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Stantec Consulting Ltd. 1 – 70 Southgate Drive Gueiph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493

## Roadside ELC, Woodland & Wildlife Habitat Assessment Form

Stantec							
Project Number:	16095026	1	Project Name:	URWC			
Date:	Jue 22,	2012	Field Personnel:	ersonnel: C. Pauxite			
	•			U =			
	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs)		
ather Conditions:	22	3	30%	hone	rain		

#### POLYGON DESCRIPTION

		TOPOGRAPHIC F	EATURE	HISTORY
ELC	POLYGON:	DRIVERINE BOTTOMLAND	☐ CREVICE / CAVE ☐ ALVAR	□ NATURAL □ CULTURAL
COMMUNITY	END TIME:	UVALLEY SLOPE	☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	

#### **ITAND DESCRIPTION:**

	LAYER	нт	CVR	SPECIES IN ORDER OF DECREASING DOMINANCE (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO)								
1	CANOPY			Blackwal	Black-alnut >> Sugarnaple							
2	SUB-CANOPY					0 , 1						
3	UNDERSTOREY											
4	GRD. LAYER											
	IT CODES:     1=>25m     2=10 <ht≤25m< td="">     3=2<ht≤10m< td="">     4=1<ht≤2m< td="">     5=0.5<ht≤1m< td="">     6=0.2<ht≤0.5m< td="">     7=HT&lt;0.2m       VR CODES:     0=NONE     1=0%<cvr≤10%< td="">     2=10<cvr≤25%< td="">     3=25<cvr≤60%< td="">     4=CVR&gt;60%     N/O=not observed</cvr≤60%<></cvr≤25%<></cvr≤10%<></ht≤0.5m<></ht≤1m<></ht≤2m<></ht≤10m<></ht≤25m<>											
iΤ	ANDING SNAGS:	NIO	9	<10	10 – 24	25 – 50	>50					
В	INDANCE CODES:		N	I=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N	/O=Not observed					
iT.	AND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH					
Æ	GETATION TYPE:	Black	سم	mut		CODE:						
	COMPLE	X				CODE:						

#### Evidence of Disturbance / Notes:

residences Found and oil ong Front of FOD connot see any of the ground cover.

photo 37. behind res.

BUNDANCE CODES: N=NONE R=RARE O=		LA	YER		DISTANCE	FROM RD.	TO SERVE	
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL	
EES:							旗腱	
blackmalnut	A-D							
igas maple	R							
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						-		

Signature:

(Project Manager)

Signature:

(Field Personnel)

ELC Polygon: #	Asses	sment Type: □	I-Visual; n	o access / C	]-Walk throւ	igh feature			
Extent of Physical Inv	estigation/	of Feature:	I-Entire / C	I-Partial, wa	ilk through p	oolygon (inc	dicate on map)		
Reptile / Bat Hibernacula Features:			I-Y* / □-N i.e. features to ridge abutmotiontains potentials. I-Y* / □-N	/ □-Unknov hat would pro ents or culvert tential bat h / □-Unknov	vide a route u s with cracks/ i <b>bernacula 1</b>	ss (*if yes, onderground, inderground, inderground, inderground, inderground, inderground, inderground, index inde	describe in table including buried o	oncrete vices or i	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBER	NACULA I	FEATURE(S) I	DENTIFIE	D					
UTM		F	eature Des	cription		Photo No.	Spp. O	bserve	d Using Feature
Bat Roosting Feat	ures:	Contains pot □-Y* / □-N /	□-Unknov	vn, no acce	ss (*if yes, d				
POTENTIAL BAT RO	OSTING				gs, DBH >25	5cm, side-fa	acing cavities ~	10m hi	gh in tree]
UTM	Tree ID	Tree Spp.		Photo No.	Decay Cl	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
							- L-11 - MANAGEM		
Stick Nests:		C	Contains la	rge stick ne	sts?	ss (*if vas	describe in tabl	e helov	v)
STICK NEST(S) IDE	TIFIED		2 1 / 4 11	7 G OTIKITO	in, no acce	33 ( 11 yes, 1	describe in tabl	e belov	
UTM		Tree ID	Tree	Spp.	Nest Size	Photo No	. Spp. C	Observe	d Using Feature
Seeps/Springs/Vei	rnal Pool				/vernal pool		describe in tabl	e belov	v)
SEEP / SPRING / VEF	RNAL POO					( ,,			
UTM	Fea	ture No. & Typ	Featur (Diam	1 00	ater Depth	Photo No.	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
SPECIES & HABITA	T OBSERV	ATIONS (list s	pecies and	type of obse	rvation & in	dicate on m	nap)	Ц	
	,		3000	,					
CA=carcass; DP=distmet	ive parts: FE	=ieeuing evidenc	e; rY=eggs	mest: HO=ho	use/den; OB=	observed: SC	=scat; SI=other s	ıgn; TK-	track: VO=vocalization

7

Stantec Consulting Ltd. 1 - 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493

HT CVR

## Roadside ELC, Woodland & Wildlife Habitat **Assessment Form**

Stantec				18:	- 1
Project Number:	16,950269		Project Name:	NRWC	
Date:	June 22,	2012	Field Personnel:	C.Payett	<u> </u>
ather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs

#### **POLYGON DESCRIPTION**

SPECIES IN ORDER OF DECREASING DOMINANCE

	TOPOGRAPHIC	EATURE	HISTORY
COMMUNITY DESCRIPTION & END TIME:	D RIVERINE D BOTTOMLAND D TERRACE D VALLEY SLOPE D TABLELAND	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	O NATURAL

## **STAND DESCRIPTION:** LAYER

	LAYER	HT	CVR	VR (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO)							
1	CANOPY						[[29]]		1 2		
2	SUB-CANOPY						III E				
3	UNDERSTOREY										- 311
4	GRD. LAYER			Reed	COUNCH	0110	20 (can	De	nred>	milk	med
:VI	CODES: R CODES: ANDING SNAGS:	0=NONE	1=0%		)% <b>2=</b> 10 <c< th=""><th></th><th>1<ht≲2m 5≠0.<br="">5% 3=25<cvr≤< th=""><th></th><th></th><th></th><th></th></cvr≤<></ht≲2m></th></c<>		1 <ht≲2m 5≠0.<br="">5% 3=25<cvr≤< th=""><th></th><th></th><th></th><th></th></cvr≤<></ht≲2m>				
	INDANCE CODES:	w	11	I=NONE	R=RARE		OCCASIONAL	A=A	BUNDANT	N/O=N	ot observed
ST	AND MATURITY:	PIONEER	?	YOU	NG		MID-AGE	V	ATURE		OLD GROWTH
/E	GETATION TYPE:	Reed	cano	N ABI	eada	J V	Acron	CODI		125	
	COMPL	EX		7				CODI	E:	- 11	
							3-1				

Evidence of Disturbance / Notes:

extends 2-3m on either side of Drain (dry) Photo 38.

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER ARIUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ARIUNDANT D=DOMINANT N/O=Not observed

ABUNDANCE CODES: N=NONE R=RARE   SPECIES CODE		LAYER			DISTANC	COLL.	
SPECIES CODE	1	1 2 3			≤5 m	>5 m	COLL
REES:							76
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gadenrod,				/1	<u> </u>		
heed canary graps golden rod, milkweed (common) te apel Philadelphia Florbane				0			
Teripe		= 19		R-O			
Philadelphia Flanbane			ļ	R-0	2		<del> </del>
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			L		38. 1		

		Quality Control: This form is complete   & legible   .	
Signature:		Signature:	
3 7 7	(Field Personnel)	(Project Manager)	

ELC Polygon: #	Asses	sment Type: □-\	/isual; no	o access / 🗆	I-Walk throu	igh feature				
Extent of Physical In	vestigation	of Feature: 🔾-E	Entire / 🗆	I-Partial, wa	lk through p	olygon (inc	dicate on map)			
Reptile / Bat Hibernacula Features:			Contains potential reptile hibernacula features?  -Y*/-N/-U-Unknown, no access (*if yes, describe in table below)  [i.e. features that would provide a route underground, including buried concrete or rock (e.g. foundation bridge abutments or culverts with cracks/entry points, exposed rock crevices or inactive animal burrows  Contains potential bat hibernacula features?  -Y*/-N/-U-N/-Unknown, no access (*if yes, describe in table below)  [i.e. karst topography, abandoned mines or caves]							
POTENTIAL HIBER	RNACULA I				ioned mines c	n caves;				
UTM			Feature Description				Photo No. Spp. Observed I		Using Feature	
							4190			
Bat Roosting Fea	tures:	Contains poten -Y*/ -N/ - [i.e. tall trees w	-Unknov	vn, no acces	s (*if yes, d	<i>lescribe in t</i> 5cm, side-fa	table below) acing cavities ~	10m hig	nh in tree]	
POTENTIAL BAT R		<del></del>			7 1 1					
UTM	Tree ID	Tree Spp.	DBH	Photo No.	Decay Cl	ass (1-5)	No. of Cavities	Height	and Type of Cavities	
Stick Nests:		Coi	ntains lai Y* / □-N	rge stick nes / □-Unknov	its? /n, no acces	ss (*if yes,	describe in tabl	e below	) [ [ ]	
STICK NEST(S) IDE UTM	NTIFIED	Tree ID	Tues	- C	Nest Size	DL 4- N	<u> </u>	\ <u>\</u>		
U I M		Tree ID	Tree Spp. Nes			Photo No	5pp. C	Spp. Observed Using Feature		
Seeps/Springs/Ve		<u> </u>	/* / Q-N		vernal pool vn, no acces	s? ss (*if yes,	describe in tabl	e below	)	
SEEP / SPRING / VE UTM		ture No. & Type	Footure Siz		ater Depth	Photo No.	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?	
SPECIES & HABITA	T ORSERV	ATIONS (list spe	cies and	type of obser	ryation & in	dicate on m	ian)			
			1"37		(1 (3))	1 1 2:		,,,,		



NRWC roadside ELC Figures 1-6. Wark ups
Which roadside ELC
Thirty Rd. complete.
Mountainview rd complete
Ture 22, 2012
C. Payette

The second second
Stantec

Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050

#### Stantec Consulting Ltd. Coll. Tile 7; Roadside ELC, **Woodland & Wildlife Habitat Assessment Form** Fax: (519) 836-2493

Stai	ILL
Project	Numbo

Project Number

mber:	160	9502	69	Project Name: NRWC FLC
Date:	2C	June	2012	Field Personnel: A. Ducharme

LL June	2012	riciu reisonnei.	H. Duchoum	<u>re</u>
		····	p	
TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs
20	5 kph	none	none	none

#### **POLYGON DESCRIPTION**

		TOPOGRAPHIC FEATURE	HISTORY
ELC	POLYGON:	□ LACUSTRINE □ TALUS □ RIVERINE □ CREVICE / CAVE □ BOTTOMLAND □ ALVAR	□ NATURAL E CULTURAL
COMMUNITY	START TIME: 8:30	☐ TERRACE ☐ ROCKLAND ☐ VALLEY SLOPE ☐ BEACH / BAR	002701012
DESCRIPTION & CLASSIFICATION	end time: 9:20	☐ TABLELAND ☐ SAND DUNE ☐ ROLL. UPLAND ☐ BLUFF ☐ CLIFF	

#### STAND DESCRIPTION:

	LAYER	нт	CVR	SPECIES IN ORDER OF DECREASING DOMINANCE (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO)
1	CANOPY	13	l	SALNIGR
2	SUB-CANOPY	4		SALIX SDI >> CRASUCC
3	UNDERSTOREY	5	3	TYPLATI = DIPFULL
4	GRD. LAYER	6-7	4	grasses >> SOLCANA > ASCSTRI
HT	CODES:	1=>25m	2=10 <f< th=""><th>ITs25m 3=2<ht<10m 4="1&lt;HT&lt;2m" 5="0.5&lt;HT&lt;1m" 6="0.2&lt;HT&lt;0.5m" 7="HT&lt;0.2m&lt;/th"></ht<10m></th></f<>	ITs25m 3=2 <ht<10m 4="1&lt;HT&lt;2m" 5="0.5&lt;HT&lt;1m" 6="0.2&lt;HT&lt;0.5m" 7="HT&lt;0.2m&lt;/th"></ht<10m>

**CVR CODES:** 

0=NONE 1=0%<CVR≤10% 2=10<CVR≤25% 3=25<CVR≤60% 4=CVR>60% N/O=not observed

STANDING SNAGS:	N	<10	N	10 – 24	N	25 – 50	N	>50
ABUNDANCE CODES:	N=NONE	R=RARE	0=0	OCCASIONAL	A=A	BUNDANT	N/O=N	lot observed
STAND MATURITY: PIONEER	YOU	NG	, P	/IID-AGE	M	IATURE		OLD GROW

VE	GETATION TYPE: Cultural	Meadow	, CODE:	C471-	\ · ·
_	COMPLEX		CODE		

#### Evidence of Disturbance / Notes:

Ditch area along road is MAS2-1 (Cattail Mireral Shallow Marsh Type Ecosite) - main ecosite is grass-dominated.

REES: SALNICR  HRUBS: SALIX SA- CRASACT  N Q O N O N  N  ROUND: TYPLATI N N A O D R  ASCENTIANC N N A A O R  A STYLANC N N A A O R  A O	ABUNDANCE CODES: N=NONE R=RARE O=	in Miles		YER		DISTANCE	FROM RD.	THE TRACK!
SALNIGR	SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
HRUBS: SALIX SP. CRASUCT  N Q O N  N  TOPLATI  N N A O D R  PIFFULL  N N A O R  A A  A SCARI  N N A A  O R  O STMLANC  N N O R  O R  O R  O R  O R  O R  O R						10年的情報		
HRUBS:  SALIX SQ.  CRASUCT  N Q O N O N  ROUND:  TPLATI  DIPFULL  N N A O R  A A  SOL CANA  N N A A  SYMLANC  N N N O R  O  O	SALNIGR	7	0	0	7	0	N	
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SALIX SP.  CRASACT  N Q O N O N  CRASACT  N Q O N O N  N  ROUND:  TYPLATI  DIPFULL  SOL CANA  ASC SYRI  SYMLANC  N N N A A O  R  O  R  O  R  O  O  O  N  N  N  N  N  N  N  N  N  N								
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SALIX SP.  CRASACT  N Q O N O N  CRASACT  N Q O N O N  N  ROUND:  TYPLATI  DIPFULL  SOL CANA  ASC SYRI  SYMLANC  N N N A A O  R  O  R  O  R  O  O  O  N  N  N  N  N  N  N  N  N  N	HPLIRS				With A	1 4425516		A (5) 1 4 1
ROUND: TYPLATI NAAO ROUND: TYPLATI NAAO RA  DIPFULI NAAA A A ASCSTAI NNAAA A O RO  SYMLANC NNAO RO	SALLY sas	<u> </u>	(7)	()	1	()	N	
ROUND: TYPLATI NAAO R A DIRFULL NAAO R A A SOL CANA NNAAA A ASC SYRI SYMLANC NNAO R O	MON SUCE			<del></del>	1,7	0		
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Signature:	Arilla	Quality Control:This form is complete 🖼 & legible 🖼
-	(Field Personnel)	(Project Manager)

Q

Usedges

ELC Polygon: #	Asses	sment Type: 🖸	a-Visual; no	access / 🛚	-Walk throu	igh feature	e		
Extent of Physical Inv	estigation	of Feature:	I-Entire / □	I-Partial, wall	k through p	olygon <i>(in</i>	ndicate on map)		
Reptile / Bat Hiber	nacula F	[i bi C	I-Y* / ☑-N / .c. features th ridge aburme ontains por I-Y* / ☑-N /	nat would provents or culverts tential bat hil	n, no acces ide a route un with cracks/o bernacula f n, no acces	is (*if yes, nderground, entry points eatures? is (*if yes,	describe in table, including buried of	onerete vices or	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBER	NACULA I			T - 2 - 1	oned mines o	i caves			
UTM		F	eature Desc	ription		Photo No	o. Spp. O	bserve	d Using Feature
			· · · · · · · · · · · · · · · · · · ·		······································				
		Martin Martin A tradition with the state of	***************************************	***************************************					
Bat Roosting Feat		[i.e. tall trees	Unknow with open	vn, no acces surrounding	s (*if yes, d	<i>lescribe in</i> icm, side-	table below) facing cavities ~	10m hi	gh in tree]
UTM	Tree ID	Tree Spp.		Photo No.	Decay Cl	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
					2000,		1 tot of Carreies	Treign	t and Type of Carriers
	Į		]						
Stick Nests:		0	Contains lar ⊒-Y* / ⊡-N	rge stick nest / □-Unknow	ts? n, no acces	ss (*if yes,	describe in tabl	e belov	v)
STICK NEST(S) IDEN	TIFIED				T	1			
UTM		Tree ID	I ree	Spp.	Nest Size	Photo N	o. Spp. (	)bserve	d Using Feature
Seeps/Springs/Vei	rnal Pool	s: (	Contains se	eps/springs/	vernal pool	s?			
SEEP/SPRING/VEF	RNAL POC				n, no acces	ss ("If yes,	describe in tabl	e belov	<u>v)</u>
UTM		ture No. & Typ	Faature	e Size Wa	ter Depth	Photo No	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
				L		<u> </u>			
SPECIES & HABITA	Γ OBSERV	ATIONS (list s	species and	type of obser	vation & in	dicate on 1	niap)		
									-6
									₩ # .5 n
									*9
1									

Stantec	Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493
Project Number:	1609502
Date:	20 - 1400

## Coll. Tile 7, Roadside ELC, 3-2 Woodland & Wildlife Habitat **Assessment Form**

1. (313) 000-2400				
160950	5269	Project Name:	NEWC E	LC
26 June	2012	Field Personnel:	A. Ducha	rme
TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs)
20	5 kph	none	none	none

#### **POLYGON DESCRIPTION**

SPECIES IN ORDER OF DECREASING DOMINANCE

MAM 2

or TPS2

		TOPOGRAPHIC FEATURE	HISTORY
ELC	POLYGON: 7-2	☐ LACUSTRINE ☐ TALUS ☐ CREVICE / CAVE	
COMMUNITY	7,55	☐ BOTTOMLAND ☐ ALVAR ☐ TERRACE ☐ ROCKLAND ☐ VALLEY SLOPE ☐ BEACH / BAR ☐ TABLEI AND ☐ SAND DUNE	CULTURAL
DESCRIPTION & CLASSIFICATION	END TIME: 9.55	☐ TABLELAND ☐ SAND DUNE  SPROLL, UPLAND ☐ BLUFF  ☐ CLIFF	

### STAND DESCRIPTION: LAYER

Weather Conditions:

		'''		(>>MUCH GRE	ATER THAN; >GRE	ATER THAN; = A	BOUT EQUAL TO)
1	CANOPY	7	1	SALNIG	L 7FA66	RAN	
2	SUB-CANOPY	3	7	-AGGRI	+N >SALL	116c	
3	UNDERSTOREY	4-5	4	SOLCAN	A. > TYPLA	TI > DIPFU	MLL
4	GRD. LAYER	6-7	4	SOLCAN	A7 gasse	5	
HT	CODES:	1=>25m	2=10 <h< th=""><th>IT≤25m <b>3=</b>2<ht≤10< th=""><th>m 4=1<h⊅≤2m 5="0&lt;/th"><th>.5<ht≤1m 6="0.2&lt;H1&lt;/th"><th>ľ≤0.5m <b>7</b>=HT&lt;0.2m</th></ht≤1m></th></h⊅≤2m></th></ht≤10<></th></h<>	IT≤25m <b>3=</b> 2 <ht≤10< th=""><th>m 4=1<h⊅≤2m 5="0&lt;/th"><th>.5<ht≤1m 6="0.2&lt;H1&lt;/th"><th>ľ≤0.5m <b>7</b>=HT&lt;0.2m</th></ht≤1m></th></h⊅≤2m></th></ht≤10<>	m 4=1 <h⊅≤2m 5="0&lt;/th"><th>.5<ht≤1m 6="0.2&lt;H1&lt;/th"><th>ľ≤0.5m <b>7</b>=HT&lt;0.2m</th></ht≤1m></th></h⊅≤2m>	.5 <ht≤1m 6="0.2&lt;H1&lt;/th"><th>ľ≤0.5m <b>7</b>=HT&lt;0.2m</th></ht≤1m>	ľ≤0.5m <b>7</b> =HT<0.2m
CVI	R CODES:	0=NONE	1=0%<	CVR≤10% 2=10 <c< th=""><th>VR≤25% 3=25<cvr≤< th=""><th>60% 4=CVR&gt;60%</th><th>N/O=not observed</th></cvr≤<></th></c<>	VR≤25% 3=25 <cvr≤< th=""><th>60% 4=CVR&gt;60%</th><th>N/O=not observed</th></cvr≤<>	60% 4=CVR>60%	N/O=not observed
ST	ANDING SNAGS:			<10	N 10 - 24	25 - 50	N >50
ABI	INDANCE CODES:		N	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT	N/O=Not observed
ST	AND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH

Evidence of Disturbance / Notes:

**VEGETATION TYPE:** 

Ditch area along road is MAS 2-1.

