/> Cattail	<input type="checkbox"/> Sphagnum/Peat		<input type="checkbox"/> Aquatic Emergent	<input type="checkbox"/> Other	
Terrestrial Shoreline Habitat (ELC)							
BLANDING TURTLE OBSERVATIONS							
Easting	Northing	Accuracy (m)	Time	Behavior	Age/Sex	Photo No.	Notes
<del>None</del>							
INCIDENTAL OBSERVATIONS OF OTHER SPECIES OR IMPORTANT HABITAT FEATURES							
Species/Feature	Easting	Northing	Accuracy (m)	Comments			
<del>None</del>							
GENERAL COMMENTS (habitat notes, invasive species, potential threats)							
2 adult CA 60 & 6 goslings.							



Turtle survey 3 - Station 1

Apr. 27/20.

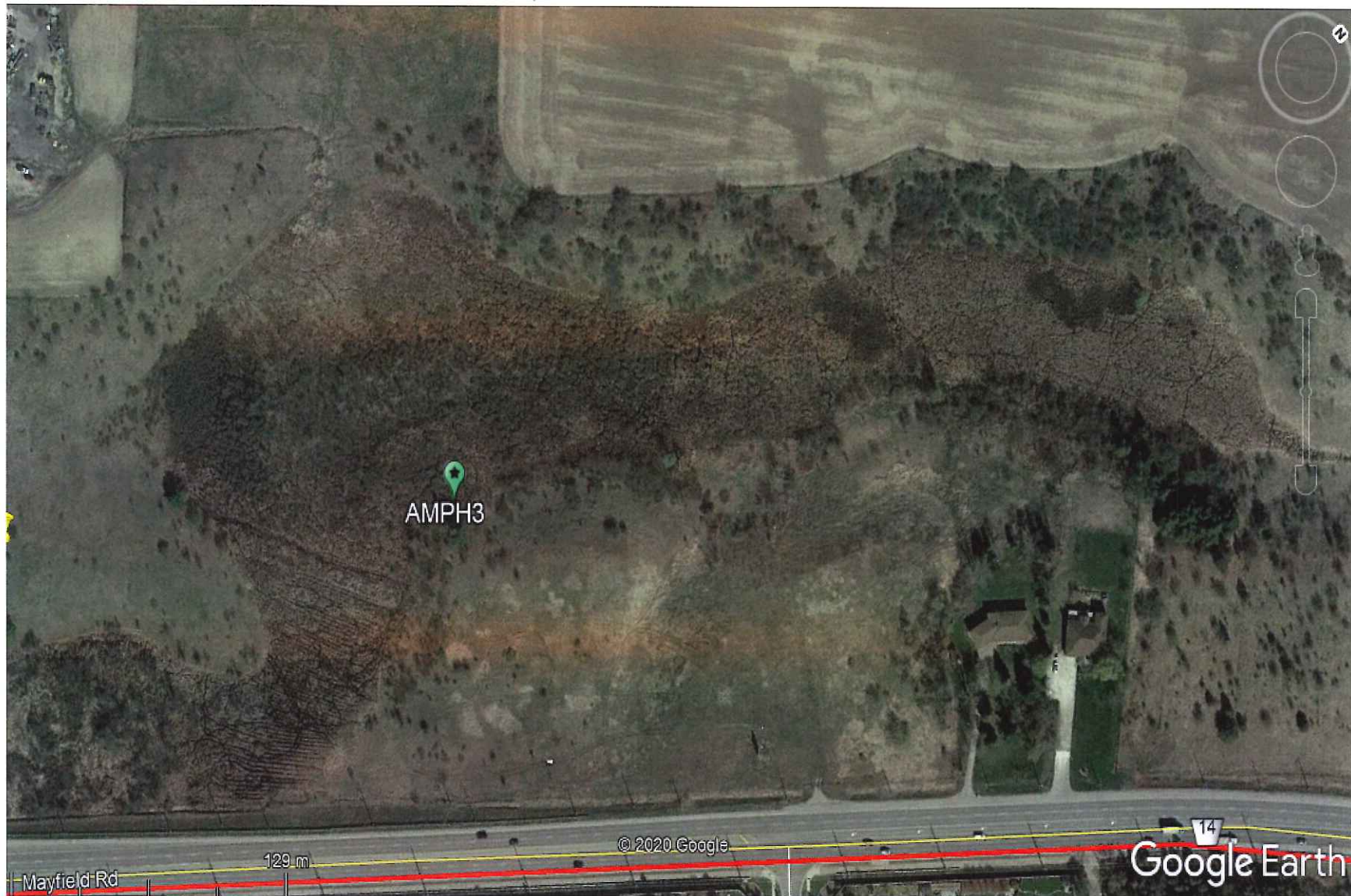




Am. warlock deserved!!  
Wbfr. calling.



Turtle survey 3 - Station 2 Apr. 27/20.





Incidental wildlife:  
N. rough-winged swallow - foraging over pond



# Turtle Survey 3, Station 3 - Apr. 27, 2020

300043952.0000 Snell's Hollow East Secondary Plan

## Legend

 Midland Painted Turtle

MPTU1-9\_200427

MPTU16-17\_200427

MPTU18\_200427

MPTU10-14\_200427

MPTU15\_200427

Google Earth

© 2020 Google



60 m




PROJECT AND SITE DATA							
Project No.: 610646		Project Title: Snell's Hollow East				Date (yy/mm/dd): 20/05/02	
Site Name: Turtle Station 1					No. of Photos: 2	Site No.: 1	Sample No.: 4
Crew Members (initials): Nadine Price, Meredith Meeker							
GPS DATA							
Location UTM: 595451.299E, 4844130.764N					UTM Zone: 17T		Map Attached: <input checked="" type="checkbox"/>
WEATHER							
Start Time: 11:55 am	Search Duration: 16 min.	Air Temp. Start (°C): 13.5	Water Temp. (°C): 13.5	Wind (km/hr) (Beaufort): 23	Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50)		
End Time: 12:41 pm		Air Temp. End (°C): 15.3	Precip (mm): 0	Cloud Cover (%): 100			
HABITAT							
Proportion of Suitable Habitat Surveyed: 90%							
Wetland Type: SWM pond w cattails dominant					Substrate: unknown		
Wetland Size (dimensions, area): 0.20 ha (area); 187 m (perimeter)					Average Water Depth: unknown		
Vegetation (check all that apply)	<input type="checkbox"/> Rush/Sedge	<input type="checkbox"/> Trees	<input type="checkbox"/> Shrub/Thicket		<input type="checkbox"/> Aquatic Submerged	<input type="checkbox"/> Reed/Phragmites	
	<input type="checkbox"/> Floating Mat	<input checked="" type="checkbox"/> Cattail	<input type="checkbox"/> Sphagnum/Peat		<input type="checkbox"/> Aquatic Emergent	<input type="checkbox"/> Other	
Terrestrial Shoreline Habitat (ELC)							
BLANDING TURTLE OBSERVATIONS							
Easting	Northing	Accuracy (m)	Time	Behavior	Age/Sex	Photo No.:	Notes
None							
INCIDENTAL OBSERVATIONS OF OTHER SPECIES OR IMPORTANT HABITAT FEATURES							
Species/Feature	Easting	Northing	Accuracy (m)	Comments			
MPTU - SWM (Midland Painted Turtle)	595480	4844165	4	Hatchling!			
GENERAL COMMENTS (habitat notes, invasive species, potential threats)							
Incidental wildlife: lulu - seen flying overhead...							