Meadow Marsh or Fresh-Moist Tullgrass Savannah M

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT D=DOMINANT N/O=Not observed DISTANCE FROM RD. LAYER COLL. SPECIES CODE ≤5 m >5 m 2 SAL NIGR FAGGRAN SHRUBS: GROUND: SOLGANA D TYPLATI N

Signatura:	And	Quality Control This form is complete 🕒 & legible 🕒
-	11.70	
	(Field Personnel)	(Project Manager)

									Wildli	ife Habitat Assessm	ent Form
ELC Polygon: #7	2 Asses	sment Type:	च-Visual; r	no acces	ss / 🗖	-Walk throu	gh feature				
Extent of Physical Inv	vestigation	of Feature:	□-Entire / □	<b>⊒</b> -Partia	ıl, wal	k through po	olygon (inc	licate on map)			
Reptile / Bat Hiber	nacula F	] } (	□-Y* / □-Ñ [i.e. features bridge abutn Contains p □-Y* / □-Ñ	N/□-Un that woul neuts or cr potential N/□-Un	nknowind proventiverts bat hilt nknowi	ide a route un with cracks/c bernacula fe	is (*if yes, conderground, lentry points, leatures? is (*if yes, conderground)	describe in table including buried o	concrete ( vices or i	or rock (e.g. foun inactive animal bu	
POTENTIAL HIBER	NACULA		<del></del>	· · · · · · · · · · · · · · · · · · ·							
UTM		J	Feature Des	scription	1		Photo No.	. Spp. O	bserved	d Using Feature	!
										***************************************	
Bat Roosting Feat		[i.e. tall tree	I / □-Unkno es with oper	own, no a n surrou	acces	s (*if yes, de	lescribe in i	table below) acing cavities ~	10m híç	gh in tree]	
POTENTIAL BAT RO	1		· · · · · · · · · · · · · · · · · · ·		- Ma	Danni Cl	(1.5)	N CO-viding	Water	·	1!4!
UTM	Tree ID	Tree Spp	p. DBH	Photo	o No.	Decay Cla	ASS (1-5)	No. of Cavities	Heigh	t and Type of C	avities
				1					***************************************		
Stick Nests:			Contains la □-Y* / ⊡-1	arge stic	k nes	ts? /n, no acces	ss (*if yes,	describe in tabl	le belov	v)	,
STICK NEST(S) IDE	NTIFIED										
UTM		Tree ID	Tre	ee Spp.		Nest Size	Photo No	Spp. C	<u>Observe</u>	d Using Feature	2
						1			**		
											***************************************
Seeps/Springs/Ve	rnal Pool	ls:	Contains s	eeps/sp	orings/	/vernal pools	s?	describe in tabl	le helov	1/1	
SEEP/SPRING/VE	RNAL PO				IMIOT	11, 110 00000	13 ( 11 700, 1	ACCOUNT IN LUCK	G D01011	<u>'</u>	
UTM		ature No. & Ty	Featu	re Size meter)	Wa	ater Depth	Photo No.	Sub/Emerger Spp. Prese		Shrubs/ Logs a Present	
		#*************************************		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	,					
SPECIES & HABITA	TARSER	VATIONS (lies	t angelog on	A tring of	e chear		dianta on m				
of Ecres & Habita	.I OBSER	A HONS (list	Species and	1 type or	ODSCI	Vation or in	dicate on m	ару			90
											- 1
							,				
					20						
					121 36						

CA=carcass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest: HO=house/den; OB=observed: SC=scat; SI=other sign; TK=track: VO=vocalization

6	100
8	
4	110
1	Stantoc

Fax: (519) 836-2493

# Stantec Consulting Ltd. Coll. Tile 7; Roadside ELC, 1-70 Southgate Drive Guelph, ON Canada NIG 4P5 Tel: (519) 836-6050 Fax: (519) 836-2400 **Assessment Form**

	1000	_
Project	Number:	

160950269

Project Name: NRWC ECC Field Personnel:

	TEMP (°C)
Veather Conditions:	20

WIND: CLOUD: PPT: PPT (in last 24 hrs): S Kph none none rone

#### **POLYGON DESCRIPTION**

		TOPOGRAPHIC FEATURE	HISTORY
ELC	POLYGON: 7-3	☐ LACUSTRINE ☐ TALUS ☐ RIVERINE ☐ CREVICE / CAVE ☐ BOTTOMLAND ☐ ALVAR	EMATURAL CULTURAL
COMMUNITY	START TIME: \ () '.OO	TERRACE ROCKLAND VALLEY SLOPE BEACH / BAR	LICOLIONAL
DESCRIPTION & CLASSIFICATION	END TIME: 10:30	□ TABLELAND □ SAND DUNE □ ROLL, UPLAND □ BLUFF □ CLIFF	

#### STAND DESCRIPTION:

	LAYER	нт	CVR	[	S IN ORDER OF I		MINANCE BOUT EQUAL TO)
1	CANOPY	3		GUEMAC	RYSALN	16R	•
2	SUB-CANOPY	3	3	SALNIGE	= QUEM	ACR >FAGI	GRAN
3	UNDERSTOREY	4-5	4	CORRAC	E= VITVI	NI	
4	GRD. LAYER	6-7	3	TYPLAT	1 7 SOLC	ANA>ac	a\$505
	CODES: R CODES:				m <b>4</b> =1 <ht≤2m <b="">5=0 VR≤25% <b>3</b>=25<cvr≤< th=""><th></th><th></th></cvr≤<></ht≤2m>		
ST.	ANDING SNAGS:			R <10	N 10-24	N 25 - 50	√ >50
ABI	UNDANCE CODES:		N	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT	N/O=Not observed
ST	AND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH
VE	VEGETATION TYPE: Deceduous Forest CODE: FOD (73)						
	COMPLE	X				CODE:	

**Evidence of Disturbance / Notes:** 

LAYERS: 1=CANOPY > 10m 2=SUB-CANO ABUNDANCE CODES: N=NONE R=RARE 0=0	PY 3	S=UNDE ONAL A	=ABUN	EY 4	=DOMINAN	(GRD.) LAYE IT <b>N/O</b> =Not (	ER observed
SPECIES CODE			YER		The second of the second	FROM RD.	COLL.
	1	2	3	4	≤5 m	>5 m	
FAGRAN	2422	A A O O	R R R	2222	00 22	A A O O	
SHRUBS: CORRACE VITVINI SALIX SP. PARGUIN	227 2	2202	DA00	11 0 R	D A	A R O	
GROUND: TYPLATI SOLCANA GGISSES UASCSTRI	2272	222	7272	A COR	A O O R	R R R Z Z	

Signature:	1	n'The	Si
,		(Field Personnel)	

Quality Control: This form is complete 2 & legible 1. ignature: (Project Manager)

										******	
ELC Polygon: #7-3	Assess	sment Type:	⊡-Visı	ual; nc	acces:	s / 🗖-	·Walk throu	gh feature	ŀ		
Extent of Physical Inve	estigation	of Feature:	□-Enti	ire / 🗆	-Partial	l, wall	k through p	olygon <i>(inc</i>	dicate on map)		
Reptile / Bat Hibern	nacula Fe	[ ] -	□-Y* / [i.e. feat bridge a Contait □-Y* /	/ ☑-N / atures th abutmen ins pot / ☑-N /	/ □-Unk hat would ints or cu tential b / □-Unk	knowr d provi dverts oat hib knowr	ide a route ur with cracks/c bernacula fe	is (*if yes, onderground, entry points, eatures? is (*if yes, o	describe in table including buried c	concrete d vices or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBERN	ACULA F										
UTM					ription			Photo No	. Spp. O	bserved	d Using Feature
	(5)	a 155 TE 1					1	W	<u> </u>		
					· ·						
Bat Roosting Featu		[i.e. tall tree	l / ☑-Uı es with	Inknow open	vn, no a surrour	access	s (*if yes, d	escribe in icm, side-f	table below) acing cavities ~	10m hiç	gh in tree]
UTM	Tree ID	Tree Spp		DBH	Photo	No.	Decay Cla	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
		1						1			
100000000000000000000000000000000000000											
Stick Nests:			Conta □-Y*	ins lar / □-N	rge stick / ⊠-Un	k nest	ts? n, no acces	ss (*if yes,	describe in tabl	e belou	/)
STICK NEST(S) IDEN	TIFIED	T ID		Trace	S		BT -4 02-4	TOL - 4 - BT.	6:4	~	1 WT 1 27-4
UTM		Tree ID	<del></del>	1 гее	Spp.		Nest Size	Photo No	5. Spp. C	DServe	d Using Feature
							<u> </u>				
							1	1			
Seeps/Springs/Ver	nal Pool	s:	Conta □-Y*	iins se / ロ-N	eps/spr	rings/	vernal pools	s? ss (*if yes,	describe in table	e belou	· · · · · · · · · · · · · · · · · · ·
SEEP / SPRING / VER	NAL POC						.,,		<u></u>		<u>,                                      </u>
UTM	Fea	nture No. & Ty	UDA:	F <b>eature</b> (Diame	1	Wa	ter Depth	Photo No.	Sub/Emergen Spp. Prese		Shrubs/ Logs at Edge Present?
								<b></b>		······	
				***************************************				1			
OPECIES & HADITAT	COPCEDI	TATIONIC (II	* *.	4			41 . 0 !	**			
SPECIES & HABITAT	OBSEKV	ATIONS (list	specie	es and	type or	obser	vation & in	dicate on n	1ap)		
			9								· ·
											2 00
2											
											16

Stantec	Stantec Cons 1 70 Southg Guelph, ON Canada N1G Tel: (519) 836 Fax: (519) 836	4P5 -6050	_	- ५ Woodla	coadside EL nd & Wildlif sessment F	e Habitat
Project Number:	1600	502	69	Project Name:	NRWC	ELC.
Date:	263	sure	2012	Field Personnel:		harme
	TEMP (°C	):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):
Weather Conditions:	20		5 kph	none	none	none
			•	POLYGON DES	CRIPTION	
				TOPOGRAPHIC F	EATURE	HISTORY
ELC	POLYGON: START TIME END TIME:	7-9	<del>1</del> 36	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ STÂOLL, UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAV ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	E CULTURAL
STAND DESCRIP	PTION:					
LAYER	нт	CVR (>:		ES IN ORDER OF D ATER THAN; >GRE		
1 CANOPY	12:	3	ALNIE	R=FAGGR	AN >PRU	SERO
2 SUB-CANOP	Y 3	3	RUSE	RO > SALNI	GR >FA	GERAN
3 UNDERSTORE	EY 4-5	3 0	ORRACI	ミンナンマミ	VI.	
4 GRD. LAYER	₹ 6-7	4 7	YPLAH	1> SOLCAL	NA> DIRFO	1LL7ASCSYR
HT CODES: CVR CODES:		2=10 <ht≤2 1=0%<cvf< td=""><td></td><td>0m 4=1<ht≤2m 5="0&lt;br">CVR≤25% 3=25<cvr≤< td=""><td></td><td></td></cvr≤<></ht≤2m></td></cvf<></ht≤2 		0m 4=1 <ht≤2m 5="0&lt;br">CVR≤25% 3=25<cvr≤< td=""><td></td><td></td></cvr≤<></ht≤2m>		
STANDING SNAGS	:	R	<10	10 – 24	N 25 - 50	√ >50
ARUNDANCE CODES:		N=NO	NE D=DADE	O=OCCASIONAL	A=ARI INDANT	N/O-Not observed

Evidence of Disturbance / Notes:

COMPLEX

Cultural Meadow

STAND MATURITY: PIONEER

**VEGETATION TYPE:** 

Debris - old building, roof partial (see photo)
-old trailer / truck - abandard dilapidated.

MID-AGE

Woodland

MATURE

CODE: CUM 1-1/CUWI

OLD GROWTH

ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT D=DOMINANT N/O=Not observed DISTANCE FROM RD. LAYER COLL SPECIES CODE >5 m 2 3 4 TREES: SALNIGR N FAGGRAN (1) N PRUSERO A SHRUBS: CORRACE N VITVINI 0 GROUND: 1 73 N SOL CAND A A N N N 0 0

4=GROUND (GRD.) LAYER

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY

1/2	Quality Control: This form is complete \( \mathbb{Q}' \& legible \( \mathbb{Q}'. \)
Signature: An //a	Signature:
(Field Personnel)	(Project Manager)

ELC Polygon: # 7-L	As	sessi	ment Type:	☑-Vi	isual; no	acces	ss / 🗅-	·Walk throu	gh feature	9			
Extent of Physical Inv	- estiga	tion c	of Feature:	Q-E	ntire / 🗆	I-Partia	al, wall	k through p	olygon <i>(in</i>	dic	ate on map)		
Reptile / Bat Hiber	nacul	a Fe		□-Y' [i.e. t bridg Cont □-Y'	*/ \subsection  catures the abutmontains poor  */ \subsection	/ □-Un pat would pats or cr tential / □-Un	iknowi Id provulverts bat hil iknowi	ide a route ur with cracks/c cernacula fo	is (*if yes, aderground, entry points eatures? is (*if yes,	de , inc , ex	escribe in table eluding buried c sposed rock crev escribe in table	onerete rices or i	or rock (e.g. foundations inactive animal burrows)
POTENTIAL HIBERN	NACU	LA FI	EATURE(S)	IDE	NTIFIE	D		oned iiiiie., o	. ottresj				
UTM				Featı	ure Desc	ription			Photo No	0.	Spp. O	bserve	d Using Feature
Bat Roosting Feat				/ □- es wil	Unknov th open	vn, no surrou	acces	s (*if yes, d			<i>ble below)</i> ing cavities ~	10m hi	gh in tree]
POTENTIAL BAT RO	OSTI Tree		EATURE(S) Tree Spi		DBH	D Photo	o No.	Decay Cla	ass (1-5)	N	o. of Cavities	Heigh	t and Type of Cavities
							01.01	, Doory On			or or cavities	Tivign	and Type of Carriers
Stick Nests:				Con	tains lai * / <b>ਯ</b> -N	ge stic / □-Ur	k nest	ts? n, no acces	ss (*if yes,	de	escribe in tabl	e belov	v)
STICK NEST(S) IDEN	TIFII	T	Tree ID		Tree	Spp.		Nest Size	Photo N		Snn (	hearya	d Using Feature
VIII						орр.		NGC SIZE			Зрр. С	/DSCI VC	
Seeps/Springs/Ver				□-Y	* / 🗹-N	/ 🗆-Ur		vernal pools n, no acces		de	escribe in table	e belov	v)
SEEP / SPRING / VER	RNAL		ure No. & Ty		Feature (Diam	e Size	Wa	ter Depth	Photo No	D.	Sub/Emergen Spp. Prese	_	Shrubs/ Logs at Edg Present?
	······································				M-1044-104-104-104-104-104-104-104-104-10								
SPECIES & HABITAT	r obs	<b>ERV</b>	ATIONS (list	spec	cies and	type of	obser	vation & in	dicate on 1	maj	p)		
- Debri	5-	- 0	bando	rec	(sac	hed pho	or of	d train	ila-/	tr	ruck		4. A.

Stantec	Stantec Consulting 1 – 70 Southgate Dru Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493		5 Woodlan	oadside EL nd & Wildlife essment Fo	e Habitat
Project Number:	160956	269	Project Name:	NRWC	ELC
Date	26 Sun	e 2012	Field Personnel:	A. Duck	arme
Weather Conditions:	TEMP (°C):	WIND: light	CLOUD:	PPT:	PPT (in last 24 hrs):

#### POLYGON DESCRIPTION

		TOPOGRAPHIC	EATURE	HISTORY
ELC	POLYGON: 7-5	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND	CREVICE / CAVE	EMATURAL CULTURAL
COMMUNITY	11:36	☐ TERRACE ☐ VALLEY SLOPE	☐ ROCKLAND ☐ BEACH / BAR	LOCIONAL
DESCRIPTION & CLASSIFICATION	END IIME.	TABLELAND BYROLL, UPLAND CLIFF	SAND DUNE BLUFF	

### STAND DESCRIPTION:

	LAYER	нт	CVR	(>>MUC		IN ORDER OF R THAN; >GR			ANCE IT EQUAL TO)
1	CANOPY	+	-	~					
2	SUB-CANOPY	3	2	SAL	NIGR	7 EAGG	RAN		
3	UNDERSTOREY	4-5	4	+11	ANGU				
4	GRD. LAYER	6-7	4	778	ANGU	= Gras	ses		
CVI	CODES: R CODES:	1=>25m 0=NONE				4=1 <ht≤2m 5="&lt;br">25% 3=25<cvf< th=""><th>R≤60% 4=CVR</th><th>:&gt;60% N/O=</th><th></th></cvf<></ht≤2m>	R≤60% 4=CVR	:>60% N/O=	
ST	ANDING SNAGS:			14 <	10	10 – 24	25 -	-50	>50
ABI	INDANCE CODES:		N	=NONE	R=RARE	D=OCCASIONAL	A=ABUNDA	ANT N/O=	Not observed
ST	AND MATURITY:	PIONEER		YOUNG		MID-AGE	MATURI	E	OLD GROWTH
VE	GETATION TYPE:	Shall	0~1	Catte	ail Mo	rsh	CODE:	1AS2	-1 or 3-1
	COMPLE	X					CODE:		

**Evidence of Disturbance / Notes:** 

LAYERS: 1=CANOPY >10m 2=SUB-CANO ABUNDANCE CODES: N=NONE R=RARE 0=	OCCASI	ONAL A	=ABUN	DANT D	=GROUND ( =DOMINAN	FROM RD.	bserve
SPECIES CODE	1	LA 2	YER 3	1 4	≤5 m	>5 m	COLL
REES:					35 20 1K		
SALNIGR	100000000000000000000000000000000000000		R	10			
FAGGRAN	-	8	R	1			
THOOKAN				73			
SHRUBS:	E-1200.	CALL OF		APACE)		Million .	7
CORRACE	7-3	2	0	2			
POLICE AND	700.913E-W	Toy X-sp-	ange see	interest de	1000		
ROUND:	P18450	N	D	1	K - 2 4 8 15)	Mrs. 1975	of the man
TYPANGU				A			
grasses		2	Α	A			
1 2 4							

(Field Personnel) (Project Manager)

Signature:

Signature:

ELC Polygon: # 7	S Asses	sment Type: [	⊴-Visual	no acce	ss / 🗆	-Walk throu	gh feature	9		
Extent of Physical In	– vestigation	of Feature: 〔	⊒-Entire	/ ロ-Partia	al, wal	k through p	olygon <i>(in</i>	dicate on ma	p)	
Reptile / Bat Hiber			I-Y*/ I i.e. featum oridge abu Contains I-Y*/ I i.e. karst t	-N / □-Ur es that wou tracats or c potential -N / □-Ur opography	Iknowing Id provout on the provone the provotes the provout of the	fide a route un with cracks/o bernacula fo	s (*if yes, nderground, entry points eatures? s (*if yes,	describe in to	ed concrete erevices or	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBER UTM	NACULA			TED escription			Photo No	Spr	Observe	d Using Feature
			cature L	escription			I HOLO INC	, Spi	. Observe	d Osnig Peature
			***************************************	······································		***************************************				
	<u> </u>						<u> </u>			
Bat Roosting Feat		[i.e. tall tree	/ 🔲-Unk s with op	nown, no en surrot	acces	s (*if yes, d	escribe in icm, side-l	table below) facing cavities	s ~10m hi	gh in tree]
POTENTIAL BAT ROUTM	OOSTING Tree ID			1	o No.	Decay Cl	200 (1.5)	No. of Caviti	oo Usiah	at and Type of Cavities
OTIVI	Tree ID	ттее эрр	. Di	II FIIOL	0 140.	Decay Ci	488 (1-5)	No. of Caviti	es rieign	t and Type of Cavities
	<u> </u>								<u> </u>	
Stick Nests:	A TABLE A MARK BANK		Contains □-Y* / ☑	large stid -N / ロ-U	ck nes nknow	ts? /n, no acces	ss (*if yes,	describe in t	able belov	w)
STICK NEST(S) IDE	NTIFIED	Tree ID	т	ree Spp.		Nest Size	Photo N	o Sni	Observe	ed Using Feature
						T CSC SIZE	I HOLO IV	о. Бр	o. Observe	d Comg Peacure
									· · ·	
Seeps/Springs/Ve	rnal Pool	ls:	Contains □-Y* / ⊡	seeps/sp N / □-Uı	orings/ nknow	vernal pools n, no acces	s? ss <i>(*if yes,</i>	describe in t	able belov	v)
SEEP/SPRING/VE	RNAL POO				,		· · · · · · · · · · · · · · · · · · ·			
UTM	Fea	ature No. & Ty		ameter)	Wa	ter Depth	Photo No	Sub/Emer Spp. Pr		Shrubs/ Logs at Edge Present?
				······································	-				***************************************	
SPECIES & HABITA	T OBSER	VATIONS (list	species a	nd type o	fobser	vation & in	dicate on n	nap)		
										23.
										, i.e.
										*** 5
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			¥							7
			2							

CA=carcass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest: HO=house/den; OB=observed: SC=scat; SI=other sign: TK=track: VO=vocalization