# Turtle Survey 4, Station 1 - May 2, 2020

300043952.0000 Snell's Hollow East Secondary Plan

## Legend

 Midland Painted Turtle

 MPTU-SWM\_200502

Kennedy Rd

Google Earth

© 2020 Google



50 m



PROJECT AND SITE DATA							
Project No.: 048956		Project Title: Snell's Hollow East				Date (yy/mm/dd): 20/05/02	
Site Name: Turtle station 2					No. of Photos: 0	Site No.: 2	Sample No.: 4
Crew Members (initials): Nadine Price, Meredith Meeker							
GPS DATA							
Location UTM: 595687.74E, 4844590.58N					UTM Zone: 17T		Map Attached: <input checked="" type="checkbox"/>
WEATHER							
Start Time: 12:28	Search Duration: 15 min	Air Temp. Start (°C): 16.4	Water Temp. (°C): 17.8	Wind (km/hr) (Beaufort): 2	Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face, leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50)		
End Time: 12:43		Air Temp. End (°C): 17.8	Precip (mm): 0	Cloud Cover (%): 90			
HABITAT							
Proportion of Suitable Habitat Surveyed: 5-10%							
Wetland Type: Cattail marsh					Substrate: unknown		
Wetland Size (dimensions, area): 1.21 ha (area); 543 m (perimeter)					Average Water Depth: unknown		
Vegetation (check all that apply)	<input type="checkbox"/> Rush/Sedge	<input type="checkbox"/> Trees	<input type="checkbox"/> Shrub/Thicket		<input type="checkbox"/> Aquatic Submerged	<input type="checkbox"/> Reed/Phragmites	
	<input type="checkbox"/> Floating Mat	<input checked="" type="checkbox"/> Cattail	<input type="checkbox"/> Sphagnum/Peat		<input type="checkbox"/> Aquatic Emergent	<input type="checkbox"/> Other	
Terrestrial Shoreline Habitat (ELC)							
BLANDING TURTLE OBSERVATIONS							
Easting	Northing	Accuracy (m)	Time	Behavior	Age/Sex	Photo No.:	Notes
None							
INCIDENTAL OBSERVATIONS OF OTHER SPECIES OR IMPORTANT HABITAT FEATURES							
Species/Feature		Easting	Northing	Accuracy (m)	Comments		
None							
GENERAL COMMENTS (habitat notes, invasive species, potential threats)							
Incidental wildlife:							
chipmunks x2 chasing each other							
near swamp							
Cardinal - 5							
cottontail rabbit - 1 on hill in							
field by swamp							



Turtle survey 4, station 2 May 2/20



11.15-




# Turtle Survey 4, Station 3 - May 2, 2020


300043952.0000 Snell's Hollow East Secondary Plan

## Legend


 Midland Painted Turtle

Heart Lake PSW

 MPTU7\_200502

 MPTU6\_200502

MPTU1\_200502

 MPTU2-5\_200502

Google Earth

© 2020 Google

70 m





PROJECT AND SITE DATA							
Project No.: 04392		Project Title: Snell's Hollow East				Date (yy/mm/dd): 20/05/13	
Site Name: Turtle station 1					No. of Photos: 5	Site No.: 1	Sample No.: 5
Crew Members (initials): Nadine Price, Meredith Hecker							
GPS DATA							
Location UTM: 59S451.299E, 4884130.764N					UTM Zone: 17T	Map Attached: <input checked="" type="checkbox"/>	
WEATHER							
Start Time: 11:18	Search Duration: 12 min	Air Temp. Start (°C): 11.2	Water Temp. (°C):	Wind (km/hr) (Beaufort): 1	Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50)		
End Time: 11:30		Air Temp. End (°C): 9.3	Precip (mm):	Cloud Cover (%): 20			
HABITAT							
Proportion of Suitable Habitat Surveyed: 90%							
Wetland Type: SWM pond w cattails dominant					Substrate: unknown		
Wetland Size (dimensions, area): 0.20 ha (area); 187 m (perimeter)					Average Water Depth: unknown		
Vegetation (check all that apply)	<input type="checkbox"/> Rush/Sedge	<input type="checkbox"/> Trees	<input type="checkbox"/> Shrub/Thicket	<input type="checkbox"/> Aquatic Submerged	<input type="checkbox"/> Reed/Phragmites		
	<input type="checkbox"/> Floating Mat	<input checked="" type="checkbox"/> Cattail	<input type="checkbox"/> Sphagnum/Peat	<input type="checkbox"/> Aquatic Emergent	<input type="checkbox"/> Other		
Terrestrial Shoreline Habitat (ELC)							
BLANDING TURTLE OBSERVATIONS							
Easting	Northing	Accuracy (m)	Time	Behavior	Age/Sex	Photo No.:	Notes
<del>None</del>							
INCIDENTAL OBSERVATIONS OF OTHER SPECIES OR IMPORTANT HABITAT FEATURES							
Species/Feature	Easting	Northing	Accuracy (m)	Comments			
<del>None</del>							
GENERAL COMMENTS (habitat notes, invasive species, potential threats)							
Incidental wildlife?							
Killed egg nest - GPS coordinates noted to killer bee on it. In ESH I collect and will be put into incidental wildlife list.							

Turtle Survey 5 - Turtle Station 1, May 13/20

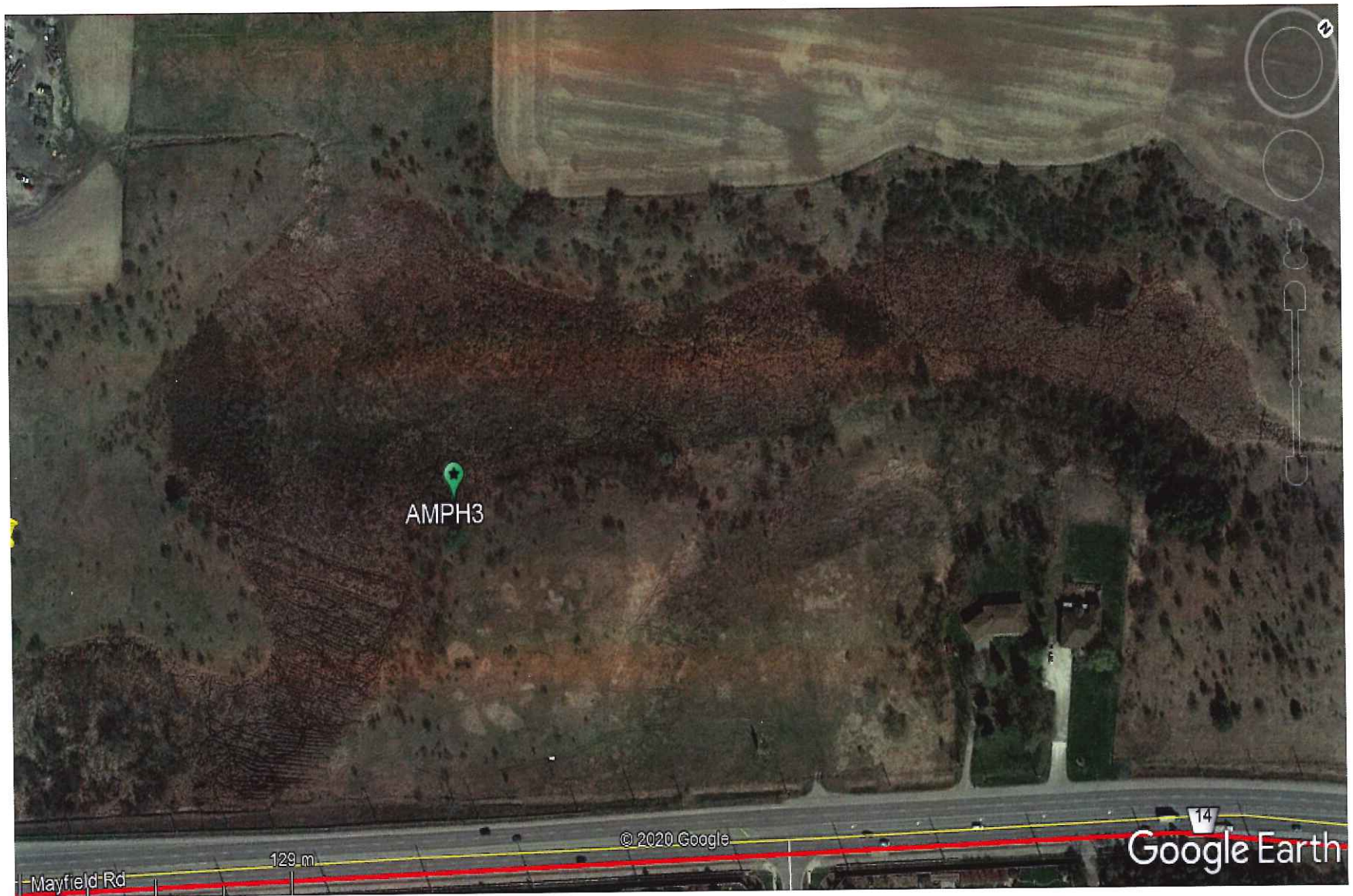




PROJECT AND SITE DATA							
Project No.: 049553		Project Title: Snell's Hollow East				Date (yy/mm/dd): 20/05/13	
Site Name: Turtle Station 2				No. of Photos: 6	Site No.: 2	Sample No.: 5	
Crew Members (initials): Nadine Price, Meredith Meeker							
GPS DATA							
Location UTM: 595687.74E, 4844590.58N				UTM Zone: 17T		Map Attached: <input checked="" type="checkbox"/>	
WEATHER							
Start Time: 11:46	Search Duration: 29 min.	Air Temp. Start (°C): 12.5	Water Temp. (°C):	Wind (km/hr) (Beaufort): 1	Beaufort Wind Scale: 0=calm, smoke rises vertically (0-2 km/hr); 1=Light air movement, smoke drifts (3-5); 2=Slight breeze, wind felt on face; leaves rustle (6-11); 3=Gentle breeze, leaves & twigs in constant motion (12-19); 4=Moderate breeze, small branches moving, raises dust & loose paper (20-30); 5=Fresh breeze, small trees begin to sway (31-39); 6=Strong breeze, large branches in motion (40-50)		
End Time: 12:15		Air Temp. End (°C): 14.0	Precip (mm): 0	Cloud Cover (%): 0			
HABITAT							
Proportion of Suitable Habitat Surveyed: 5-10%							