S S S S S S S S S S S S S S S S S S S		Stantec Con: I 70 Southg Guelph, ON Canada N1G Fel: (519) 836 Fax: (519) 83	gate Driv 3 4P5 3-6050	td. Coll. Poly 7-	❤ Woodlar	oadside EL0 nd & Wildlife sessment Fo	Habitat
	Project Number:				Project Name:		
	Date:				Field Personnel:		
Wea	ather Conditions:	TEMP (°	C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):
	·				POLYGON DES	CRIPTION	
					TOPOGRAPHIC F	EATURE	HISTORY
DI	ELC S	OLYGON: TART TIMI ND TIME:	+-	- C 2:00 2:30	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ TROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	EMATURAL □ CULTURAL
ST	AND DESCRIPT	ION:					
	LAYER	нт	CVR			ECREASING DOMI ATER THAN; = AB	
1	CANOPY	2-3	4	QUEMAC	R = FAGG	RAN	
انا		1.11	11	ROB PSEL	> RHUT-	1PH	
2	SUB-CANOPY	14	l-l	1901000			
3	UNDERSTOREY	17 2	4	ROBPSEL	>7 SOLCA	NA	
3 4	UNDERSTOREY GRD. LAYER	7-8	4	ROBPSEU	+> grusses		
2 3 4 HT	UNDERSTOREY	7-8 1=>25m		ROBPSEU SOLCANI ITS25m 3=2 <hts10< th=""><th>+&gt; grusses</th><th>5<ht≤1m <b="">6=0.2<ht≤0< th=""><th>0.5m <b>7=</b>HT&lt;0.2m /O=not observed</th></ht≤0<></ht≤1m></th></hts10<>	+> grusses	5 <ht≤1m <b="">6=0.2<ht≤0< th=""><th>0.5m <b>7=</b>HT&lt;0.2m /O=not observed</th></ht≤0<></ht≤1m>	0.5m <b>7=</b> HT<0.2m /O=not observed

N=NONE R=RARE O=OCCASIONAL A=ABUNDANT

MID-AGE

Fresh-Moist Deciduous Forst CODE:

N/O=Not observed

OLD GROWTH

MATURE

CODE:

FOD

**Evidence of Disturbance / Notes:** 

COMPLEX

STAND MATURITY: PIONEER

ABUNDANCE CODES:

**VEGETATION TYPE:** 

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT D=DOMINANT N/O=Not observed DISTANCE FROM RD. LAYER COLL. SPECIES CODE >5 m 2 4 ≤5 m TREES: 0 QUE MACR N FAGGRAN A 0 SHRUBS: ROBPSEU D RHUTYPH R () () N/0 0 GROUND: SOLCANA 2 N N arasses SYMLANC

Signature:	An-M		y Control: This	form is comple	ete & legibl	le <b>Q</b> .
•	(Field Personnel)	•	7	(Project	Manager)	

ELC Polygon: # )-(,	, Asse	essment Type: E	₫-Visual; no	access / 🗆	-Walk throu	gh feature			
Extent of Physical In	– vestigatio	on of Feature:	⊒-Entire / □	I-Partial, wal	k through p	olygon <i>(ind</i>	dicate on map)		
Reptile / Bat Hibe	rnacula	ti b	□-Y* / ☑-N / i.e. features the oridge abutme Contains poo □-Y* / □-N /	hat would provents or culverts tential bat hi	n, no acces ride a route ur with cracks/c bernacula fo n, no acces	s (*if yes, oderground, entry points, eatures? s (*if yes, o	describe in table including buried c	oncrete ices or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBER UTM	NACULA		DENTIFIE  Teature Desc			YN N.			2 2 2 2 2 2
						Photo No.	Spp. О	oservec	l Using Feature
POTENTIAL BAT R			/ □-Unknov s with open	vn, no acces surrounding	s (*if yes, d	escribe in cm, side-fa	table below) acing cavities ~	10m hiç	gh in tree]
UTM	Tree I			Photo No.	Decay Cla	nss (1-5)	No. of Cavities	Heigh	t and Type of Cavities
							***************************************		
Stick Nests:	NTIFIED		Contains lar □-Y* / 回-N	rge stick nes / □-Unknow	ts? n, no acces	s (*if yes,	describe in tabl	e below	)
STICK NEST(S) IDE UTM	NIIFIED	Tree ID	Tree	Spp.	Nest Size	Photo No	o. Spp. C	bserve	d Using Feature
									•
Seeps/Springs/Ve		(	□-Y*/ <u>@</u> -N		vernal pools n, no acces	s? s (*if yes,	describe in table	e below	1)
SEEP / SPRING / VE			F .	Sino		<u> </u>	Sub/Emangan	+ Voc	Shaube/Logs at Edge
UTM	F	eature No. & Ty	pe Feature (Diam		ter Depth	Photo No.	Sub/Emergen Spp. Prese	_	Shrubs/ Logs at Edge Present?
SPECIES & HABITA	T OBSEI	RVATIONS (list	species and	type of obser	vation & inc	licate on m	nan)		1
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
									**

CA=carcass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest: HO=house/den; OB=observed: SC=scat; SI=other sign: TK=track: VO=vocalization

3 1/2	3
Ma	<i>Y</i>

Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050

## Roadside ELC, Woodland & Wildlife Habitat Assessment Form

Stantec	Fax: (519) 836-2493
Project Number:	160950

50269 Project Name: NRUC ELC

CLOUD:

Date: 26 June 2012

Field Personnel: A. Ducharme

Weather Conditions:

TEMP (°C): WIND: 2 | light

PPT: PPT (in last 24 hrs):

DOLVOOR	DECODIDATION
PULTGUN	DESCRIPTION

		TOPOGRAPHIC F	EATURE	HISTORY
ELC	POLYGON: 8-(	☐ LACUSTRINE ☐ RIVERINE	CREVICE / CAVE	□ NATURAL
COMMUNITY	START TIME: 7:30	D BOTTOMLAND D TERRACE D VALLEY SLOPE	☐ ROCKLAND ☐ BEACH / BAR	LICOLTORAL
DESCRIPTION & CLASSIFICATION	END TIME: 3.00	ROLL, UPLAND CLIFF	O SAND DUNE	

#### STAND DESCRIPTION:

	LAYER	нт	CVR	(>>M			ORDER OF E				
1	CANOPY		-						11 1 5		3 2 4 1 3
2	SUB-CANOPY	3		SF	FLNIG	R:	FAGGRA	M.	>ACES	ACC	PICKAL
3	UNDERSTOREY	4-5	4	C	ALCA:	AL	> TYP	SUF	64 / S	1 M	看来来
4	GRD. LAYER	6-7	4	()	HLCAN	A)	> TYPA	NG	4750	LCI	AMA
	CODES: R CODES:	1=>25m 0=NONE					=1 <ht≤2m <b="">5=0. 5% <b>3</b>=25<cvr≤< th=""><th></th><th></th><th></th><th></th></cvr≤<></ht≤2m>				
ST	ANDING SNAGS:			RI	<10	7	10 – 24	N	25 – 50	N	>50
ABI	INDANCE CODES:		N	=NONE	R=RARE	0=	OCCASIONAL	A=A	BUNDANT	N/O=N	ot observed
ST	AND MATURITY:	PIONEEF	?	You	NG		MID-AGE	N	MATURE		OLD GROWTH
VE	GETATION TYPE:	linera	1 Cul	twa !	Meado.	<i>y</i> _	Old Field	COD	E: CUM	11-	1 ===
	COMPLE	Х	-				= = = 1	COD	E:		

**Evidence of Disturbance / Notes:** 

		LA	YER	e alama	DISTANCE	FROM RD.	
SPECIES CODE <sub>3</sub>	1	2	3	4	≤5 m	>5 m	COLL
TREES:							ALT.
COLVICO		0	14	N			

SPECIES CODE,	CONTRACTOR NAMED IN COLUMN TO SERVICE AND ADDRESS OF THE PERSON OF THE P	THE RESERVE AND ADDRESS OF THE PARTY OF THE	3 1-17	Could only below to	AND PERSONAL PROPERTY	end-extended control	COLL.
G LG LG GGEL*	1	2	3	4	≤5 m	>5 m	JOLL
TREES:		100					
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FAGGRAN			N	7	1	in the second	
*C#CACC		G R	N	N	<b>—</b>		
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GROUND:			1000			National I	
CALCANA SYMLANC ASC SYRI SOLCANA TYPENOU		12	3	D			1
SYMLANC		N	N	18			
ASCSYRI	-	N	N	8			
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	1 7	Quality Control: This form is complete 2 & legible 2
Signature:	A:12	Signature:
-	(Field Personnel)	(Project Manager)

ELC Polygon: # 8 -		sment Type: ☑-					licate on map)		
Reptile / Bat Hiber	nacula Fe	[i.e. brid Col	Y* / ☑-N teatures the dge abutme entains po Y* / ☑-N	/ Q-Unkno that would prents or culver ptential bat / Q-Unkno	ovide a route un rts with cracks/onibernacula f	ss (*if yes, d nderground, i entry points, d features? ss (*if yes, d	describe in table including buried c	concrete vices or i	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBER	NACULA F	EATURE(S) ID	ENTIFIE	E <b>D</b>	4				
UTM		Fea	ature Desc	eription		Photo No.	Spp. O	bserve	d Using Feature
				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					
Bat Roosting Feat		Contains poter □-Y* / □-N / □ [i.e. tall trees w	3-Unknov vith open	wn, no acce surroundin	ess (*if yes, d	lescribe in to Som, side-fa	able below)	10m hi	gh in tree]
POTENTIAL BAT ROUTM	Tree ID	Tree Spp.	DBH	Photo No	Decay Cla	age (1.5)	No. of Cavities	Heigh	at and Type of Cavities
		1100 0		I HOLD I.U	. Decay C.	455 (1-5)	10. UI CATILICS	Heigh	tand type of Cavities
Stick Nests:		Co D-	ntains lar Y* / ⊡-N	rge stick ne / □-Unkno	ests? own, no acces	ss (*if yes, c	describe in tabl	e belov	v)
STICK NEST(S) IDEN		Tree ID	Tro	e Spp.	Nest Size	Dhoto No	- C-n (	`L.,,,,,	TTY. T
ULIVE		I ree ID	1166	Spp.	Mest Size	Photo No.	Spp. C	Dserve	ed Using Feature
Seeps/Springs/Ver	rnal Pools	i: Co	ntains se Y* / ဩ-N	eps/spring /  -Unknc	s/vernal pools	s? ss (*if yes, c	describe in table	e belov	v)
SEEP / SPRING / VEF	RNAL POO	L FEATURE(S)	IDENTI	FIED					
UTM	Feat	ure No. & Type	Feature (Diame	: W	Vater Depth	Photo No.	Sub/Emergen Spp. Prese		Shrubs/ Logs at Edge Present?
SPECIES & HABITA	Γ OBSERVA	ATIONS (list sp	ecies and	type of obs	ervation & in	dicate on m	ap)		5 =
	·								

		Stantec Con 1 – 70 South Guelph, ON Canada N10 Tel: (519) 83 Fax: (519) 83	gate Drivi 3 4P5 3-6050		Woodla	oadside ELC nd & Wildlife sessment Fo	Habitat
	Project Number:	16095	502	69	Project Name:	NRWCE	LC
	Date:	26 -	Sine	2012	Field Personnel:		me.
Nea	ther Conditions:	TEMP (°	C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs)
					POLYGON DES	CRIPTION	
					TOPOGRAPHIC F	EATURE	HISTORY
	ELC	POLYGON:	8-	1	☐ LACUSTRINE ☐ RIVERINE —☐ BOTTOMLAND	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR	CHNATURAL CULTURAL
DE	COMMUNITY	END TIME:	13	:36	☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	150 A
DE	COMMUNITY SCRIPTION &	END TIME:	13	:36	U VALLEY SLOPE DATABLELAND D ROLL. UPLAND	☐ BEACH / BAR ☐ SAND DUNE	
DE	COMMUNITY ESCRIPTION & T ASSIFICATION	END TIME:	13	SPEC	□ VALLEY SLOPE □ TÁBLELAND □ ROLL. UPLAND □ CLIFF  ES IN ORDER OF I	☐ BEACH / BAR ☐ SAND DUNE	
DE CL	COMMUNITY ESCRIPTION & ASSIFICATION AND DESCRIP	END TIME:	13	SPEC	UVALLEY SLOPE STABLELAND ROLL. UPLAND CLIFF ES IN ORDER OF DATER THAN; >GRE	DECREASING DOM	
DE CL	COMMUNITY ESCRIPTION & ASSIFICATION AND DESCRIP	TION: HT	13	SPEC	□ VALLEY SLOPE □ TÂBLELAND □ ROLL. UPLAND □ CLIFF  ES IN ORDER OF I ATER THAN; >GRE	DECREASING DOMINATER THAN; = ABO	
DECL ST/	COMMUNITY ESCRIPTION & ASSIFICATION AND DESCRIP LAYER CANOPY	TION: HT	13	SPECI (>>MUCH GRE	UVALLEY SLOPE STABLELAND ROLL UPLAND CLIFF  ES IN ORDER OF DATER THAN; >GRE ATER THAN; >GRE ATER THAN; >GRE ATER THAN; >GRE	DECREASING DOMINATER THAN; = ABI	OUT EQUAL TO)
DE	COMMUNITY ESCRIPTION & ASSIFICATION  AND DESCRIP LAYER CANOPY SUB-CANOPY	TION: HT 2 Y 45	13 13 cvr 2 2 4	SPECI (>> MUCH GRE SALIX S SALIX S TYPANG	ES IN ORDER OF DATE THAN; >GRE   COLUMN THAN COLUMN TH	DECREASING DOMINATE THAN; = ABOUNDED TO THE COMMENT OF THE COMMENT	MACK ANA PLAN
DECL STA 1 2 3 4	COMMUNITY ESCRIPTION & ASSIFICATION  AND DESCRIP LAYER CANOPY SUB-CANOPY UNDERSTORE	TION:  HT  2  Y 45  1=>25m	CVR 2 9 4 3 2=10<	SPECI (>>MUCH GRE SALIX S SALIX S TYPANG TYPANG (TS25m 3=2<+TS1	UVALLEY SLOPE STÂBLELAND ROLL UPLAND CLIFF  ES IN ORDER OF DATER THAN; > GRE  ATER T	DECREASING DOMINATER THAN; = ABOUNDERS   SOLUTION   SOL	OUT EQUAL TO)  MACK ANA PLAN  0.5m 7=HT<0.2m
DECL 3 4	COMMUNITY ESCRIPTION & ASSIFICATION  AND DESCRIP LAYER CANOPY SUB-CANOPY UNDERSTORE GRD. LAYER CODES:	TION:  HT  2 ( 3 Y 45 C-1 1=>25m 0=NONE	CVR 2 9 4 3 2=10<	SPECI (>>MUCH GRE SALIX SA SALIX SA TYPANG TYPANG (TS25m 3=2 <hts1 *CVRS10% 2=10&lt;</hts1 	UVALLEY SLOPE STÂBLELAND ROLL UPLAND CLIFF  ES IN ORDER OF DATER THAN; > GRE  ATER T	DECREASING DOMINATER THAN; = ABI	OUT EQUAL TO)  MACK ANA PLAN  0.5m 7=HT<0.2m
DECL ST/ 1 2 3 4 ST/	COMMUNITY ESCRIPTION & ASSIFICATION  AND DESCRIP LAYER CANOPY SUB-CANOPY UNDERSTORE GRD. LAYER CODES:	TION:  HT  2 ( 3 Y 45 C-1 1=>25m 0=NONE	CVR 2 2 14 3 2=10<+: 1=0%	SPECI (>>MUCH GRE SALIX SA SALIX SA TYPANG TYPANG (TS25m 3=2 <hts1 *CVRS10% 2=10&lt;</hts1 	U VALLEY SLOPE  STÂBLELAND  CRIFF  ES IN ORDER OF DESTRUCTION  ATER THAN; >GRE  ATER THAN;	DECREASING DOMING THE PROPERTY OF THE PROPERTY	OUT EQUAL TO)  MACA  ANA PLAN  0.5m 7=HT<0.2m  /O=not observed

Evidence of Disturbance / Notes:

COMPLEX

Frogs present in wetland (river not moving)

CODE:

BUNDANCE CODES: N=NONE R=RARE O=		LA	DISTANCE	CHARLE AN			
SPECIES CODE	11	2	3	4	≤5 m	>5 m	COLI
REES:			Mark 1		THE RESERVE		
SAI NIGR	A	A	0	N	A	A	
	D	A	0	N	A	A	
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PARQUIN	X	M	0	0	A	0	
SOLCANA	7	N	0	0	0	8	
CALCANA	N	Ď	10	A	D	1/28	
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		72			125		

(Project Manager)

(Field Personnel)

Extent of Physical I	nvestigatio	n of Feature:	□-Entire / □-Partial, walk through polygon (indicate on map)								
Reptile / Bat Hibe	ernacula F	[i bi C	I-Y* / ፭-Ñ .e. features t ridge abutmo ontains po I-Y* / ☑-Ñ	/ D-Unknehat would pents or culvential bar / D-Unkneh	provide a route un erts with cracks/ t hibernacula f	ss (*if yes, conderground, inderground, in entry points, indeed to be seen that the se	lescribe in table neluding buried o	oncrete d	or rock (e.g. foundations, nactive animal burrows)]		
POTENTIAL HIBE	RNACULA	FEATURE(S) I	DENTIFIE	D	dinosci minos c	n carea <sub>j</sub>					
UTM		F	eature Desc	cription		Photo No.	Spp. O	bserved	Using Feature		
Bat Roosting Fea	itures:	Contains pot □-Y* / ଢ-Ñ / [i.e. tall trees	□-Unknov	vn, no acc	cess (*if yes, d	lescribe in t	able below)	10m híg	jh in tree]		
POTENTIAL BAT F											
UTM	Tree ID	Tree Spp.	DBH	Photo N	o. Decay Cl	ass (1-5)	No. of Cavities	Height	and Type of Cavities		
						5					
Stick Nests: STICK NEST(S) IDI	ENTIFIĘD		m <sup>U</sup> t – Li	/ □-Unkn	own, no acces	ss (*if yes, o	describe in tabl				
utm	11	Tree ID	Tree	Tree Spp. Nest Size			o. Spp. Observed Using Feature				
Seeps/Springs/V		<u> </u>	1-Y*/@ <del>/</del> N	/ 🗆-Unkn	gs/vernal pool lown, no acces	s? ss (*if yes, o	describe in tabl	e below	)		
SEEP / SPRING / VI	ERNAL PO	OL FEATURE(S					6.10	7			
UTM	Fe	ature No. & Typ	e Feature (Diam	1 1	Water Depth	Photo No.	Sub/Emerger Spp. Preso		Shrubs/ Logs at Edg Present?		
					100						
				at i	+ 7 ×						
SPECIES & HABIT	AT OBSER	VATIONS (list s	pecies and	type of ob	servation & in	dicate on m	ap)				
SPECIES & HABITA	41 OBSER	VATIONS (list s	pecies and	type of ou	servation & in	dicate on m	ар)				

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Stantec Consulting Ltd. 1 - 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050

Fax: (519) 836-2493

## Roadside ELC, **Woodland & Wildlife Habitat Assessment Form**

PARTIE FOR C								
Project Number:	160950	269	Project Name:	NRWC	ELC			
Date:	26 June	2012	Field Personnel:	A. Ducharme				
ther Conditions:	TEMP (°C):	wind:	CLOUD:	PPT:	PPT (in last 24 hrs			

		POLYGON DESCRIPTION					
ELC		TOPOGRAPHIC FEATURE	HISTORY				
	POLYGON: 8-3	☐ LACUSTRINE ☐ TALUS ☐ RIVERINE ☐ CREVICE / CAVI	E CULTURAL				
COMMUNITY	START TIME: 13-30	☐ TERRACE ☐ ROCKLAND ☐ VALLEY SLOPE ☐ BEACH / BAR	LICOLIONAL				
DESCRIPTION & CLASSIFICATION	END TIME: 14'.00	☐ ROLL UPLAND ☐ BLUFF ☐ CLIFF					

#### STAND DESCRIPTION: SPECIES IN ORDER OF DECREASING DOMINANCE LAYER HT CVR (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO) WEALBOY SALNIGE > FAGGRAN CANOPY SUB-CANOPY ALNIGR' UNDERSTOREY **GRD. LAYER** SOLCAND HT CODES: 1=>25m 2=10<HT<25m 3=2<HT<10m 4=1<HT<2m 5=0.5<HT<1m 6=0.2<HT<0.5m 7=HT<0.2m **CVR CODES:** 0=NONE 1=0%<CVR<10% 2=10<CVR<25% 3=25<CVR<60% 4=CVR>60% N/O=not observed STANDING SNAGS: 10 - 2425 - 50**ABUNDANCE CODES:** N=NONE R=RARE O=OCCASIONAL A=ABUNDANT N/O=Not observed

**✓**MATURE OLD GROWTH STAND MATURITY: PIONEER YOUNG MID-AGE **VEGETATION TYPE:** CODE: Deciduous Forest COMPLEX CODE:

**Evidence of Disturbance / Notes:** 

LAYERS: 1=CANOPY >10m ABUNDANCE CODES: N=NONE	2=SUB-CANOPY		4=GROUND (GRD.) LAYE D=DOMINANT N/O=Not of	
SPECIES CODE		LAYER	DISTANCE FROM RD.	COLL

ABUNDANCE CUDES: N=NONE R=RARE	U-UCCASI		YER	JANI L	DISTANC		
SPECIES CODE		2	3	4	≤5 m	>5 m	COLL
TREES:							163
SALNIGR	A	A	Ó	N	8	N/0	
FAGGRAN FRAAMER TILAMER	0	0	N	N			
FRAAMER	12	R	N	N	R		
TILAMER	N	R	N	N.	P		
2 16 11 0 0	A CONTRACTOR	-	()		1	11	
QUEALBA	10	D	3	N	0	1-1/-	
BALIX Sp.	0	0	0	12	0	-	
		broken atte					
ALIA PA							nn mysavsen
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	1 2	Quality Control: This form is complete - & legible -
Signature:	Bill	Signature:
4	(Field Personnel)	(Project Manager)

ELC Polygon: #\[ \]	3 Asse	ssment Type: 🖫	Visual; no	o access / [	⊒-Walk thro	ugh feature			
Extent of Physical II	nvestigatio	n of Feature: □-	Entire / C	I-Partial, wa	alk through p	oolygon <i>(inc</i>	licate on map)		
Reptile / Bat Hibe	ernacula I	i.e li.e brù Co u-	Y* / \(\omega - \text{N}\). features to dige abutmo intains po Y* / \(\omega - \text{N}\)	/ □-Unknow hat would pro ents or enliver tential bat h / □-Unknow	wide a route u ts with cracks/ nibernacula	ss (*if yes, omderground, /entry points, features? ss (*if yes, o	describe in table including buried of	onerete vices or i	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBEI	RNACULA	FEATURE(S) ID	ENTIFIE	D				- 37-1	
UTM		Fea	ature Desc	cription		Photo No.	Spp. C	bserve	d Using Feature
Bat Roosting Fea	atures:	Contains pote □-Y* / ⊡-N / □ [i.e. tall trees v	1-Unknov	vn, no acce	ss (*if yes, c		table below)	10m híg	gh in tree]
POTENTIAL BAT R									
UTM	Tree IE	Tree Spp.	DBH	Photo No.	Decay C	lass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
Stick Nests:		Co	ontains la Y* / ☑-N	rge stick ne / 🗆-Unkno	sts? wn, no acce	ss (*if yes,	describe in tabl	le belov	v)
STICK NEST(S) IDI	ENTIFIED	T. 15		^	1 22 . 01	4			
UTM		Tree ID	Tree	Tree Spp. Nest Si		Photo No	). Spp. (	Jbserve	d Using Feature
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Seeps/Springs/Vo		<b>U</b> -	Y* / 🖭 - N	/ D-Unkno	s/vernal poo wn, no acce	ls? ss <i>(*if yes</i> ,	describe in tabl	e belov	v)
SEEP / SPRING / VE			Footur			1	Sub/E-mana	n + \$7 n m	Chambel I are at Eday
UTM	Fe	ature No. & Type	Feature (Diam		ater Depth	Photo No.	Sub/Emerger Spp. Prese	ent?	Shrubs/ Logs at Edge Present?
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CDECIEC & HADIT	A T. ODGED	WATIONS (II.4							
SPECIES & HABITA	AT OBSER	VATIONS (list sp	ecies and	type of obse	ervation & ii	idicate on m	iap)		
		A I							

y	Stantec	Stantec Con: 1 – 70 Southo Guelph, ON Canada N1G Tel: (519) 836 Fax: (519) 83	pate Drive 4P5 5-6050		Woodla	Roadside ELC, Woodland & Wildlife Habitat Assessment Form					
Pr	roject Number:	1609	502	69	Project Name:	NRUC EL	C				
	Date:		ure	2012	Field Personnel:						
Weath	er Conditions:	TEMP (%	· 1	WIND.	CLOUD:	PPT:	PPT (in last 24 hrs):				
				J	POLYGON DES	CRIPTION					
					TOPOGRAPHIC F	EATURE	HISTORY				
CO	POLYGON: 3-4  START TIME: 13:30  END TIME: 14:00				☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	NATURAL				
STAN	ID DESCRIP	TION:				- 2					
	LAYER	нт	CVR		CIES IN ORDER OF DEATER THAN; >GRE						
1	CANOPY	1,000	-	*****							
<del>-</del>	SUB-CANOP		4	POPTR	EM 27Q	UEALBA.	> SALIX				
	JNDERSTORE		4	grass o	φ						
4	GRD. LAYER	100 1	41		IA = grass		0.5 3-4(7-0.6				
CVR C	ODES:				:10m 4=1 <hts2m 5="0&lt;br">:CVRs25% 3=25<cvrs< th=""><th></th><th></th></cvrs<></hts2m>						
STAN	DING SNAGS:			2 <10	N 10-24	25 - 50	N >50				
ABUNE	DANCE CODES:		N=	NONE R=RAF	RE O=OCCASIONAL	A=ABUNDANT N	/O=Not observed				
	D MATURITY:			YOUNG	MID-AGE	MATURE	OLD GROWTH				
VEGE	TATION TYPE	Decido	lous	Forest	Hedgerow	CODE: HOD /	FOD				

CODE:

COMPLEX
Evidence of Disturbance / Notes:

Hedgeron within field

SPECIES CODE	可的物的	LA	ÆR.	19 Kills	DISTANCE	FROM RD.	COLL
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2 2-		Quality	y Contro	ol:This fo	rm is comple	te 🖽 & legibl	e 🖰
Signature:			ignatur			7 2	
Signature: (Field Personnel)		Si	ignatur	B:	(Project	Manager)	

ELC Polygon: # $\S$ -	Assess	sment Type: ╚-\	/isual; no	o access /	/ <b>Q</b> -	Walk throu	igh feature	9					
Extent of Physical Inv	- /estigation	of Feature: 🗅-E	Entire / □	<b>]</b> -Partial, v	walk	through p	olygon <i>(in</i>	dicate on map)					
Reptile / Bat Hiber	□-\ fi.e. brid Cor □-\	Contains potential reptile hibernacula features?  -Y*/ -N/ -Unknown, no access (*if yes, describe in table below)  [i.e. features that would provide a route underground, including buried concrete or rock (e.g. foundations, bridge abutments or culverts with cracks/entry points, exposed rock crevices or inactive animal burrows)]  Contains potential bat hibernacula features?  -Y*/ -N/ -Unknown, no access (*if yes, describe in table below)  [i.e. karst topography, abandoned mines or caves]											
	POTENTIAL HIBERNACULA FEATURE(S)												
UTM		Fea	Feature Description				Photo No	o. Spp. O	bserved	l Using Feature			
			*										
Bat Roosting Feat			-Unknovith open	wn, no acc surround	cess	s (*if yes, d	lescribe in icm, side-	table below) facing cavities ~	10m hiç	gh in tree]			
UTM	Tree ID	Tree Spp.	DBH	Photo N	lo.	Decay Cl	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities			
						2000	19		110.5.	tund Type of Carretes			
										*			
Stick Nests:	I	Coi	ntains la	rge stick r	nest	s?			!				
1		D-\	/* / <u>OP-</u> N	/ □-Unkn	nowr	n, no acces	ss (*if yes,	describe in tabl	e belov	y)			
STICK NEST(S) IDE		T ID	T	. 6	i	N 4 C'	PM	. 1					
UTM		Tree ID	Tree Spp. Nest			Nest Size	Photo No. Spp. (		)bserve	d Using Feature			
			-					MINISTER II					
Seeps/Springs/Ve	rnal Pools	S: Cor	ntains se	eps/sprin	gs/v	ernal pool	s? ss (*if ves.	describe in tabl	e belov	<i>y</i> )			
SEEP / SPRING / VEI	RNAL POO						( )						
UTM	Feat	ure No. & Type	Featur (Diam		Wat	ter Depth	Photo No	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?			
L													
SPECIES & HABITA	T OBSERV	ATIONS (list spe	cies and	type of ob	serv	vation & in	dicate on	map)					
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		47											
(CA	Louis montes (CT)	fasting and langu	1.37-10-11-11	her de UA	Lave	. (1 OD	1 1 (1	23	1 122.5				

TA
Stantec

Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050

HT CVR

## Roadside ELC, Woodland & Wildlife Habitat Assessment Form

Stantec	Fax. (519) 636-2493	
Project Number:	160950269	Project Name: NRWC ELC
Date:	26 June 2012	Field Personnel: A. Ducharme
		P

Weather Conditions:	
---------------------	--

TEMP (°C): WIND: CLOUD: PPT: PPT (in	
	n last
22 light	

#### **POLYGON DESCRIPTION**

SPECIES IN ORDER OF DECREASING DOMINANCE

		TOPOGRAPHIC FE	EATURE	HISTORY
ELC	POLYGON: $8-5$	D RIVERINE	CREVICE / CAVE	□ NATURAL
COMMUNITY	START TIME: [4:00	TERRACE VALLEY SLOPE	□ ROCKLAND □ BEACH / BAR	⊡ CULTURAL
DESCRIPTION & CLASSIFICATION	END TIME: 14-30	Jenn 11, 10, 00, 00, 11, 10, 11, 11, 11, 11,	□ SAND DUNE □ BLUFF	4 11

## STAND DESCRIPTION:

COMPLEX				CODE:						
VE	VEGETATION TYPE: Déciduous Forest CODE: FOD									
ST	AND MATURITY:	PIONEER		YOUI	NG	MID-AGE	MATURE		OLD GROWTH	
ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT N/O=Not observed						nt observed				
STANDING SNAGS:										
CVR CODES: 0=NONE 1=0% <cvr<10% 2="10&lt;CVR&lt;25%" 3="25&lt;CVR&lt;60%" 4="CVR">60% N/O=not observed</cvr<10%>										
HT CODES: 1=>25m 2=10 <hts2bm 3="2&lt;HTs10m" 4="1&lt;HTs2m" 5="0.5&lt;HTs1m" 6="0.2&lt;HTs0.5m" 7="HT&lt;0.2m&lt;/th"></hts2bm>										
4	GRD. LAYER	6-7	3	0.0	Ses					
3	UNDERSTOREY	4-5	3	Su	SUGNIGRY ROBPSTERIZEHUTIPH					
2	SUB-CANOPY	3	4	JUGNIGRY ACECAKA -SALNIGR						
1	CANOPY	ス	Ч	SALNIGAT ACESASAY GUEMACR						
				11010		ATER THAN; >GR	EATER MAIN, " /	70001	LCOAL TO)	

#### Evidence of Disturbance / Notes:

Fresh-moist Sugar maple - black walnut deciduous forest?

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER
ABUNDANCE CODES: N=NONE R=RARE 0=OCCASIONAL A=ABUNDANT D=DOMINANT N/O=Not observe

ABUNDANCE CODES: N=NONE R=RARE O=	OCCASI		YER	DISTANC	100000000000000000000000000000000000000		
SPECIES CODE	11%	2	3	4	≤5 m	>5 m	COLL.
TREES:  QUEMACR FAGORAN  ACESASA  SUGNIGR  SALNIGR  TILCORD	0000	00000	2 2040 2	272222	000000000000000000000000000000000000000	W/0	
SHRUBS: CORRACE RHYTYPH ROBPSEU	222	202	0000	L R R	0000	NIO	
GROUND:		2	0	0	D	0	

	1 0	Quality Control:This for	orm is complete 2 & legible 2.
Signature:	Hilla	Signature:	
_	(Field Personnel)		(Project Manager)

ELC Polygon: # 8	S Ass	essment Type:	<b>9</b> -V	isual; no	acces	s / 🗆-	-Walk throu	gh feature	9		T. 1864
Extent of Physical In	 ivestigati	on of Feature:	Q-E	ntire / 🗆	l-Partial	, wall	k through p	olygon <i>(in</i>	dicate on map		
Reptile / Bat Hibernacula Features:  POTENTIAL HIBERNACULA FEATURE(S			[i.e. f bridge Configure 1.e. f f f f f f f f f f f f f f f f f f	*/G-N / catures the abutme tains por */G-N / caust topo	/ D-Unker at would not sor out tential be / D-Unker apply, a	(now) I prov Iverts oat hil	ide a route ur with cracks/e bernacula fe	s (*if yes, aderground, entry points eatures? s (*if yes,	describe in tal	concrete evices or	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBER UTM	RNACUL	A FEATURE(S	) IDENTIFIED  Feature Description				Photo No	Snn.	Observe	d Using Feature	
					- Iption			1 1000 100	у орр.	0000110	a completene
			-A-R-41				***************************************				
Bat Roosting Fea		[i.e. tall tre	v / □- es wi	Unknov th open	vn, no a surrour	cces	s (*if yes, d		table below)	~10m hí	gh in tree]
POTENTIAL BAT R UTM	OOSTING Tree I			NTIFIE DBH	D Photo	No	Decay Cla	200 (1.5)	No. of Cavities	Unich	t and Type of Cavities
UIM	11ee I	D Hee Sp	φ.	рып	rnoto	140.	Decay Ci	488 (1-5)	No. of Cavities	neign	t and Type of Cavities
	i										
Stick Nests:	4		Con	tains lar	ae stick	nest	ls?			!	
			□-Y	*/9-N	Ĭ □-Unl	know	n, no acces	s (*if yes,	describe in tal	le belov	v)
STICK NEST(S) IDE UTM	NTIFIED	Tree ID	T	Tree	Spp.		Nest Size	Photo N	o Spp	Ohearya	ed Using Feature
0 1111		TICO RIS		1100	орр.		Trest BIZE	Thoton	о. зрр.	Obscive	d Using Peacure
											1-2-4M88104101111111111111111111111111111111
Seeps/Springs/Ve	rnal Po	ols:	Con	tains se	eps/spr	ings/	vernal pool	s?	describe in tal	ole helos	w)
SEEP / SPRING / VE	RNAL PO	OOL FEATUR				KIIOW	ii, iio acces	is ( II yes,	describe in tal	ne belov	v)
UTM	F	eature No. & T	ype	Feature (Diame		Water Depth		Photo No	Sub/Emerg Spp. Pre		Shrubs/ Logs at Edge Present?
		Manual Control of the									
				· · · · · · · · · · · · · · · · · · ·							
SPECIES & HABITA	T OBSE	RVATIONS (lis	t spec	ies and	type of	obser	vation & in	dicate on	map)		
								. 1			
									}		

CA=carcass; DP=distinctive parts; FE=feeding evidence; FY=eggs/nest; HO=house/den; OB=observed; SC=scat; SI=other sign; TK=track; VO=vocalization

(b)	(A)
1315	B
	Chamban

Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493

## Roadside ELC, Woodland & Wildlife Habitat Assessment Form

LAYERS: 1=CANOPY >10m

Signature: /

(Field Personnel)

2=SUB-CANOPY

3=UNDERSTOREY

4=GROUND (GRD.) LAYER

Project Number:	1609502	-69	Project Name:	NRUCE	LC
Date:	26 June	2012	Field Personnel:	A. Ducho	ime
her Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):

#### POLYGON DESCRIPTION

		TOPOGRAPHIC F	EATURE	HISTORY
ELC	POLYGON: 8 - 6	RIVERINE	CREVICE / CAVE	NATURAL
COMMUNITY	START TIME: 14:30 END TIME: 15:60	D TERRACE D VALLEY SLOPE D TABLELAND	☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	B-CULTURAL

#### STAND DESCRIPTION:

	LAYER	НТ	CVR	(>>MU			EATER THAN; =	ABOUT EQUAL TO)			
1	CANOPY	2-3	4	POP	TREM						
2	SUB-CANOPY	1-1-1	1								
3	UNDERSTOREY	_	<u>, , , , , , , , , , , , , , , , , , , </u>								
4	GRD. LAYER	6-7	4	900	155e5						
HT	HT CODES: 1=>25m 2=10 <ht<25m 3="2&lt;HT&lt;10m" 4="1&lt;HT&lt;2m" 5="0.5&lt;HT&lt;1m" 6="0.2&lt;HT&lt;0.5m" 7="HT&lt;0.2m&lt;/th"></ht<25m>										
CVI	CVR CODES: 0=NONE 1=0% <cvr≤10% 2="10&lt;CVR≤25%" 3="25&lt;CVR≤60%" 4="CVR">60% N/O=not observed</cvr≤10%>										
ST	ANDING SNAGS:			R	<10	P 10-24	25 - 50	N >50			
ABI	INDANCE CODES:		N	=NONE	R=RARE	O=OCCASIONAL	A=ABUNDANT	N/O=Not observed			
ST	AND MATURITY:	PIONEER		YOUN	3	MID-AGE	L MATURE	OLD GROWTH			
VE	VEGETATION TYPE: Hedgoon - Fresh-moist Poplar Deciduous Forest CODE: Ho D / FOD 8-1										
	COMPLE	X		CODE:							

Evidence of Disturbance / Notes:

Could be CUP 1-4? (Hybrid-poplar Deciduous Plantation Type)

ABUNDANCE CODES: N=NONE R=RARE O=(		LAY	/ER		DISTANCE	<b>心 亞里斯語</b> 和	
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
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	7	SZEMEG		D		DESILUATION OF	11721008
grasses	1,4		1				
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****				l	1	<u> </u>	
		Quality	y Contro	l:This fo	rm is comple	te 🖳 & Tegib	le 🖳

W/vesource/Internal Info and Teams/FIELD FORMS/Vegelation/ELC/roadside-etc-woodland-wildlife-habitat-form doc/ / (DERIVED FROM LEF ET A)	1998

Signature:

(Project Manager)

ELC Polygon: # 8								licate on map)		
Reptile / Bat Hiber	res: Co	□-Entire / □-Partial, walk through polygon (indicate on map)  Contains potential reptile hibernacula features? □-Y* / □-N / □-Unknown, no access (*if yes, describe in table below) [i.e. features that would provide a route underground, including buried concrete or rock (e.g. foundations. bridge abutments or culverts with cracks/entry points, exposed rock crevices or inactive animal burrows)] Contains potential bat hibernacula features? □-Y* / □-N / □-Unknown, no access (*if yes, describe in table below) [i.e. karst topography, abandoned mines or caves]								
POTENTIAL HIBER	NACULA	A FEAT								
UTM			Fea	ture Desc	cription		Photo No.	Spp. O	bservec	l Using Feature
Bat Roosting Feat		[i.e	. tall trees v	3-Unknov vith open	vn, no acce surroundin	ss (*if yes, d		rable below) acing cavities ~	10m hiç	gh in tree]
POTENTIAL BAT ROUTM	Tree I	······································	Tree Spp.	DBH	Photo No.	Decay Cl	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
O I IVI	11001		тес Брр.	DDII	I HOLO IVO	Decay Ci	ass (1-5)	140. Of Cavities	meign	tand Type of Cavities
	<u> </u>									
Stick Nests:			Co	ntains la Y* / 🗹-N	rge stick ne / □-Unkno	sts? wn, no acces	ss (*îf yes, d	describe in tabl	e belov	v)
STICK NEST(S) IDE	NTIFIED		ID			N . C	In a nr			
UTM		Tree	e ID	Tree Spp. Nest Size			Photo No	. Spp. C	Dbserve	d Using Feature
·										
Seeps/Springs/Ve	rnal Po	ols:	Co	ntains se Y* / ⊡∠Ñ	eps/springs	s/vernal pool	ls? ss (*if ves. o	describe in tabl	e belov	v)
SEEP / SPRING / VE	RNAL PO	OOL FE								7
UTM	· F	eature	No. & Туре	Feature Size (Diameter) Water		ater Depth	Photo No.	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
SPECIES & HABITA	T OBSE	RVATIO	ONS (list en	ecies and	type of obse	rvation & in	dicate on m	an)		
OI ECIES & HABITA	TOBSE	KV/AII	Orto (nat ap	celes and	type of obs	a vacion & in	ulcate on in	ap)		
		2000								
					19					
			1.5							
					•					

CA=carcass: DP=distinctive parts: FE=leeding evidence: FY=eggs/nest: HO=house/den; OB=observed: SC=scat; SI=other sign: TK=track: VO=vocalization

	Stantec	Stantec Con 1 – 70 Soult Guelph, ON Canada N1 Tel: (519) 83 Fax: (519) 8	ngate Driv G 4P5 86-6050		Roadside ELC, Woodland & Wildlife Habitat Assessment Form						
	Project Number:	1609	50	269	Project Name: NRWC ELC						
	Date:	26	Sun	2 2012	Field Personnel:	A. Duche	arme				
Wea	Weather Conditions: TEMP (°C):			WIND: light	CLOUD:	PPT:	PPT (in last 24 hrs):				
		·			POLYGON DES	CRIPTION					
					TOPOGRAPHIC F	EATURE	HISTORY				
	ELC	POLYGON Start tin	δ- IE: .	7-	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR	D NATURAL E CULTURAL				
DI	ESCRIPTION & ASSIFICATION	END TIME:	6 3	7:30	☐ VAŁLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	SAND DUNE					
ST	AND DESCRIP	TION:									
	LAYER	нт	CVR			DECREASING DOM ATER THAN: = AB					
1	CANOPY	122	-		^						
2	SUB-CANOP	1 3	4	THUOC	C1 > PT	NSTRO					
3	UNDERSTORE	Υ —	<u></u>		•						
4	GRD. LAYER										
	CODES: R CODES:					.5 <ht≤1m <b="">6=0.2<ht≤ ≤60%_4=CVR&gt;60%_N</ht≤ </ht≤1m>					
ST	ANDING SNAGS			R <10	N 10-24	25 - 50	>50				
ABL	JNDANCE CODES:		N	I=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N	O=Not observed				
ST	AND MATURITY:	PIONEE	R	YOUNG	MID-AGE	MATURE	OLD GROWTH				
VE	GETATION TYPE	fedgera	J −C	onitorous F	Forest	CODE: HOC/FO	oc .				
	COM	PLEX				CODE:					
Evi	idence of Distu	rbance /	Notes:				<del></del>				
5 W	asino oi bisti				_						
		-1	2000	stind	VO1 Ni	15.					