Wetland Type: Cattail marsh				Substrate: unknown			
Wetland Size (dimensions, area): 1.21 ha (area); 543 m (perimeter)				Average Water Depth: unknown			
Vegetation (check all that apply)	<input type="checkbox"/> Rush/Sedge	<input type="checkbox"/> Trees	<input type="checkbox"/> Shrub/Thicket	<input type="checkbox"/> Aquatic Submerged	<input type="checkbox"/> Reed/Phragmites		
	<input type="checkbox"/> Floating Mat	<input checked="" type="checkbox"/> Cattail	<input type="checkbox"/> Sphagnum/Peat	<input type="checkbox"/> Aquatic Emergent	<input type="checkbox"/> Other		
Terrestrial Shoreline Habitat (ELC)							
BLANDING TURTLE OBSERVATIONS							
Easting	Northing	Accuracy (m)	Time	Behavior	Age/Sex	Photo No.:	Notes
<del>None</del>							
INCIDENTAL OBSERVATIONS OF OTHER SPECIES OR IMPORTANT HABITAT FEATURES							
Species/Feature	Easting	Northing	Accuracy (m)	Comments			
<del>None</del>							
GENERAL COMMENTS (habitat notes, invasive species, potential threats)							
Incidental wildlife:							
Gray catbird - H							
White-throated sparrow - S							
7 Tr. Cedar waxwing in tree by swamp.							
Chipmunk in tree.							



Turtle survey 5, station 2 May 13/20



\* 1010-2 01's → GPS coordinates noted in incident report and tree list seen in meadow on airport near Kennedy Rd (west end of site)



# Turtle Survey 5, Station 3 - May 13, 2020

300043952.0000 Snell's Hollow East Secondary Plan

## Legend

 Midland Painted Turtle

MPTU1\_200513  
MPTU2-3\_200513  
MPTU4\_200513  
MPTU5-6\_200513  
MPTU7\_200513  
MPTU8\_200513

MPTU9\_200513  
MPTU10-12\_200513  
MPTU13\_200513  
MPTU14-15\_200513

Google Earth

© 2020 Google



40 m



## Turtle Nesting Survey

Project Name: <u>Snell's Hollow</u>		Survey Location: _____	
Project Number: _____		Easting: _____	
Site Surveyor: <u>HM</u>		Northing: _____	
Second Surveyor: <u>MM</u>		_____	
Date: <u>June 03</u>			
Air Temp (°C):	Start: <u>17:15</u>	Survey Time	Start: <u>17:15</u>
	End: <u>18:20</u>	(24 hour)	End: <u>17:55</u>
Search Duration: <u>130/60 min</u>	Wetland Name: <u>Open - HLWC</u>	Cloud Cover <sup>1</sup> : <u>10</u>	Wind Scale <sup>2</sup> : <u>3</u>
		Precipitation: <u>0</u>	

### Turtle Observations

UTM (Easting/Northing)	Time (24 hr)	Common Name	Count	Behaviour	Notes/Comments
Open Water Pond		MPT	10 +	in water / basking	no nesting evidence observed

GPS coordinates, including accuracy: If multiple individuals of the same species are observed and are more than ten m from each other, separate GPS coordinates should be submitted for each individual. If the GPS location is taken from a shoreline and not the location of the turtle, include additional information to allow the point to be mapped accurately (e.g., turtle was 20 m NW of GPS location)

### Incidental Observations of Other Species or Important Habitat Features

Name of Feature/Species	Count	Notes/Comments
Gray tree Frog	3	call level 1
wood duck	1	female flying low to SWD
mallard	1	kill site
Musk Rat Den?	2	entry → exit?

#### <sup>1</sup> NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze

5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

#### <sup>2</sup> Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)

4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)

Gray Fish burrows 5+  
 Green Frog 1

@ SWM Pond





BURNSIDE

## Turtle Nesting Survey

Project Name:	Snell's Hollow CEISMP		Survey Location	Start at SWM	
Project Number:			Easting:		
Site Surveyor:	MM		Northing:		
Second Surveyor:					
Date:	June 11, 2020				
Air Temp (°C):	Start: 24.2°C	Survey Time	Start: 17:22	Cloud Cover <sup>1</sup> :	15
	End: 21.45	(24 hour)	End: 20:03	Wind Scale <sup>2</sup> :	2
Search Duration:			Wetland Name:	Heart Lake	
				Precipitation:	0
				20mm overnight	

### Turtle Observations

UTM (Easting/Northing)	Time (24 hr)	Common Name	Count	Behaviour	Notes/Comments
43-7445 7124 -7A.3 1465543	17:29	Midland Painted	1		Soft soil/bone under, no scraping
		"	1	Swimming YOY	areas of Freshly
culvert	17:58	"	4	basking	Scraped ground
in front of hill	18:06	"	4	basking	
			2	basking	near outlet

GPS coordinates, including accuracy: If multiple individuals of the same species are observed and are more than ten m from each other, separate GPS coordinates should be submitted for each individual. If the GPS location is taken from a shoreline and not the location of the turtle, include additional information to allow the point to be mapped accurately (e.g., turtle was 20 m NW of GPS location)

### Incidental Observations of Other Species or Important Habitat Features

Name of Feature/Species	Count	Notes/Comments
Green Frog	1	calling
More Crayfish burrows	4	channel leading to western marsh

#### <sup>1</sup> NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
1 = partly cloudy (scattered or broken) or variable  
2 = cloudy or overcast  
3 = sandstorm, duststorm or blowing snow  
4 = fog, smoke, thick dust, or haze