-trees lived in rows.
-could also be CUP3
(conitrous plantation)

ABUNDANCE CODES: N=NONE R=RAI	PART AND			/ER		DISTANCE	FROM RD.	
SPECIES CODE		1 1	2	3	4	≤5 m	>5 m	COLI
REES:					海等等	IBES NO		9,888
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Signature:	A: 22_	Quality Control:This form is complete ∰ & legible ဩ. Signature:							
11.	(Field Personnel)	(Project Manager)							
	(18.878.887.89)	(Figure Manager)							

7 Asses	sment Type: 🖭	-Visual; no	o access / 🗆	-Walk throu	igh feature	9					
– vestigation	n of Feature: □-	-Entire / 🗆	J-Partial, wa	k through p	olygon (in	ndicate on map)					
	□- [i.e bri Co □- [i.e	Contains potential reptile hibernacula features?  —Y*/ —N/ —-Unknown, no access (*if yes, describe in table below)  [i.e. features that would provide a route underground, including buried concrete or rock (e.g. foundations, bridge abutments or culverts with cracks/entry points, exposed rock crevices or inactive animal burrows)]  Contains potential bat hibernacula features?  —Y*/ —N/ —-Unknown, no access (*if yes, describe in table below)  [i.e. karst topography, abundoned mines or caves]									
NACULA		<del></del>				Photo No. Spp. Observed Using Feature					
		reacure Description									
	i.e. tall trees	□-Unknov with open	wn, no acces surrounding	s (*if yes, d			10m hig	h in tree]			
1	<del> </del>	DBH	1	Decay Cl	ass (1-5)	No. of Cavities	Height	and Type of Cavities			
	Co	ontains la -Y* / G-N	rge stick nes / □-Unknow	ts? /n, no acces	ss (*if yes,	describe in tabl	e below,	)			
NTIFIED	Tree ID	Tree	Spp.	Nest Size	Photo N	o. Spp. C	Observed	Using Feature			
rnal Poo	ls: Co	ontains se	eps/springs/	vernal pool	s? ss (*if yes,	describe in tabl	e below,	)			
		Featur	e Size W	nter Depth	Photo No			Shrubs/ Logs at Edge Present?			
T OBSER	VATIONS (list sp	pecies and	type of obser	rvation & in	dicate on	map)					
							*				
	NACULA  NACULA  Tree ID  NTIFIED  Treal Pool	rnacula Features: Co    [i.d.       [i.d.       [i.d.       [i.d.       [i.d.       [i.d.       [i.e.       [i.e.	rnacula Features: Contains por ential bat results and the Contains portential bat results are contains ar	restigation of Feature: □-Entire / □-Partial, wai  restigation of Features: Contains potential reptile □-Y* / □-N / □-Unknow [i.e. features that would provide abutments or culverts Contains potential bat hi □-Y* / □-N / □-Unknow [i.e. karst topography, aband  NACULA FEATURE(S) IDENTIFIED  Feature Description	rnacula Features: □-Entire / □-Partial, walk through pracula Features: Contains potential reptile hibernacula	Tracula Features: □-Entire / □-Partial, walk through polygon (in the process) and the polygon of the polygon o	G-Y*   G-N   G-N   G-Unknown, no access (*if yes, describe in table [i.e. features that would provide a route underground, including huried obridge abutments or culverts with cracks/entry points, exposed rock creve Contains potential bat hibernacula features?   G-Y*   G-N   G-Unknown, no access (*if yes, describe in table [i.e. karst topography, abandoned mines or caves]   NACULA FEATURE(S) IDENTIFIED   Feature Description   Photo No.   Spp. 0   Spp. 0   G-Y*   G-N   G-Unknown, no access (*if yes, describe in table below)   Gi.e. tall trees with open surroundings, DBH >25cm, side-facing cavities ~ DOSTING FEATURE(S) IDENTIFIED   Tree ID   Tree Spp.   DBH   Photo No.   Decay Class (1-5)   No. of Cavities   G-Y*   G-N   G-Unknown, no access (*if yes, describe in table NTIFIED   Tree ID   Tree Spp.   Nest Size   Photo No.   Spp. 0   Tree ID   Tree Spp.   Nest Size   Photo No.   Spp. 0   Gradins seeps/springs/vernal pools?   G-Y*   G-N   G-Unknown, no access (*if yes, describe in table NTIFIED   G-Y*   G-N   G-Unknown, no access (*if yes, describe in table NTIFIED   G-Y*   G-N   G-Unknown, no access (*if yes, describe in table NTIFIED   G-Y*   G-N   G-Unknown, no access (*if yes, describe in table NTIFIED   G-Y*   G-N   G-Unknown, no access (*if yes, describe in table NTIFIED   G-Y*   G-N   G-Unknown, no access (*if yes, describe in table NTIFIED   G-Y*   G-N   G-Unknown, no access (*if yes, describe in table NTIFIED   G-Y*   G-N   G-Unknown, no access (*if yes, describe in table NTIFIED   G-Y*   G-N   G-Unknown, no access (*if yes, describe in table NTIFIED   G-Y*   G-N   G-Unknown, no access (*if yes, describe in table NTIFIED   G-Y*   G-N   G-Unknown, no access (*if yes, describe in table NTIFIED   G-Y*   G-N   G-	Tracula Features: □-Entire / □-Partial, walk through polygon (indicate on map)  Tracula Features: □-Entire / □-Partial, walk through polygon (indicate on map)  Tracula Features: □-Y* / □-Y*			

CA=carcass: DP=distinctive parts: FE=feeding evidence; FY=eggs/nest: HO=house/den; OB=observed: SC=seat; SI=other sign; TK=track: VO=vocafization

Stantec	Stantec Con 1 – 70 South Guelph, ON Canada N10 Tel: (519) 83 Fax: (519) 83	gate Driv 6 4P5 6-6050		Roadside ELC, Woodland & Wildlife Habitat Assessment Form						
Project Number:	1609	500	269	Project Name:	NRUC	ELC				
Date:	1 0	5 m	2012	Field Personnel:	A. Du	charme				
Weather Conditions:	TEMP (°	C):	wind: Light	CLOUD:	PPT:	PPT (in last 24 hrs)				
			G	POLYGON DES	CRIPTION					
				TOPOGRAPHIC FEATURE HISTORY						
COMMUNITY	POLYGON: START TIM END TIME:	8-	5:30 5:40	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAN ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	NATURAL PECULTURAL				
STAND DESCRIP	TION:									
LAYER	нт	CVR		IES IN ORDER OF DEATER THAN; >GRE						
1 CANOPY		_								
2 SUB-CANOP	Y 3	2	Decido	1045 Trees		,				
3 UNDERSTORE	Y 4-5	4	Drid	1045 Shrub	)ς					
4 GRD. LAYER	(C-7	4	Grasses	> SOLCAN	47 DIPFU	LL				
HT CODES: CVR CODES:	1=>25m 0=NONE			10m 4=1 <ht≤2m 5="0.&lt;br">CVR≤25% 3=25<cvr≤< td=""><td></td><td></td></cvr≤<></ht≤2m>						
STANDING SNAGS	:		R <10	R 10-24	25 - 50	>50				
ABUNDANCE CODES:		N	=NONE R=RAR	E O=OCCASIONAL	A=ABUNDANT	N/O=Not observed				
ABOILDANCE CODES.			110/12 11-1041		** ************************************	140-1401 00001400				

CODE:

COMPLEX

Evidence of Disturbance / Notes:

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER

ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ARLINDANT D=DOMINANT N/O=Not observe

ABUNDANCE CODES: N=NONE R=RARE O=	OCCAS	IONAL A	\=ABUN YER	DANT	D=DOMINAN DISTANCE	SHIP THE	
SPECIES CODE	1	2	3	4	≤5 m	>6 m	COLL.
TREES:							E PRES
Deciduous trees (difficult to see)		0	A	R	2	A	
SHRUBS:  Deciduons Strubs  (lifficult to See)		2	P	O	0	D	
GROUND:			N	A	A		
SOLCANA Grasses BIPFULL		222	7	AR	DO	8	
						_	

Signature:	10	Quality Control:This form is complete  (legible )
	1-13/1	Signature:
	(Field Personnel)	(Project Manager)

ELC Polygon: # 🖇	-> Asse	ssment Type:	≌-Visual; n	o access / C	]-Walk throu	ıgh feature					
Extent of Physical I	nvestigatio	n of Feature:	□-Entire / 0	⊒-Partial, wa	ilk through p	olygon <i>(inc</i>	dicate on map)				
Reptile / Bat Hibe	ernacula (		Contains potential reptile hibernacula features?  -Y* / -N / -Unknown, no access (*if yes, describe in table below)  [i.e. features that would provide a route underground, including buried concrete or rock (e.g. foundations, bridge abutments or culverts with cracks/entry points, exposed rock crevices or inactive animal burrows)]  Contains potential bat hibernacula features?  -Y* / -N / -Unknown, no access (*if yes, describe in table below)  [i.e. karst topography, abandoned mines or caves]								
POTENTIAL HIBE	RNACULA	FEATURE(S)	IDENTIFIE	ED							
UTM			Feature Des	cription		Photo No.	Spp. C	bserved	l Using Feature		
Bat Roosting Fea	atures:	0-Y*/04N	/ U-Unkno	roosting feat wn, no acce	ss (*if yes, o	describe in	table below)	10m hid	ah in treel		
POTENTIAL BAT I	ROOSTING										
UTM	Tree II	Tree Sp	DBH	Photo No.	Decay CI	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities		
Stick Nests:  STICK NEST(S) IDI	ENTIFIED		Contains la	rge stick ne √ □-Unknor	sts? wn, no acces	ss (*if yes,	describe in tabl	le belov	y)		
UTM		Tree ID	Tre	e Spp.	Nest Size	Photo No	). Spp. (	Spp. Observed Using Feature			
Seeps/Springs/V			O-Y* / O=K		/vernal pool wn, no acces	s? ss <i>(*if yes</i> ,	describe in tabl	le belov	y)		
SEEP / SPRING / VI UTM	The state of the s	eature No. & Ty	-	e Size	ater Depth	Photo No.	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?		
SPECIES & HABIT	AT OBSER	VATIONS (list	species and	type of obse	rvation & in	dicate on n	ıap)				
£											

CA=carcass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest: HO=house/den; OB=observed: SC=scat; SI=other sign; TK=track: VO=vocalization

TB	Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493				Roadside ELC, Woodland & Wildlife Habitat Assessment Form						
Project Number:	160950269				Project Name: NRWC ELC						
Date:	26 June 2012				Field Personnel: A. Ducharme						
Weather Conditions:	TEMP (°C	):		ND: Ght	C	LOUD:	PPT:	PP	T (in last 24 hrs).		
			POLY	GON DES	CRIPTION						
					TOPOGRAPHIC FEATURE HISTORY						
COMMUNITY	TART TIME	8:19	-9 5:4 5:5	0	□ RIVE □ BOT □ TERI □ VALL □ TABI	TOMLAND RACE LEY SLOPE LELAND L. UPLAND	☐ TALUS ☐ CREVICE / C. ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	AVE 191	NATURAL CULTURAL		
STAND DESCRIPT	ΓΙΟΝ:										
LAYER	нт	CVR	(>>MU		SPECIES IN ORDER OF DECREASING DOMINANCE I GREATER THAN: >GREATER THAN: = ABOUT EQUAL TO)						
1 CANOPY	2-3		FA(	GERAN							
2 SUB-CANOPY											
3 UNDERSTORE	v 4-5	2		ORRACE							
4 GRD. LAYER	6-7	9		grasses > DIPFULL							
HT CODES: CVR CODES:	1=>25m : 0=NONE						.5 <ht≤1m <b="">6=0.2&lt; 60% <b>4=CV</b>R&gt;609</ht≤1m>				
STANDING SNAGS:			1	<10	R	10 – 24	25 - 50	1	>50		
ABUNDANCE CODES:		N:	=NONE	R=RARE	<b>0</b> =00	CCASIONAL	A=ABUNDANT	N/O=N	lot observed		
STAND MATURITY:	PIONEER		YOUN	G	MI	D-AGE	MATURE		OLD GROWTH		

CODE:

CODE:

COMPLEX

Evidence of Disturbance / Notes:

VEGETATION TYPE: HEADER-OW - Dry-Moist Old Field Moodow LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER

ARIUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ARIUNDANT D=DOMINANT N/O=Not observe

ABUNDANCE CODES: N=NONE R=RARE O=	T T	LA	YER	DISTANCE			
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL
TREES:	i Maria			- 建筑器			<b>地</b> 维斯
FAGGRAN	0		N	2	2	0	
SHRUBS:							
CORRACE	2		0	4	R	0	
GROUND:							
grasses DIPFULL	727		7 7	D A	A D	D A	

10	Quality Control: This form is complete 2 & legible 2.
Signature: / / / / / / / / / / / / / / / / / / /	Signature:
(Field Personnel)	(Project Manager)

ELC Polygon: #	9 Assessi	ment Type: ╚┹	/isual; no	access / 🗆	I-Walk throu	ugh feature	e		
Extent of Physical In	 vestigation o	of Feature: □-E	Entire / 🗆	I-Partial, wa	lk through p	oolygon (ir	dicate on map)		
Reptile / Bat Hibe	rnacula Fe	□-\ fi.e. brid Cor □-\	(* / □-N features the ge abutmentains po (* / □-N features)	/ □-Unknov hat would pro ents or culvert tential bat h / □-Unknov	vide a route us with cracks/ ibernacula	ss (*if yes, inderground contry points features? ss (*if yes,	describe in table, including buried of	oncrete vices or	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBER	NACULA FI	EATURE(S) IDI	ENTIFIE	D —					
UTM			ture Desc	cription		Photo No	Photo No. Spp. Observed Using Feature		
Bat Roosting Feat		Contains poten □-Y* / ⊡-Ñ / □ [i.e. tall trees w	I-Unknov	vn, no acce	ss (*if yes, c	describe in	table below) facing cavities ~	10m hi	gh in tree]
POTENTIAL BAT R	OOSTING F	EATURE(S) ID	ENTIFIE	CD .					
UTM	Tree ID	Tree Spp.	DBH	Photo No.	Decay C	lass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
Stick Nests: STICK NEST(S) IDE	NTIFIED	Coi	htains lar Y* / ☑∹Ñ	rge stick ne / □-Unknov	sts? wn, no acce	ss (*if yes,	describe in tabl	e belov	v)
UTM			Tree Spp. Nest Si			Photo N	d Using Feature		
Seeps/Springs/Ve		<u> </u>	Y* / 12-N	/ U-Unknow	/vernal poo	ls? ss (*if yes,	describe in tabl	e belov	v)
SEEP / SPRING / VERNAL POOL FEATURE  UTM Feature No. & T		, ,	Footure Size		ater Depth	Photo No	Sub/Emerger Spp. Preso		Shrubs/ Logs at Edge Present?
SPECIES & HABITA	T OBSERVA	ATIONS (list spe	cies and	type of obse	rvation & in	idicate on	map)		
					z a				=
				*- y,					7
CA=carcass: DP=distinc	tive parts: FE=	leeding evidence;	FY=eggs	/nest: HO=ho	use/den; OB=	observed: S	C=scat; SI=other s	ign; TK	=track: VO=vocalization

REV: 2012-01-03

Stantec Project Numbe Date Weather Conditions:	6		2
Date	7	Sta	antec
		Proje	ct Numbe
Weather Conditions:			Dat
	We	ather C	onditions

Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493

# Roadside ELC, Woodland & Wildlife Habitat Assessment Form

Stantec	1 dx. (515) 000-2450				
Project Number:	160950	269	Project Name:	NRWC	ELC
Date:	26 Jun	e 2012	Field Personnel:	A. Dac	harme
ther Conditions:	TEMP (°C):	wind: light	CLOUD:	PPT:	PPT (in last 24 hrs

## **POLYGON DESCRIPTION**

CODE:

	TOPOGRAPHIC FEATURE	HISTORY
ELC POLYGON: 8-10	☐ LACUSTRINE ☐ TALUS ☐ RIVERINE ☐ CREVICE / CAVE ☐ BOTTOMLAND ☐ ALVAR	INATURAL III CULTURAL
COMMUNITY START TIME: 5'.5'	DITERRACE DISCONLAND DIVALLEY SLOPE DISEACH / BAR	
CLASSIFICATION END TIME:	D'TABLELAND D'SAND DUNE ROLL. UPLAND D'BLUFF CLIFF	

### STAND DESCRIPTION:

	LAYER	нт	CVR			DECREASING DO! ATER THAN; = AI	MINANCE BOUT EQUAL TO)
1	CANOPY	2	4	ACESAS	AZFAGGRI	NA	
2	SUB-CANOPY	3-4	.4	RHUTTA	H>FAGG	RANTAC	TS ASA
3	UNDERSTOREY	5-6	3	a rasses	SOLCANI	UIVTIN < A	1=PARQUIN
4	GRD. LAYER	7-8	3	grasses)	> SOLCANA	MUTIUT +	11= PARQUIN
HT CODES: 1=>25m 2=10 <ht<25m 0="NONE" 1="0%&lt;CVR&lt;10%" 2="10&lt;CVR&lt;25%" 3="25&lt;CVR&lt;60%" 4="CVR" 5="0.5&lt;HT&lt;1m" 6="0.2&lt;HT&lt;0.5m" 7="HT&lt;0.2m" codes:="" cvr="">60% N/O=not observed</ht<25m>							
ST	ANDING SNAGS:			R <10	R 10-24	25 - 50	>50
ABI	INDANCE CODES:		N	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT I	N/O=Not observed
ST	AND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH
VEGETATION TYPE: FOSh-Moist Sugar Maple - Hordward Decklist CODE: FOD 6-5							

Evidence of Disturbance / Notes:

COMPLEX

ABUNDANCE CODES: N=NONE R=RARE O=	OCCASIO	ONAL A	YER	DANT I	DISTANC	NT N/O=Not E FROM RD.	observed
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
REES:							
ACESASA	D	A	0	R	A	N/0	
FAGGRAN	A	A	0	R	A	N/0	
		122					
					= 1		_ 1
					- 1		
			110				
				-			
	-						
HRUBS:	e series es	18873	a Envis	1000000			TC (1.4410)
RHUTYPH	12	D	0	R	D	N/O	TANKS I
NOW ITEM	1			4/	1	10/0	
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				-		1 2	
					2 4 1		
					- 5	1 4	
ROUND:	v Cettera	- Available	804 555 55W	NAME OF THE	ALCONOMIC DE LA COLONIA DE LA	11 402/11 wit 24/341	RESERVING.
	1000	IA	A	A	The state of the s	110	(D18 86 4)
grasses VITUINI	N	7	0	0	8	NIO	
GI TANIA	17	N	A	0	Ă		Ш
PARQUIN	17	N	0	0	0	<del>  V</del>	
THE STATE OF THE S		1. 41					
	Ш						
						H	
					47.		
						R	
						1 1-	
	. 1		1	1		1	

Signature: Au Z	Quality Control:This form is complete छ-६ fegible छि: Signature:	
(Field Personnel)	(Project Manager)	

Extent of Physical		ment Type: ⊡< of Feature: □-l					icate on map)		
		[i.e. brid Cor	Y* / @-N / . features the fige abutme ntains por Y* / @-N /	/ □-Unknothat would prents or culvettential bat	rovide a route un erts with cracks/on this in the cracks/on the cracks/o	ss (*if yes, denderground, in entry points, efeatures? ss (*if yes, de	lescribe in table neluding buried c	concrete vices or i	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBE	RNACULA F				a they are a second	A WILLAND			
UTM		Fea	iture Desc	ription		Photo No.	Spp. O	bserve	d Using Feature
		***************************************	Vall.	<b></b>					
				**************************************				,	
Bat Roosting Fe		Contains poter □-Y* / ⊡-N / □ [i.e. tall trees w	3-Unknow vith open	vn, no acc surroundir	ess (*if yes, d			10m híg	gh in tree]
POTENTIAL BAT	Tree ID	Tree Spp.	DBH	Photo No	o. Decay Cl	acc (1-5)   P	No. of Cavities	Heigh	t and Type of Cavities
								11278-	t died a jpo or carriers
Stick Nests:	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	Co 	ntains lar Y* / ⊡-N	rge stick ne / 🔲-Unkno	ests? own, no acces	ss (*if yes, a	describe in tabl	e belov	v)
STICK NEST(S) ID UTM		Tree ID	Tree	Spp.	Nest Size	Photo No.	Spp. (	Observe	ed Using Feature
			-						
Seeps/Springs/V		<u> </u>	Y*/ @-N	/ U-Unkno	gs/vernal pool own, no acces	s? ss (*if yes, a	lescribe in tabl	e belov	v)
SEEP / SPRING / V	ERNAL POOI	L FEATURE(S)				1			
UTM	Feat	ure No. & Type	Feature (Diame		Water Depth	Photo No.	Sub/Emergen Spp. Prese	it Veg. ent?	Shrubs/ Logs at Edge Present?
			<u> </u>						
SPECIES & HABIT	AT OBSERVA	ATIONS (list spe	ecies and	type of obs	servation & in	dicate on ma	ар)		
					21				
					3				
					5				
		2							

Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493			Woodlar	oadside E nd & Wildli sessment l	fe Habita
Project Numbe	160950	269	Project Name:	NRWC	ELC
Date	26 Jun	e 2012	Field Personnel:	A. Duct	sume
Weather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 2

## **POLYGON DESCRIPTION**

CODE:

		TOPOGRAPHIC	EATURE	HISTORY
ELC	POLYGON: 8-((	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND	CREVICE / CAVE	D CULTURAL
COMMUNITY	START TIME: \ ( 100	☐ TERRACE ☐ VALLEY SLOPE	□ ROCKLAND □ BEACH / BAR	
DESCRIPTION & CLASSIFICATION	END TIME: 16:10	TABLELAND ROLL UPLAND CLIFF	□ SAND DUNE □ BLUFF	

#### STAND DESCRIPTION:

	LAYER	- нт	CVR		ES IN ORDER OF D TER THÁN; >GRE		MINANCE BOUT EQUAL TO)
1	CANOPY	-	j				
2	SUB-CANOPY	3	١	RHUTIPH	t > CORR	ACE	
3	UNDERSTOREY	4-5	4	grasses 7	DIPFULL		
4	GRD. LAYER	6-7	4	aasses			
	CODES: R CODES:			Section 1	m 4=1 <ht≤2m 5="0.&lt;br">VR≤25% 3=25<cvr≤< td=""><td></td><td></td></cvr≤<></ht≤2m>		
ST/	ANDING SNAGS:			M <10	N 10-24	25 – 50	N >50
ABL	INDANCE CODES:		N	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT	N/O=Not observed
ST	AND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH
VEGETATION TYPE: Meadow Morch CODE: MAM							

COMPLEX

Evidence of Disturbance / Notes:

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER
ABUNDANCE CODES: N=NONE R=RARE 0=OCCASIONAL A=ABUNDANT D=DOMINANT N/O=Not observed

ABUNDANCE CODES: N=NONE R=RARE O		LAYER **			DISTANCE	FROM RD.	SERVE
SPECIES CODE*	1	2	3	4	≤5 m	>5 m	COLL
TREES:		規模を					
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CGRRACE	1-	00	RR	N			
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GROUND:	Zi initelenini	(15/24/07)	e sual A	SAR ALSO	en et de la	ellez szar sakk ren	Shareh.
C SSAS		N	0	-	BUESS BURNIN	THE REAL PROPERTY.	F6E   S
Grasses UDIPFULL	_	17	DO	D.			
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	17	Quality Control: This form is complete  & & legible
Signature:	A:12	Signature:
	(Field Personnel)	(Project Manager)

W:vesource\Internal Info and Teams\FIELD FORMS\Vegetation\ELC\roadside-eic-woodland-wildlife-habitat-form.docx / (DERIVED FROM LEE ET AL., 1998)

ELC Polygon: # 🖔 –	Assess	sment Type: 坚∕√	isual; no	access / 🗆	-Walk throu	igh feature	9					
Extent of Physical Inv	vestigation	of Feature: □-E	ntire / □	l-Partial, wal	k through p	olygon (in	dicate on map)					
Reptile / Bat Hiber		□-Y [i.e. bridş Con □-Y [i.e.	Contains potential reptile hibernacula features?  -Y*/N/Unknown, no access (*if yes, describe in table below)  [i.e. features that would provide a route underground, including buried concrete or rock (e.g. foundations, bridge abutments or culverts with cracks/entry points, exposed rock crevices or inactive animal burrows)]  Contains potential bat hibernacula features?  -Y*/N/Unknown, no access (*if yes, describe in table below)  [i.e. karst topography, abandoned mines or caves]									
UTM		Feat	ure Desc	ription		Photo No	Spp. O	bserved Using Feature				
Bat Roosting Feat	ures:	Contains poten	tial bat r	oosting featu	ires?							
		<del> </del>	ith open	surrounding				10m high in tree]				
POTENTIAL BAT RO	<del></del>	<del></del>	7		1							
UTM	Tree ID	Tree Spp.	DBH	Photo No.	Decay Cla	ass (1-5)	No. of Cavities	Height and Type of Cavities				
Stick Nests:		Cor	taine la	ge stick nes	te?							
olica Nesis.		<u> </u>	/* / 🖭 - N	/ D-Unknow	n, no acces	ss (*if yes,	describe in tabl	e below)				
STICK NEST(S) IDE	TIFIED											
UTM		Tree ID	Tree	Spp.	Nest Size	Photo N	o. Spp. C	Observed Using Feature				
Seeps/Springs/Ve	rnal Pools	S: Cor	ntains se ∕* / ଢ∕Ñ	eps/springs/	vernal pool	s? ss (*if yes,	describe in tabl	e below)				
SEEP / SPRING / VEF	RNAL POO	L FEATURE(S)			,							
UTM	Fea	ture No. & Type	Feature (Diam	Wo	ter Depth	Photo No	Sub/Emerger Spp. Prese					
SPECIES & HABITA	T OBSERV	ATIONS (list spe	cies and	type of obser	vation & in	dicate on 1	map)					
							*					

CA=carcass: DP=distinctive parts: FE=feeding evidence; FY=eggs/nest; HO=house/den; OB=observed: SC=scat; SI=other sign; TK=track: VO=vocalization

)1609Adrive1160950269tplanning\drawing\mxd\20120423\_NHA\_Fieldmaps\160950269\_Release\_17\_ELC\_Collector\_Map\_Book\_20120613.mxd ∧sed: 2012-06-14 By: bcowper

Stantec Project Number: Date:	Stantec Con 1 – 70 South Guelph, ON Canada N1C Tel: (519) 83 Fax: (519) 83	gate Dnv 6 4P5 6-6050 96-2493	269	\ Woodlai		Habitat rm				
Weather Conditions:	TEMP (°	C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):				
POLYGON DESCRIPTION										
				TOPOGRAPHIC F	EATURE	HISTORY				
ELC	POLYGON: START TIM END TIME:	E: \ (	6:10	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	MATURAL ☐ CULTURAL				
STAND DESCRIP	TION:	CVR			DECREASING DOMI					
	- '''	OVIX	(>>MUCH GREA	TER THAN; >GRE	ATER THAN; = ABO	OUT EQUAL TO)				
1 CANOPY 2 SUB-CANOPY	/ 2	_	5 2	( =						
2 SUB-CANOP	·	[]	126C(000	us shrub						
4 GRD. LAYER			ansses	N77/ arus	762					
HT CODES: CVR CODES:	1=>25m		-T≤25m 3=2 <ht≤10< th=""><th>m 4=1<ht≤2m <b="">5=0</ht≤2m></th><th>5<ht≤1m 6="0.2&lt;HT≤0&lt;br">60% 4=CVR&gt;60% N/</ht≤1m></th><th></th></ht≤10<>	m 4=1 <ht≤2m <b="">5=0</ht≤2m>	5 <ht≤1m 6="0.2&lt;HT≤0&lt;br">60% 4=CVR&gt;60% N/</ht≤1m>					
STANDING SNAGS:			R <10	R 10-24	N 25 - 50	N >50				
ABUNDANCE CODES:		N	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N/	O=Not observed				
STAND MATURITY:	PIONEER	₹	YOUNG	✓MID-AGE	MATURE	OLD GROWTH				
VEGETATION TYPE	Catt	ail	organic	Shallow marsh	CODE: MAS	3-1				
COM	PLEX				CODE:					

Evidence of Disturbance / Notes:

ABUNDANCE CODES: N=NONE R=RARE O=	USON IN		YER		DISTANCE	FROM RD.	COLL.
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
REES:	7.67	P. Barrie	15-15-0	中的	(0):00:00	1000	
SALNIGR (rearly dead)	1	R	7	N	N	R	
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	Parate state	1001000000	125 F #0 121	-56 2012	THE THE THE	(2:30.TH AT 1)	
HRUBS:				N	HICKORY OF STREET	00=02.7	0=1/-
Deciduous strubs	-	0	10	N	<del> </del>		
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ROUND:	1000		Willes	300	118.617	E SUPUL	YEAR.
TYPANGU		N	D	A			
grasses	-	7	A	D			
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	1.6	Quality Control This form is complete 3 & legible 3.
Signature:	Hu/h_	Signature:
	(Field Personnel)	(Project Manager)

ELC Polygon: #9= As	ssessment Type: 맙	Visual; no acce	ss / 🔲-\	Walk throu	gh feature					
Extent of Physical Investiga	ation of Feature:	-Entire / ロ-Partia	al, walk	through p	olygon <i>(inc</i>	dicate on map)				
Reptile / Bat Hibernacu	[j., bri Co [j.,	Contains potential reptile hibernacula features?  —Y*/ —N/ —Unknown, no access (*if yes, describe in table below)  [i.e. features that would provide a route underground, including buried concrete or rock (e.g. foundations, bridge abutinents or culverts with eracks/entry points, exposed rock crevices or inactive animal burrows)]  Contains potential bat hibernacula features?  —Y*/ —N/ —Unknown, no access (*if yes, describe in table below)  [i.e. karst topography, abandoned mines or caves]								
POTENTIAL HIBERNACU UTM	<del>,                                      </del>	DENTIFIED ature Description			Photo No.	S 0	hoomio	l Using Feature		
O THE		ature Description				Эрр. О	DSCI VEC	rosing reacure		
Bat Roosting Features: POTENTIAL BAT ROOSTI	□-Y* / □-N / [i.e. tall trees	ential bat roosting □-Unknown, no with open surrou	access	(*if yes, d	escribe in icm, side-fa	table below) acing cavities ~	10m hiç	gh in tree]		
	e ID Tree Spp.	· · · · · · · · · · · · · · · · · · ·	o No.	Decay Cl	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities		
	Tree spp.			Decay Cr.	133 (1-3)	10. of Cavicies	Tacign	t and Type of Cavities		
Stick Nests:		ontains large stid -Y* / ☑-N / □-U	ck nests nknown	s? n, no acces	ss (*if yes,	describe in tabl	e belov	()		
UTM	T	T S		NI A CI'	Di N	6. (	<u></u>			
UTW	Tree ID	Tree Spp.		Nest Size	Photo No	spp. C	Joserve	d Using Feature		
							·			
Seeps/Springs/Vernal F	Pools: C	ontains seeps/sp l-Y* / ☑-N / □-U				describe in tabl	e below	·)		
SEEP / SPRING / VERNAL	POOL FEATURE(S	) IDENTIFIED								
UTM	Feature No. & Typ	e Feature Size (Diameter)	Wat	er Depth	Photo No.	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?		
SPECIES & HABITAT OBS	SERVATIONS (list s	pecies and type o	f observ	ation & in	dicate on m	ap)				
- Square	concrete (	ialvet i	inde	r 1000				· · · ·		
								F. 6		

CA=carcass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest: HO=house/den; OB=observed: SC=scat; SI=other sign; TK=track: VO=vocalization

Stantec	1 70 Southga Guelph, ON Canada N1G 4 Tel: (519) 836-6	tantec Consulting Ltd. Coll. Tile 9 Roadside ELC, uelph, ON anada N1G 4P5 el. (519) 836-6050 ax (519) 836-2493  Roadside ELC, Woodland & Wildlife Habitat Assessment Form									
Project Number:	1609	502 Jun									
Weather Conditions:	TEMP (°C)		WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):					
			19/11	POLYGON DES	CRIPTION						
				TOPOGRAPHIC F	EATURE	HISTORY					
COMMUNITY	POLYGON: ( START TIME: END TIME:	9-	2 20 30	□ LACUSTRINE □ RIVERINE □ BOTTOMLAND □ TERRACE □ YALLEY SLOPE □ YABLELAND □ ROLL. UPLAND □ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	□ NATURAL E/CULTURAL					
STAND DESCRIP LAYER	PTION:  HT CVR SPECIES IN ORDER OF DECREASING DOMINANCE (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO)										
1 CANOPY					That there's the	OOT EQUAL TO					
2 SUB-CANOP	1 -	_									
3 UNDERSTORE	Υ —		-								
4 GRD. LAYER HT CODES: CVR CODES:	1=>25m 2			Om 4=1 <hts2m 5="0.&lt;br">CVRs25% 3=25<cvrs< th=""><th></th><th>0.5m 7=HT&lt;0.2m /O=not observed</th></cvrs<></hts2m>		0.5m 7=HT<0.2m /O=not observed					
STANDING SNAGS			<10	10-24	25 – 50	A I >50					
ABUNDANCE CODES:		N=N	ONE R=RARE	O=OCCASIONAL	A=ABUNDANT N	O=Not observed					
STAND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH					
VEGETATION TYPE	ral Mean	dow.	- Dry-Moi	st old Field	CODE: CMM	1-1					
COM	PLEX			CODE:							
	Evidence of Disturbance / Notes:  Horse Frack (?,)										

ABUNDANCE CODES: N=NONE R=RARE O=		LA'	YER	Simple of	DISTANCE	COLL	
SPECIES CODE	10	2	3 3	4	≤5 m	>5 m	COLL
REES:	1000	333	(0 % m)			(2) H. F. H.	Side.
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SHRUBS:	Marie L	1/80	ing out		Million Land	H-AND	1
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GROUND:	1,1000	150715	ALC: 1				54(T)
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LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER

Signature: Au M	Quality Control:This form is complete 🖼 & legible 🗅 .  Signature:
(Field Personnel)	(Project Manager)

										VVIIGII	ie Habitat Assessment Form
ELC Polygon: # 9 - 2	Assess	sment Type:	<b>⊒</b> -Visu	ual; nc	o acces	ss / 🔲-	·Walk throu	gh feature			
Extent of Physical Inv	<del></del>										
Reptile / Bat Hiber	(   	Contains potential reptile hibernacula features?  □-Y* / □-N / □-Unknown, no access (*if yes, describe in table below)  [i.e. features that would provide a route underground, including buried concrete or rock (e.g. foundations, bridge abutments or culverts with cracks/entry points, exposed rock crevices or inactive animal burrows)]  Contains potential bat hibernacula features?  □-Y* / □-N / □-Unknown, no access (*if yes, describe in table below)  [i.e. karst topography, abandoned mines or caves]									
POTENTIAL HIBERT	NACULA F								· · · · · · · · · · · · · · · · · · ·		
UTM					cription	l		Photo No	. Spp. C	)bservec	d Using Feature
		***************************************				*******************	***************************************			······	
Bat Roosting Feat		[i.e. tall tree	/ Q-Ur s with	Inknow open	wn, no a surroui	access	s (*if yes, d		<i>table below)</i> acing cavities ~	10m hiç	gh in tree]
POTENTIAL BAT RO	1				T			1		T	
UTM	Tree 1D	Tree Spp	). I	DBH	Photo	) No.	Decay Cla	ass (1-5)	No. of Cavities	Height	t and Type of Cavities
									<del></del>		
Stick Nests:			Contai □-Y* /	ins lar / ⊡-√	rge stic	k nest	s? n, no acces	ss (*if yes,	describe in tabi	le belov	<i>(</i> )
STICK NEST(S) IDE							1				
UTM		Tree ID		Tree	e Spp.		Nest Size	Photo No	). Spp. (	Observe	d Using Feature
								1		F-14-14-14-14-14-14-14-14-14-14-14-14-14-	
Seeps/Springs/Ve	rnal Pools	<b>S</b> :	Contai □-Y* /	ins se / <b>⊡</b> -N	eps/sp	rings/	vernal pools	s? ss (*if yes,	describe in tabl	le belov	<i>'</i> )
SEEP / SPRING / VEI	RNAL POO					,					
UTM	Feat	ture No. & Ty		Feature (Diam		Wa	ter Depth	Photo No.	Sub/Emerger Spp. Preso		Shrubs/ Logs at Edge Present?
				***************************************							
SPECIES & HABITA	TORSERV	ATIONS (list	t enecie	e and	type of	ohser	vetion & in	dicate on n	an)		
SI ECIES & IMBILI	1 ODGLE.	AHOno (iiii	Specie	Sanu	type or	ODSCI	Valion of in-	Ulcare on 11	іяр,		
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			6								*

CA=carcass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest: HO=house/den; OB=observed: SC=scat; SI=other sign; TK=track: VO=vocalization

Stantec	Stantec Con 1 – 70 South Guelph, ON Canada N10 Tel: (519) 83 Fax: (519) 83	3 4P5 3-6050	Roly 9-3	<b>β Woodla</b> ι	oadside ELC nd & Wildlife sessment Fo	Habitat		
Project Number:	1609	502	269	Project Name:	NRWC E	ELC		
Date:	2G	Jur	e 2012	Field Personnel:	A. Duc	harne		
Weather Conditions:	TEMP (°	C):	WIND: light	CLOUD:	PPT:	PPT (in last 24 hrs):		
			0	POLYGON DES	CRIPTION			
				TOPOGRAPHIC F	EATURE	HISTORY		
COMMUNITY	POLYGON: START TIME:	9-j =:16	3:30	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE	□ NATURAL □ CULTURAL		
CLASSIFICATION	LIKE HAIL.	6	:40	CLIFF	D BLUFF			
STAND DESCRIP	TION:				>			
LAYER	нт	CVR			ECREASING DOMI			
1 CANOPY	2	4	ACESAC					
2 SUB-CANOP	1 -	1						
3 UNDERSTORE		_						
4 GRD. LAYER		0=10.		No. 4-4-417-0	C.11744			
HT CODES: CVR CODES:					5 <ht≤1m <b="">6=0.2<ht≤0 60% <b>4=</b>CVR&gt;60% <b>N</b>/</ht≤0 </ht≤1m>			
STANDING SNAGS:			R <10	10 - 24	25 - 50	>50		
ABUNDANCE CODES:		N	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N/	O=Not observed		
STAND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH		
VEGETATION TYPE HCdgerow	Silver	- Ña	de Decidu	ous Forest	CODE: HOD /	FOD		
СОМ	PLEX				CODE:			
Evidence of Disturbance / Notes:  Silver maple goods								

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER
ABUNDANCE CODES: N=NONE R=RARE 0=OCCASIONAL A=ABUNDANT D=DOMINANT N/O=Not observed DISTANCE FROM RD. LAYER COLL. SPECIES CODE ≤5 m >5 m 2 1 3 4 TREES: ACESACE SHRUBS: GROUND:

Signature:	Ann	Signature:
	(Field Personnel)	(Project Manager)

	···									AAIIGI	ne nabitat Assessment Form
ELC Polygon: #9 _	Z Asse	ssment Type:	<b>G</b> -V	isual; no	access	/ 🗅-	Walk throu	gh feature	e		
Extent of Physical Inv	estigatio	n of Feature:	O-E	ntire / 🗆	-Partial,	wall	through p	olygon <i>(in</i>	dicate on map)		
Reptile / Bat Hiber	nacula I	Features:	Contains potential reptile hibernacula features?								
POTENTIAL HIBERI	NACULA	FEATURE(S)	IDE	NTIFIE	D						
UTM			Feat	ure Desc	ription			Photo No	Spp. (	Observe	d Using Feature
				·····							
Harris Harris Hills					***************************************						
					·········						······································
Bat Roosting Feat		[i.e. tall tree	I/□ es wi	-Unknow th open	n, no ac surround	cess	s (*if yes, d		table below) facing cavities ~	-10m hi	gh in tree]
POTENTIAL BAT RO	OSTING	FEATURE(S	) IDF	ENTIFIE	D						
UTM	Tree II	Tree Sp	p.	DBH	Photo	No.	Decay Cl	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
					,,		***************************************				
Stick Nests:			Cor -Y	ntains lar	ge stick / □-Unk	nest	s? n, no acces	ss (*if yes,	describe in tab	le belov	ν)
STICK NEST(S) IDEN	TIFIED										
UTM		Tree ID		Tree	Spp.	Nest Size		Photo N	o. Spp.	Observe	d Using Feature
				٠.							
		***									
Seeps/Springs/Vei	rnal Pod	ols:	Cor	ntains se ∕* / ☑∕N	eps/spri	ngs/\	vernal pool	s? ss (*if ves.	describe in tab	le belov	v)
SEEP / SPRING / VEH	RNAL PO	OL FEATURI						, , , , , , , ,			
UTM		eature No. & T		Feature (Diame	Size	Wa	ter Depth	Photo No	Sub/Emerge Spp. Pres		Shrubs/ Logs at Edge Present?
			į						N Lossess	.myr.m.mg y	
SPECIES & HABITA	L ORSER	EVATIONS (lis	t spe	cies and	type of o	bser	vation & in	dicate on 1	nap)		
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											1.0

CA=carcass; DP=distinctive parts; FE=feeding evidence; FY=eggs/nest; HO=house/den; OB=observed; SC=scat; SI=other sign; TK=track; VO=vocalization