5 = drizzle or light rain  
6 = rain  
7 = snow or snow/rain mix  
8 = showers  
9 = thunderstorms

#### <sup>2</sup> Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
1 = Light air movement, smoke drifts (3-5)  
2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
3 = Gentle breeze, leaves & twigs in constant motion (12-19)

4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30)  
5 = Fresh breeze, small trees begin to sway (31-39)  
6 = Strong breeze, large branches in motion (40-50)



## Turtle Nesting Survey

Project Name:	Snell's Hollow CEISMP		Survey Location	
Project Number:			Easting:	
Site Surveyor:	MDH, NP		Northing:	
Second Surveyor:				
Date:	JUN 12, 2020		Cloud Cover <sup>1</sup> :	70
Air Temp (°C):	Start: 16.3	Survey Time Start: 8:24	Wind Scale <sup>2</sup> :	4
	End: 16.7	(24 hour) End: 10:37	Precipitation:	0
Search Duration:			Wetland Name:	

## Turtle Observations

UTM (Easting/Northing)	Time (24 hr)	Common Name	Count	Behaviour	Notes/Comments
	9:46	MPTC	2	basking	bar-colvert

GPS coordinates, including accuracy: If multiple individuals of the same species are observed and are more than ten m from each other, separate GPS coordinates should be submitted for each individual. If the GPS location is taken from a shoreline and not the location of the turtle, include additional information to allow the point to be mapped accurately (e.g., turtle was 20 m NW of GPS location)

## Incidental Observations of Other Species or Important Habitat Features

Name of Feature/Species	Count	Notes/Comments

<sup>1</sup>NAAMP/Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze

5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

<sup>2</sup>Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)

4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)



### Turtle Nesting Survey

Project Name: <u>Snell's Hollow CEISMP</u>		Survey Location	
Project Number: _____		Easting: _____	
Site Surveyor: <u>MM</u>		Northing: _____	
Second Surveyor: <u>NP</u>			
Date: <u>June 17, 2020</u>			
Air Temp (°C):	Start: <u>32.0</u>	Survey Time	Start: <u>18:27</u>
	End: <u>23.3</u>	(24 hour)	End: <u>20:57</u>
Search Duration: _____	Wetland Name: _____	Cloud Cover <sup>1</sup> : <u>0</u>	Wind Scale <sup>2</sup> : <u>0</u>
		Precipitation: <u>0</u>	

### Turtle Observations

UTM (Easting/Northing)	Time (24 hr)	Common Name	Count	Behaviour	Notes/Comments
	<u>19:42</u>	<u>MPTV</u>	<u>7</u>	<u>in water</u>	

GPS coordinates, including accuracy: If multiple individuals of the same species are observed and are more than ten m from each other, separate GPS coordinates should be submitted for each individual. If the GPS location is taken from a shoreline and not the location of the turtle, include additional information to allow the point to be mapped accurately (e.g., turtle was 20 m NW of GPS location)

### Incidental Observations of Other Species or Important Habitat Features

Name of Feature/Species	Count	Notes/Comments
<u>Monarch</u>		
<u>Robin Feeding Fledgling</u>		

#### <sup>1</sup>NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze

5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

#### <sup>2</sup> Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)

4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)



# BURNSIDE

## Turtle Nesting Survey

Project Name: \_\_\_\_\_  
 Project Number: \_\_\_\_\_  
 Site Surveyor: \_\_\_\_\_  
 Second Surveyor: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Air Temp (°C): \_\_\_\_\_  
 Search Duration: \_\_\_\_\_  
 Survey Location: \_\_\_\_\_  
 Easting: \_\_\_\_\_  
 Northing: \_\_\_\_\_  
 Cloud Cover<sup>1</sup>: \_\_\_\_\_  
 Wind Scale<sup>2</sup>: \_\_\_\_\_  
 Precipitation: \_\_\_\_\_  
 Start: \_\_\_\_\_ Survey Time Start: \_\_\_\_\_  
 End: \_\_\_\_\_ (24 hour) End: \_\_\_\_\_  
 Wetland Name: \_\_\_\_\_