Guelph, Canada Tel: (519	Consulting Ltd. Call. Fourthgate Drive ON 19 136-6050 19) 836-2493 09 50269 6 Drive 2012	4 Woodla	101-00	Habitat		
Weather Conditions:	MP (°C): WIND:	CLOUD	PPT;	PPT (in last 24 hrs):		
	9	POLYGON DES	CRIPTION			
		TOPOGRAPHIC F	EATURE	HISTORY		
ELC  COMMUNITY DESCRIPTION & END THE	TIME: 4:40	□ LACUSTRINE □ RIVERINE □ BOTTOMLAND □ TERRACE □ VALLEY SLOPE □ TÄBLELAND □ ROLL. UPLAND □ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	EMATURAL □ CULTURAL		
STAND DESCRIPTION:						
LAYER H	HT I CVR I		ECREASING DOM			
1 CANOPY				,		
2 SUB-CANOPY	3 3 CRATCOC	LTCORR	ACE			
3 UNDERSTOREY	-5 4 CALCA	NA DI	PFULLZSO	LCANA		
4 GRD. LAYER	-7 4 gauses	7 SOLCANI	+7 DIPFULL			
	•25m 2=10 <ht≤25<b>)n 3=2<ht≤1 NONE 1=0%<cvr≤10% 2="10&lt;0&lt;/td"><td></td><td>5<ht≤1m 6="0.2&lt;HT≤0&lt;br">60% 4=CVR&gt;60% N</ht≤1m></td><td></td></cvr≤10%></ht≤1 </ht≤25<b>		5 <ht≤1m 6="0.2&lt;HT≤0&lt;br">60% 4=CVR&gt;60% N</ht≤1m>			
STANDING SNAGS:	R <10	N 10-24	V 25 - 50	>50		
ABUNDANCE CODES:	N=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N/	O=Not observed		
STAND MATURITY: PIO	NEER YOUNG	MID-AGE	MATURE	OLD GROWTH		
VEGETATION TYPE: Gray Dogwood Cyltural Thicket? CODE: CUT 1-4?						
COMPLEX			CODE:			
Evidence of Disturbance / Notes:						

ABUNDANCE CODES: N=NONE R=RARE O=0	CCASI		=ABUNI	JANI L	DISTANCE	GENERAL PROPERTY.	
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL
REES:		E C					
SHRUBS:  CRATCOCC  CORRACC		0	2	22			
SROUND:			<b>建设设置</b>				******
CALCANA DIPFULI SOLCANA GUSSPS	1111	2222	PAAO	O A D		N/0	

						L
Signature:	Aill		y Contro ignature	rm is comple	te 1 <mark>9-8-leg</mark> ib	le ( <del>].</del>
-	(Field Personnel)			 (Project	Manager)	

ELC Polygon: #9-L	7	sment Type: 🖭									
Reptile / Bat Hibernacula Features:			□-Entire / □-Partial, walk through polygon (indicate on map)  Contains potential reptile hibernacula features? □-Y* / □-N / □-Unknown, no access (*if yes, describe in table below) [i.e. features that would provide a route underground, including buried concrete or rock (e.g. foundations. bridge abutments or culverts with cracks/entry points, exposed rock crevices or inactive animal burrows)]  Contains potential bat hibernacula features? □-Y* / □-N / □-Unknown, no access (*if yes, describe in table below)								
POTENTIAL HIBERY	NACULA F		IDENTIFIED								
UTM		Fe:	ature Desc	cription	***************************************	the state of the s	Photo No	0.	Spp. O	bserved	l Using Feature
Bat Roosting Feat	Bat Roosting Features:  Contains potential bat roosting features?  □-Y* / □-N / □-Unknown, no access (*if yes, describe in table below)  [i.e. tall trees with open surroundings, DBH >25cm, side-facing cavities ~10m high in tree]										
UTM	Tree ID	Tree Spp.	DBH	Photo	No.	Decay Cla	nss (1-5)	N	o. of Cavities	Heigh	t and Type of Cavities
										9	
W mills							***************************************				
		<u> </u>									
Stick Nests:		Co	ontains la	rge stick	nes	ts? 'n no acces	s (*if ves	de	escribe in table	e helow	d)
STICK NEST(S) IDEN	TIFIED	- Vanid	-1 / 👊 -14	/ <del>U</del> -0118	CIIOVV	11, 110 acces	is ( ii yes,	, ue	SCIDE III LADIC	DEION	<u> </u>
UTM		Tree ID	Tree	e Spp.		Nest Size	Photo N	o.	Spp. C	bserve	d Using Feature
			***************************************								
Seeps/Springs/Ver	rnal Pool	s: Co	ontains se	eps/spri	ings/	vernal pools	s? s (*if yes,	, de	scribe in table	e below	·)
SEEP / SPRING / VEF	RNAL POC										
UTM	Fea	ture No. & Type	Featur (Diam	- 1	Wa	ter Depth	Photo No	0.	Sub/Emergen Spp. Prese		Shrubs/ Logs at Edg Present?
								1	***************************************		
SPECIES & HABITA	T OBSERV	ATIONS (list s	ecies and	type of c	bser	vation & in	dicate on	maj	o)	<del></del>	
									<del></del>		4
					. 3						\$1
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					16						
					- 1						
		×									
		F									Se."
			7			•					
			-								

CA=carcass: DP=distinctive parts: FE=feeding evidence; FY=eggs/nest: HO=house/den; OB=observed: SC=scat; SI=other sign: TK=frack: VO=vocalization

Stantec	Stantec Consulting 1 – 70 Southgate Dri Guelph, ON Canada N1G 4P5 Tel. (519) 836-6050 Fax: (519) 836-2493	_	5 Woodla	oadside ELC nd & Wildlife sessment Fo	Habitat
Project Number: Date:	160950 26 Jun	269 u 2612	Project Name: Field Personnel:		ELC
Weather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs
		7	POLYGON DES		
			TOPOGRAPHIC F	EATURE	HISTORY
ELC COMMUNITY DESCRIPTION & CLASSIFICATION	START TIME:	-5 1:45 1:50	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL, UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	□ NATURAL
STAND DESCRIP LAYER	HT CVR			DECREASING DOM EATER THAN; = AB	
1 CANOPY	121	DEAD "	TREK		
2 SUB-CANOP	y 3 3	RHITTE	H STT	>	
3 UNDERSTORE	Y 116 3	DIPELL	) \	<u> </u>	
4 GRD, LAYER	19.71.7	2 :5505	35 CM 1	DAIA SNIG	EUI I
HT CODES:		A COVSSC S HT≤25th 3=2 <ht≤10< td=""><td>) 30000</td><td>5<ht≤1m 6="0.2&lt;HT≤&lt;/td"><td>0.5m 7=117+0.0=</td></ht≤1m></td></ht≤10<>	) 30000	5 <ht≤1m 6="0.2&lt;HT≤&lt;/td"><td>0.5m 7=117+0.0=</td></ht≤1m>	0.5m 7=117+0.0=
CVR CODES:	0=NONE 1=0%			60% 4=CVR>60% N	
STANDING SNAGS	:	<b>(</b> <10	10 – 24	<b>№</b> 25 – 50	>50
ABUNDANCE CODES:	1	N=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N	/O=Not observed
STAND MATURITY:	PIONEER	YOUNG	MID-AGE	MATURE	OLD GROWT
VEGETATION TYPE	umac Cul-	tural Thic	:tet	CODE: CUT	-1-1
COM	PLEX			CODE:	
Evidence of Distr	urbance / Notes	ral /hie	strical s	significan	.ce
	+	ower S	roucture		

LAYERS: 1=CANOPY >10m 2=SUB-CANO ABUNDANCE CODES: N=NONE R=RARE 0=(	PY 3	B=UNDEI ONAL A	RSTOR =ABUN	EY 4 DANT C	=GROUND ( =DOMINAN	T N/O≔Not	R observed
SPECIES CODE	17 P.		ÆR	IF NO		FROM RD.	COLL.
	1	2	3	4	≤5 m	>5 m	-0484
DEAD TREE	R						
SHRUBS: RHUTYPH	2	D	7				
GROUND: Orassos DIPFULL SOLCANA	7272	222	222	B A			

Signature:

Quality Control: This form is complete — & legible —

Signature:

(Field Personnel)

Quality Control: This form is complete — & legible —

(Project Manager)

ELC Polygon: #9-	S Asse	ssment Type:	⊒-Visu	ıal; no	access /	′ <b>□</b> -Wall	throu	gh feature	•			
Extent of Physical In	vestigatio	n of Feature:	⊒-Enti	re / 🗖	l-Partial, v	walk thro	ough p	olygon <i>(in</i>	dicate on map)			
Reptile / Bat Hibernacula Features:			Contains potential reptile hibernacula features?  -Y* / -V / -Unknown, no access (*if yes, describe in table below)  [i.e. features that would provide a route underground, including buried concrete or rock (e.g. foundations, bridge abutments or culverts with cracks/entry points, exposed rock crevices or inactive animal burrows)]  Contains potential bat hibernacula features?  -Y* / -N / -Unknown, no access (*if yes, describe in table below)									
POTENTIAL HIBER		[i.e. karsi topography, abandoned mines or caves]  IDENTIFIED										
UTM			Feature Description					Photo No	Spp. (	Spp. Observed Using Feature		
Bat Roosting Fea	tures:	Contains po	/ 🗆-Ui	nknow	vn, no ac	cess (*if	yes, d H >25	escribe in	table below)	-10m hi	ah in treel	
POTENTIAL BAT R	OOSTING					ingo, or	11120	om, alac-	doing cavilles	10/// 111	gri iii tiecj	
UTM	Tree II	D Tree Spp	. I	DBH	Photo N	o. De	cay Cla	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities	
Stick Nests: STICK NEST(S) IDE	NTIFIED		Contai □-Y* /	ins lar	ge stick r / □-Unkr	nests? lown, no	acces	ss (*if yes,	describe in tab	le belov	v)	
UTM		Tree ID		Tree	Spp.	Nes	t Size	Photo N	o. Spp.	Observe	d Using Feature	
Seeps/Springs/Ve	ernal Poo	ols:	Contai □-Y* /	ins se '⊡-N	eps/sprin / 🔲-Unkr	gs/verna	al pools	s? ss (*if yes,	describe in tab	le belov	v)	
SEEP / SPRING / VE	RNAL PO	OL FEATURE						1				
UTM	F	eature No. & Ty	nei	eature (Diame	1	Water D	epth	Photo No	Sub/Emerge Spp. Pres		Shrubs/ Logs at Edge Present?	
SPECIES & HABITA	AT OBSER	RVATIONS (list	specie	s and	type of ob	servatio	n & in	dicate on 1	nap)			
											S	
		0.8										

CA=carcass: DP=distinctive parts: FE=feeding evidence; FY=eggs/nest: HO=house/den; OB=observed: SC=scat; SI=other sign; TK=track: VO=vocalization

Stantec	Stantec Consulting 1 – 70 Southgate Druguelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493	Ltd. COII. 7 Poly 9-1	الم	oadside El nd & Wildli sessment F	le Habitat
Project Number:	1609507	269	Project Name:	NRWC	ELC
Date:	26 June	2012	Field Personnel:	A. Duc	harme
Weather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs)

## POLYGON DESCRIPTION

		TOPOGRAPHIC F	EATURE	HISTORY
ELC	CTADT TIME	☐ RIVERINE ☐ BOTTOMLAND	□ CREVICE / CAVE □ ALVAR	©MATURAL □ CULTURAL
COMMUNITY	END TIME:	VALLEY SLOPE	☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	
	17.00	CLIFF		

## STAND DESCRIPTION:

	LAYER	HT	CVR	SPECIES IN ORDER OF DECREASING DOMINANCE (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO)						
1	CANOPY	2	3	PAGGRI	1N > SALIY	SP1				
2	SUB-CANOPY	3	3	SALY	SALLY OF TPAGGRANT CORRACE					
3	UNDERSTOREY	4-5	4	GRASS &	GRASS &-> DIPFULL					
4	GRD. LAYER	677	L	GRASS Sp. >> DIPFULL						
HT CODES: 1=>25m 2=10 <ht>1=&gt;25m 3=2<ht>3=2<ht>1=&gt;10<ht>4=1<ht>4=1<ht>4=1<ht>4=1<ht>5=0.5<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1=0.2<ht>1</ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht></ht>										
ST	ANDING SNAGS:			R <10	N 10 - 24	25 - 50	>50			
ABI	INDANCE CODES:		N	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT	N/O=Not observed			
ST	AND MATURITY:	PIONEER	₹	YOUNG	MID-AGE	MATURE	OLD GROWTH			
VEGETATION TYPE: Fresh-Moist Deciduous Forest Hodger CODE: HOD/FOD (7?)										
	COMPLEX CODE:									

Evidence of Disturbance / Notes:

LAYERS: 1=CANOPY >10m 2=SUB-CAN ABUNDANCE CODES: N=NONE R=RARE O	OCCASIO	A JANC	=ABUNI	DANT D	DISTANCE	observed	
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
TREES:	A 14 A 3	in the		the .	6. 3.6	HAT IN	71.0
FAGGRAN	A	A	2	2	N	A	
SALIY SP	0	A	2	N	0	A	
SHRUBS:	N		$\Diamond$	N	N S	0	78 117
GROUND: 34 A 3 4	1.27.1				W		
GRASS SO, DIPFULL	22	22	00	D 0	8	0	

	-	Quality Control: This form is complete 2 & legible 2.
Signature:	A: 12	Signature: //
_	11/4//	
	(Field Personnel)	(Project Manager)

ELC Polygon: # 9	-6 A	ssess	ment Typ
Extent of Physical I			
Reptile / Bat Hib	ernacu	ıla Fe	atures:
POTENTIAL HIBE	RNACU	JLA F	EATURE
UTM			
			***************************************
Bat Roosting Fe	oturos		Contains
bat Roosting Fe	atures	•	U-Y*/
			[i.e. tall t
POTENTIAL BAT		ING F	
UTM	Ire	e ID	Tree
William Literature Communication Communicati			
			4100
Stick Nests:			
OHON HESIS.			
STICK NEST(S) ID	ENTIF	ED	
UTM			Tree ID
UIM			

ssessment Type: 🛂 Visual; no access / 🗅-Walk through feature

Contains potential reptile hibernacula features?

□-Y\* / □-N / □-Unknown, no access (\*if yes, describe in table below)

[i.e. features that would provide a route underground, including buried concrete or rock (e.g. foundations, bridge abutments or culverts with cracks/entry points, exposed rock crevices or inactive animal burrows)]

Contains potential bat hibernacula features?

□-Y\* / च-N / □-Unknown, no access (\*if yes, describe in table below)

[i.e. karst topography, abandoned mines or caves]

ENTIAL HIBERNACULA	FEATURE(S) IDENTIFIED		
UTM	Feature Description	Photo No.	Spp. Observed Using Feature

Contains potential bat roosting features?

□-Y\* / □-N / □-Unknown, no access (\*if yes, describe in table below)

[i.e. tall trees with open surroundings, DBH >25cm, side-facing cavities ~10m high in tree]

POTI	ENTIAL BAT R	OOSTING FI	EATURE(S) ID	ENTIFIE	E <b>D</b>			
	UTM	Tree ID	Tree Spp.	DBH	Photo No.	Decay Class (1-5)	No. of Cavities	Height and Type of Cavities
		4411						

Contains large stick nests?

□-Y\* / □-N / □-Unknown, no access (\*if yes, describe in table below)

STICK NEST(S) IDENTII	FIED	<i>i.</i>			
UTM	Tree ID	Tree Spp.	Nest Size	Photo No.	Spp. Observed Using Feature

Contains seeps/springs/vernal pools?

□-Y\* / □-N / □-Unknown, no access (\*if yes, describe in table below)

SEEP / SPRING / VERNAL POOL FEATURE(S) IDENTIFIED								
UTM	Feature No. & Type	Feature Size (Diameter)	Water Depth	Photo No.	Sub/Emergent Veg. Spp. Present?	Shrubs/ Logs at Edge Present?		
					TI.			

SERVATIONS (list species and type of observation & indicate	ов шар)	
		- 0
47		19.
		* *

Stantec	Stantec Co 1 – 70 South Guelph, ON Canada N1 Tel; (519) 8: Fax: (519) 8:	G 4P5 36-6050	Poly 9-	7 Woodla	oadside EL nd & Wildlif sessment F	e Habitat
Project Number	1600	150	269	Project Name:	NRWC	ELC
Date	27	Sure	2012	Field Personnel:	A. Duch	arme
Weather Conditions:	TEMP (		wind: 5 kph	part part	PPT: none	PPT (in last 24 hrs
				POLYGON DES	CRIPTION	
				TOPOGRAPHIC F	EATURE	HISTORY
ELC COMMUNITY DESCRIPTION &	POLYGON START TIME	9- 1e: 8	7:30	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE	D NATURAL E DCULTURAL
CLASSIFICATION	END TIME	9	-00	CLIFF	□ BLUFF	
STAND DESCRI	PTION:					
LAYER	нт	CVR		IES IN ORDER OF I ATER THAN; >GRE		
1 CANOPY	_	-				
2 SUB-CANOP	Y 3	4	MALCOR	0>>> MALS	YLV	
3 UNDERSTOR	- /					
4 GRD. LAYE	. 10		grusses			
HT CODES: CVR CODES:				0m 4=1 <ht≤2m 5="0&lt;br">CVR≤25% 3=25<cvr≤< td=""><td></td><td></td></cvr≤<></ht≤2m>		
STANDING SNAGS	:		K <10	10 – 24	N 25 - 50	N >50
ABUNDANCE CODES		ł	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT I	N/O=Not observed
STAND MATURITY	PIONEE	R	YOUNG	MID-AGE	MATURE	OLD GROWT
VEGETATION TYPE: Apple Deciduous Plantation Hodgood HOD/CUPI						
VEGETATION TYP	1111					
	IPLEX				CODE:	

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT D=DOMINANT N/O=Not observed DISTANCE FROM RD. LAYER COLL. SPECIES CODE >5 m ≤5 m 2 4 TREES: N MALCORO MALSTLV N 7 SHRUBS: GROUND: D D

	1 /2	Quality Control: This form is complete 🖼 & legible 🖫
Signature:	Hill	Signature:
-	(Field Personnel)	(Project Manager)

Extent of Physical Inv	1										on map)		
□-\ [i.e. brid Cor					catures the abutmo ains pot	/ □-Unk rat would nts or cu tential b / □-Unk	knowr I provi Iverts Pat hik knowr		s (*if yes, iderground intry points eatures? s (*if yes,	descri , includi s. exposo	ng buried e ed rock crev	oncrete ( ices or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBER	NACUL	A FE											
UTM			F	ire Desc	ription		-	Photo No	0.	Spp. O	Observed Using Feature		
Bat Roosting Feat			Contains por Q-Y* / Q-N / [i.e. tall trees	/ 🔲 - s wit	Unknow h open	vn, no a surrour	cces	s (*if yes, de				10m hig	gh in tree]
POTENTIAL BAT RO	1									Υ			
UTM	Tree	ID	Tree Spp.	•	DBH	Photo	No.	Decay Cla	ass (1-5)	No. 01	Cavities	Height	t and Type of Cavities
											***************************************	***************************************	
Stick Nests:			(	Conf ⊐-Y	tains lar * / ဩ-Ñ	rge stick / ロ-Un	k nest know	s? n, no acces	s (*if yes,	, descri	ibe in table	e below	()
STICK NEST(S) IDEN	VIIFIE		Tree ID		Tree	Snn		Nest Size	Photo N	In I	Spp. C	hearvo	d Using Feature
OTH			TICC ID		Tree Spp. Nest Size			Nest Size	Брр. Овзе			DSCI VC	u Osing Peature
				***************************************									
			. 0										
Seeps/Springs/Ver	rnal Po	ools	; (	Con	tains se * / ဩ-Ñ	eps/spr	rings/\ know	vernal pools	s? s (*if yes,	, descn	ibe in table	e below	······································
SEEP / SPRING / VEI	RNAL P	001											
UTM		Featı	ure No. & Ty	ре	Feature (Diame	1	Wa	ter Depth	Photo No		o/Emergen Spp. Prese		Shrubs/ Logs at Edge Present?
				1			***************************************						
SPECIES & HABITA	T OBSE	CRVA	ATIONS (list	spec	ies and	type of	obser	vation & inc	dicate on	map)			
													a r     *
													2 H W

Stantec Project Number:	Stantec Con 1 – 70 South Guelph, ON Canada N10 Tel: (519) 836 Fax: (519) 83	gate Driv 3 4P5 3-6050	Paly 9-	Woodlai Ass	1	Habitat orm
Date:	7 + TEMP (°	OF	wind: light	CLOUD:	A. Duch	PPT (in last 24 hrs):
				POLYGON DES	CRIPTION	
				TOPOGRAPHIC F	EATURE	HISTORY
COMMUNITY DESCRIPTION 8	POLYGON: START TIMI END TIME:	9: 9:	-8 00 10	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL, UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	□ NATURAL  □ CULTURAL
STAND DESCRIP	TION:					
LAYER	нт	CVR			ECREASING DOM	
1 CANOPY	2	4	ACERSI	7(C		
2 SUB-CANOP	Υ -	,				
3 UNDERSTORE		-				
4   GRD. LAYER HT CODES: CVR CODES:	1=>25m		-		5 <ht≤1m 6="0.2&lt;HT≤&lt;br">60% 4=CVR&gt;60% N</ht≤1m>	
STANDING SNAGS			N <10	N 10-24	25 – 50	N >50
ABUNDANCE CODES:		N	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N	/O=Not observed
STAND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH
VEGETATION TYPE	Made I	ecid	vous Plan	tation Holgon	CODE: HOD/	C4P1-5

Evidence of Disturbance / Notes:

D	2	3		≤5 m	>5 m	COLL
D					D	14.6
D					D	
		_				<b></b>
			操送校			
					Will ye	
			D		P	

Signature: A	Quality Control This form is complete D & legible D.  Signature:
(Field Personnel)	(Project Manager)

ELC Polygon: # $\mathcal{G}_{-}$ $\overline{f X}$ Assessment Typ	e: 囧-Visual; no access / □-Walk through feature
------------------------------------------------------------------	-------------------------------------------------

Reptile / Bat Hibernacula Features: Contains potential reptile hibernacula features?