### Turtle Observations

UTM (Easting/Northing)	Time (24 hr)	Common Name	Count	Behaviour	Notes/Comments
43.7504119 -79.809557	2:04	unknown	1		multiple shell fragment

GPS coordinates, including accuracy: If multiple individuals of the same species are observed and are more than ten m from each other, separate GPS coordinates should be submitted for each individual. If the GPS location is taken from a shoreline and not the location of the turtle, include additional information to allow the point to be mapped accurately (e.g., turtle was 20 m NW of GPS location)

### Incidental Observations of Other Species or Important Habitat Features

Name of Feature/Species	Count	Notes/Comments

#### <sup>1</sup> NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze

5 = drizzle or light rain

6 = rain

7 = snow or snow/rain mix

8 = showers

9 = thunderstorms

#### <sup>2</sup> Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)

1 = Light air movement, smoke drifts (3-5)

2 = Slight breeze, wind felt on face; leaves rustle (6-11)

3 = Gentle breeze, leaves & twigs in constant motion (12-19)

4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);

5 = Fresh breeze, small trees begin to sway (31-39)

6 = Strong breeze, large branches in motion (40-50)

### Turtle Nesting Survey

Project Name: <u>Snells Hollow</u>		Survey Location	
Project Number: _____		Easting: _____	
Site Surveyor: <u>MM</u>		Northing: _____	
Second Surveyor: _____			
Date: <u>June 30, 2020</u>			
Air Temp (°C):	Start: <u>31.2</u>	Survey Time	Start: <u>18:17</u>
	End: <u>27.8</u>	(24 hour)	End: <u>20:30</u>
Search Duration: _____	Wetland Name: _____	Cloud Cover <sup>1</sup> : <u>30</u>	Wind Scale <sup>2</sup> : _____
		Precipitation: <u>0</u>	

#### Turtle Observations

UTM (Easting/Northing)	Time (24 hr)	Common Name	Count	Behaviour	Notes/Comments
43.7502170 -79.8095575	19:35	MPTU	6 shells		empty nest -> successful?
43.7501 -79.8100	19:37	MPTU	shell present		an empty nest
43.7499 -79.8098	19:39	MPTU	shells present		empty nest
large pond	19:45	SNTU	1	head poking above pond	

GPS coordinates, including accuracy: If multiple individuals of the same species are observed and are more than ten m from each other, separate GPS coordinates should be submitted for each individual. If the GPS location is taken from a shoreline and not the location of the turtle, include additional information to allow the point to be mapped accurately (e.g., turtle was 20 m NW of GPS location)

#### Incidental Observations of Other Species or Important Habitat Features

Name of Feature/Species	Count	Notes/Comments
raccoon road kill	1	
Frog road kill	1	
		Other potential nest sites - scrapings not definitive

##### <sup>1</sup>NAAMP/ Beaufort Sky Codes

0 = clear (no cloud cover)  
 1 = partly cloudy (scattered or broken) or variable  
 2 = cloudy or overcast  
 3 = sandstorm, duststorm or blowing snow  
 4 = fog, smoke, thick dust, or haze

5 = drizzle or light rain  
 6 = rain  
 7 = snow or snow/rain mix  
 8 = showers  
 9 = thunderstorms

##### <sup>2</sup> Beaufort Wind Scale

0 = calm, smoke rises vertically (0-2km/hr)  
 1 = Light air movement, smoke drifts (3-5)  
 2 = Slight breeze, wind felt on face; leaves rustle (6-11)  
 3 = Gentle breeze, leaves & twigs in constant motion (12-19)

4 = Moderate breeze, small branches moving, raises dust & loose paper (20-30);  
 5 = Fresh breeze, small trees begin to sway (31-39)  
 6 = Strong breeze, large branches in motion (40-50)