□-Y\* / □-N / □-Unknown, no access (\*if yes, describe in table below)

[i.e. features that would provide a route underground, including buried concrete or rock (e.g. foundations, bridge abutments or culverts with cracks/entry points, exposed rock crevices or inactive animal burrows)]

Contains potential bat hibernacula features?

□-Y\* / □-N / □-Unknown, no access (\*if yes, describe in table below)

[i.e. karst topography, abandoned mines or caves]

OTENTIAL HIBERNACULA FEATURE(S) IDENTIFIED										
UTM	Feature Description	Photo No.	Spp. Observed Using Featur							

**Bat Roosting Features:** 

Contains potential bat roosting features?

□-Y\* / □-N / □-Unknown, no access (\*if yes, describe in table below)

[i.e. tall trees with open surroundings, DBH >25cm, side-facing cavities ~10m high in tree]

POTENTIAL BAT	TENTIAL BAT ROOSTING FEATURE(S) IDENTIFIED										
UTM	Tree ID	Tree Spp.	DBH	Photo No.	Decay Class (1-5)	No. of Cavities	Height and Type of Cavities				
					The state of the s						

Stick Nests:

Contains large stick nests?

□-Y\* / □-N / □-Unknown, no access (\*if yes, describe in table below)

STICK NEST(S) IDENTI	TICK NEST(S) IDENTIFIED										
UTM	Tree ID	Tree Spp.	Nest Size	Photo No.	Spp. Observed Using Feature						
7											

Seeps/Springs/Vernal Pools:

Contains seeps/springs/vernal pools?

□-Y\* / □-N / □-Unknown, no access (\*if yes, describe in table below)

SEEP / SPRING / VERNAL POOL FEATURE(S) IDENTIFIED										
UTM	Feature No. & Type	Feature Size (Diameter)	Water Depth	Photo No.	Sub/Emergent Veg. Spp. Present?	Shrubs/ Logs at Edge Present?				
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					

CA=carcass: DP=distinctive parts: FE=feeding evidence; FY=eggs/nest: HO=house/den; OB=observed: SC=scat; SI=other sign: TK=track: VO=vocalization

Stantec	Stantec Consulting 1 – 70 Southgate Di Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493	Poly 9-		oadside EL nd & Wildlife sessment F	e Habitat
Project Number Date	10-130	269 ne 2012	Project Name: Field Personnel:	A. Duch	arme
Weather Conditions:	TEMP (°C):	WIND:	cloud:	PPT:	PPT (in last 24 hrs
		•	POLYGON DES	CRIPTION	
			TOPOGRAPHIC F	EATURE	HISTORY
ELC  COMMUNITY DESCRIPTION & CLASSIFICATION	POLYGON:  START TIME:  END TIME:	1-9 9:10 9:30	□ LACUSTRINE □ RIVERINE □ BOTTOMLAND □ TERRACE □ VALLEY SLOPE □ VABLELAND □ ROLL. UPLAND □ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	EMATURAL E CULTURAL
STAND DESCRIP	PTION:				
LAYER	HT CVF		ES IN ORDER OF D ATER THAN; >GRE		
1 CANOPY	2 1	-ACES AS	ATER THAN, PURE	ATENTIMAN, AE	SOUT EQUAL TO
2 SUB-CANOP	1211	CRATCO	OCC / PRUN	JIRG > ACT	ESASA
3 UNDERSTOR	EY 4-5 4	CORRACE	STYPAN	GU > CRAT	COCC
4 GRD. LAYE	₹ 6-7 2	arasses	STYPANO	SU SSOL	ANA
HT CODES: CVR CODES:		-	0m 4=1 <hts2m 5="0.&lt;br">CVR≤25% 3=25<cvr≤< td=""><td></td><td></td></cvr≤<></hts2m>		
	:	<10	10 – 24	25 - 50	N >50
STANDING SNAGS		N=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N	I/O=Not observed
				MATURE	OLD GROWT
STANDING SNAGS ABUNDANCE CODES STAND MATURITY		YOUNG	MID-AGE	WATURE	
ABUNDANCE CODES	: PIONEER		MID-AGE hicket Hedgerow	CODE:	UT1-4?
ABUNDANCE CODES: STAND MATURITY VEGETATION TYPE Gr	: PIONEER			CODE	ut1-4?

BUNDANCE CODES: N=NONE R=RARE O=		LA	/ER	11 30 10	DISTANCE	CHURSOL	
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL
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-RAT COCC	300-	A	0	N	A	_	
PRUNNIRG	-	0	N	N			
FAGGRAIN SUNVIRG	-	R	K	2	R		i i
SUNVIRG		K	<i>N</i>	N	R		
RUBS:							,alán
(ORRACE		D	D	N	D		<u>S1</u>
OUND:							朝田
JP ANGU			A	A	A	<del></del>	
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GRASS Sp.			0	A	A		
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	1				-	-	
	L	L	L	<u> </u>	<u>I</u>		L

(Field Personnel)

ELC Polygon: #Q -	Assess	sment Type:	⊡-Vi	isual; nc	) acces	ss / 🔲-	-Walk throu	ıgh feature			
Extent of Physical Inve	estigation	of Feature:	<b>□</b> -Er	ntire / 🛚	-Partia	ıl, wall	k through p	olygon <i>(inc</i>	dicate on map)		
Reptile / Bat Hiber	nacula Fe		□-Y* [i.e. for bridge Contact □-Y*	* / @-N / features th se abuumen tains pot * / @-N /	/ □-United that would not some or extended to the control of the c	knowr ld provi ulverts bat hib knowr	ide a route un with cracks/c bernacula fe	ss (*if yes, conderground, inderground, in centry points, features? ss (*if yes, conderground)	describe in table including buried	concrete vices or i	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBERN	NACULA F								1 2	~.	
UTM		J	Featu	ure Desc	ription			Photo No.	. Spp. (	)bservec	d Using Feature
					,						N. C.
Bat Roosting Feat		[i.e. tall tree	I / □- es wit	-Unknow th open	vn, no a surroui	access	s (*if yes, d	lescribe in t icm, side-fa	table below) acing cavities ~	-10m hiş	gh in tree]
UTM	Tree ID	Tree Spp		DBH	Photo	o No.	Decay Cla	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
							2700,		1101 01 0011111	1 111-8	tana ijpe oi carrii.
										<u> </u>	
Stick Nests:			Conf	ntains lar /* / 업-N	ge stic	k nest	ts? n, no acces	ss (*if yes,	describe in tab	le belov	v)
STICK NEST(S) IDEN	ATIFIED	Tree ID		Tree	Spp.		Nest Size	Photo No	Snn	Ohearve	A II-ing Footure
Uziva		I ree in		1100	Ֆրթ.		Nest Size	Fnoto 140	չ որի.	Ubsei ve	ed Using Feature
			<u> </u>								
Seeps/Springs/Ver			□-Y	/* / @-N	/ 🔲 - Un	rings/ nknow	vernal pools	s? ss <i>(*if yes</i> ,	describe in tab	le belov	v)
SEEP / SPRING / VER	RNAL POO	L FEATURE				T			10.15		
UTM	Feat	iture No. & Ty	/pe	Feature (Diame		Wa	nter Depth	Photo No.	Sub/Emerge Spp. Pres		Shrubs/ Logs at Edge Present?
							***************************************				
SPECIES & HABITAT	ΓOBSERV	ATIONS (list	spec	cies and	type of	obser	vation & in	dicate on m	rap)		
											3 9 9
											*

CA=carcass: DP=distinctive parts: FE=feeding evidence; FY=eggs/nest: HO=house/den; OB=observed: SC=scat; SI=other sign: TK=track: VO=vocafization

509/karvel160950269/planning\drawing\mxd\20120423\_NHA\_Fieldmaps\160950269\_Release\_17\_ELC\_Collector\_Map\_Book\_20120613.mxc ed: 2012-06-14 Bvr bcowner

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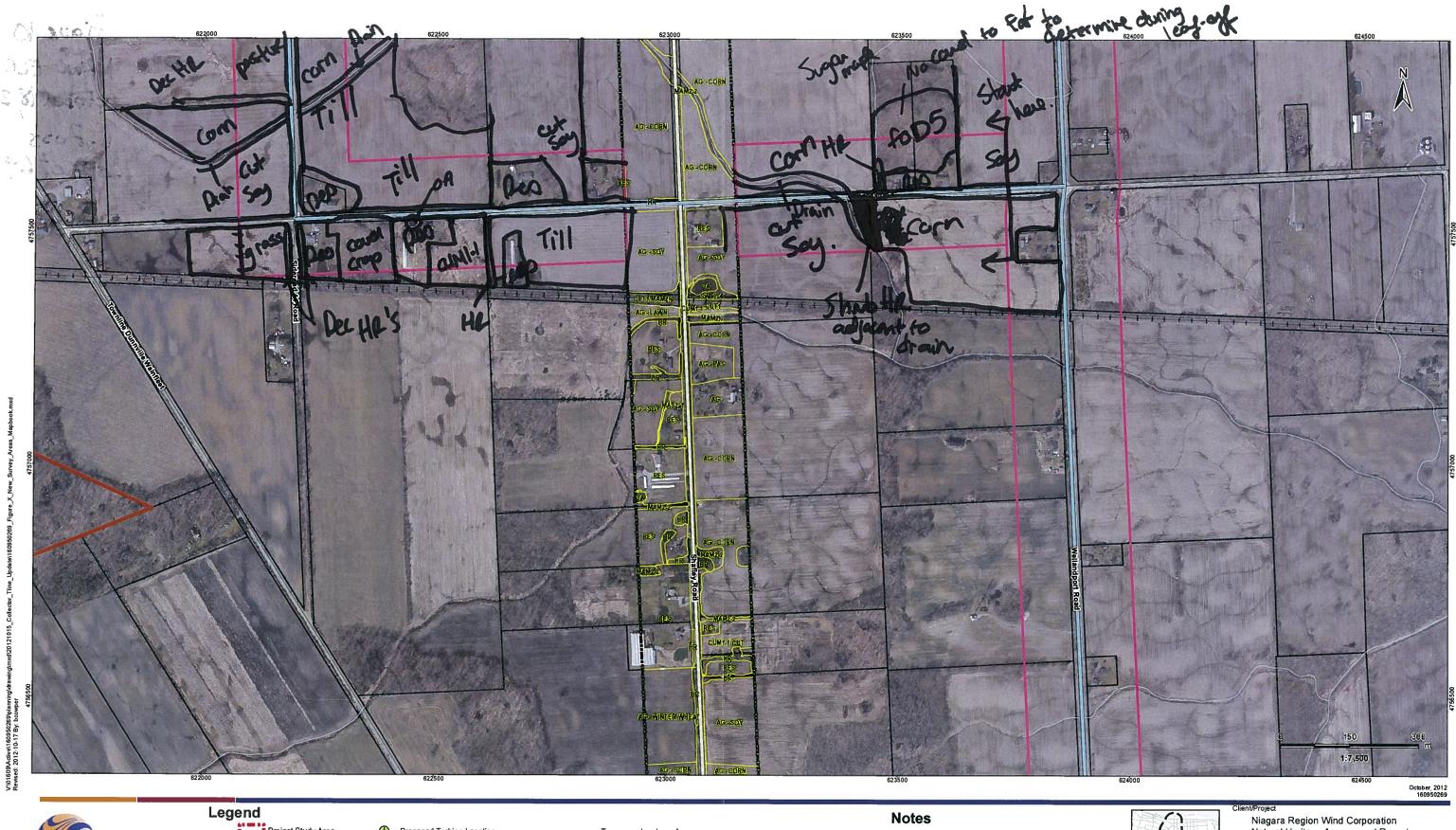
Stantec	Stantec Consu 1 70 Southga Guelph, ON Canada N1G 4 Tel: (519) 836-6 Fax: (519) 836-	6050	) -	oadside El nd & Wildlif sessment F	ie Habitat
Project Number:	1609	50269	Project Name:	NRWC	ELC
Date:	27:	Sune 2012	Field Personnel:	A. Duc	hame
Weather Conditions:	TEMP (°C)	wind:	crond:	PPT:	PPT (in last 24 hrs
		0	POLYGON DES	CRIPTION	
			TOPOGRAPHIC F	EATURE	HISTORY
ELC  COMMUNITY DESCRIPTION & CLASSIFICATION	POLYGON: START TIME: END TIME:	10-1	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL, UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAV ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	NATURAL E D'OULTURAL
STAND DESCRIF	TION:				
LAYER	нт	CVP 1	IES IN ORDER OF D ATER THAN; >GRE		
1 CANOPY	2	3 QUEALP			
2 SUB-CANOP		3 GUEAL	BATCORRI	ACE	
3 UNDERSTORI		1 GRASS	\$0-		
4 GRD. LAYER	100	4 6 RASS 2=10 <ht<25m 3="2&lt;HT&lt;1&lt;/td"><td>90 r</td><td>5<ht≤1m 6="0.2&lt;H&lt;/td"><td>E-0.5 W</td></ht≤1m></td></ht<25m>	90 r	5 <ht≤1m 6="0.2&lt;H&lt;/td"><td>E-0.5 W</td></ht≤1m>	E-0.5 W
CVR CODES:		1=0% <cvr≤10% 2="10&lt;&lt;/td"><td></td><td></td><td></td></cvr≤10%>			
STANDING SNAGS	:	R <10	N 10-24	N 25 - 50	N >50
ABUNDANCE CODES:		N=NONE R=RARI	E O=OCCASIONAL	A=ABUNDANT	N/O=Not observed
STAND MATURITY	PIONEER	YOUNG	MID-AGE	MATURE	OLD GROWT
VEGETATION TYPI	E: Noch Whit	le Oak Deciduo	c Foret Hodgeme	CODE: HOD	/
	IPLEX			CODE:	
Evidence of Dist					

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER ABUNDANCE CODES: N=NONE R=RARE 0=OCCASIONAL A=ABUNDANT D=DOMINANT N/O=Not observed DISTANCE FROM RD. LAYER COLL. SPECIES CODE >5 m ≤5 m 1 2 3 4 TREES: QUEALBA 0 SHRUBS: CORRACE 0 GROUND: BRASS D 50.

Signature:	Aik	Quality Control:This form is complete
	(Field Personnel)	(Project Manager)

Extent of Physical Inv	estigatio	on of Feature:	□-E	ntire / 🗆	l-Partia	i, wail	through p	olygon <i>(in</i>	ndica	te on map)		
Reptile / Bat Hiber		Contains potential reptile hibernacula features?  —Y* / ☐-N / ☐-Unknown, no access (*if yes, describe in table below)  [i.e. features that would provide a route underground, including buried concrete or rock (e.g. foundations, bridge abutments or culverts with cracks/entry points, exposed rock crevices or inactive animal burrows)  Contains potential bat hibernacula features?  —Y* / ☐-N / ☐-Unknown, no access (*if yes, describe in table below)  [i.e. karst topography, abandoned mines or caves]										
POTENTIAL HIBERN	NACULA					acana	AICH HITTOS O	1 caves				
UTM				ure Desc				Photo No	0.	Spp. O	bserve	d Using Feature
				2					_			
			************	***************************************	<del></del>	•••••••••••••••••••••••••••••••••••••••			-			
Bat Roosting Feat	ures:	Contains po □-Y* / ⊡-N [i.e. tall tree	/ 🗅	-Unknov	vn, no a	access	s (*if yes, d	<i>escribe in</i> cm, side-	<i>table</i> facin	e below) g cavities ~	10m hiç	gh in tree]
POTENTIAL BAT RO		,										
UTM	Tree I	D Tree Sp	р.	DBH	Photo	No.	Decay Cl	ass (1-5)	No.	of Cavities	Heigh	t and Type of Cavitie
			****									
Stick Nests:			Cor	ntains lar	ae stic	k nest	s?					
			□-Y	/* / <del>D</del> -N	/ 🗖 - Un	know	n, no acces	ss (*if yes,	des	cribe in table	e belov	v)
STICK NEST(S) IDEN	TIFIED							1				
UTM		Tree ID	Tree Spp. Nest Size			Nest Size	Photo N	0.	Spp. C	bserve	d Using Feature	
									27			
Seeps/Springs/Ver	nal Po	ols:	Cor	ntains se ∕* / <b>⊡</b> -Ñ	eps/sp / 🗀-Un	rings/\	vernal pool	s? ss (*if yes,	des	cribe in table	e belov	v)
SEEP/SPRING/VER	RNAL PO	OOL FEATURE										
UTM	F	eature No. & T	ype	Feature (Diam		Wa	ter Depth	Photo No	o. S	Sub/Emergen Spp. Prese		Shrubs/ Logs at Edg Present?
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		***************************************										
SPECIES & HABITAT	Γ OBSEI	RVATIONS (list	t sne	cies and	tyne of	obser	vation & in	dicate on 1	man)			
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Project Study Area
Interconnector Study Area Signed Property

Potential Signed Property 120m Zone of Investigation

Additional Survey Area **ELC Boundary** 

Proposed Turbine Location Turbine Blade Length

Tap-in Location

\* Potential Transformer Station Location

Junction Box

Preferred Transmission Line Route

Potential Alternative Transmission Line Routes

Temporary Laydown Area

Collector Lines - Underground or Overhead

==== Fibre Optic Line

■ ■ Potential Access Road

Potential Construction Laydown Area Transformer Substation

- 1. Coordinate System: NAD 1983 UTM Zone 17N).
- Base features produced under license with the Ontario Ministry of Natural Resources € Queen's Printer for Ontario, 2011.
- Orthoimagery source: First Base Solutions, Date Spring 2010.



Natural Heritage Assessment Report

Figure No.

X.10

**Potential Additional Survey Areas** Figure X.10



Figur 16
NAMC ELC
october 18, 2012
C. Poss
60950269

ELC	SITE:	NR	wC			POLYGON:   - A		ELC	SITE:	14.								
COMMUNITY	SURVE	YOR(	S): _	Ross	DATE:	Jer 18, 2012	UTME:	COMMUNITY	POLYGO	ON:								
<b>DESCRIPTION &amp;</b>	START:			ND:	UCFOI	DTMZ:	UTMN:	DESCRIPTION &	DATE:									
CLASSIFICATION	<u> </u>							CLASSIFICATION	SURVE	(OR(S)	:							
POLYGON DES	581 350	St. **		TOPOGRAPHIC		3 15/44 2 3 3 4 5	1 C. 1 S. 1 S. 1 S. 1 S. 1 S. 1	LAYERS: 1=CA				-CANOF					RD.) LAY	
SYSTEM	SUB	STRA	TE	FEATURE	HISTORY	PLANT FORM	COMMUNITY	ABUNDANCE C	ODES: N		E H=	HAKE	0=00	CASIONAL A=ABUNI	JANI	LAYE	OMINAN	11
TERRESTRIAL	ORGA	ANIC		LACUSTRINE RIVERINE	D-MATURAL.	☐ PLANKTON ☐ SUBMERGED	□ LAKE □ POND	SPECIES COL	)E	-	3	4	COLL	SPECIES CODE	1	2		4 COLI
□ WETLAND	DMINE	RAL S		BOTTOMLAND	CULTURAL	FLOATING-LVD.		0.00		_	9	100	101210E	. 1.46	50.00	3.00	0	
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E AQUATIC	D PARE	141 IAI	···  t	TABLELAND		LICHEN	□ SWAMP	dute elm			+			Sensitive few		$\dashv$	R-	_
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STAND COMPOSI	TION:						BA:			+	<del>                                     </del>							
SIZE CLASS ANA	LYSIS:			0 <10	A 10 – 24	25 – 50	>50											
STANDING SNAG	S:			Z <10	0 10-24	N 25 - 50	<i>V</i> >50					-						
DEADFALL/LOGS	:			A <10	0 10-24	0 25 - 50	N >50				14							
ABUNDANCE CODES	S:			I=NONE R=RA	**	NAL A=ABUND	ANT									$\rightarrow$		
COMM. AGE:	PIC	DNEEF	₹	YOUNG	MID-AGE	MATURE	OLD GROWTH								$\vdash$			-
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COMMUNITY C	LASSIF	ICAT	ПОN:					Alt-lowedda	21.00	+	12					-+	- 7	
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ECOSITE:						CODE:		blue book	r +	$\top$	b-A	1	$\overline{}$		$\vdash$	$\rightarrow$	+	+
VEGETATION TYP	E:	1. 1	1	1 de de	-1 -1	CODE: CODE	-5	Poisoning		10.	4					$\dashv$	$\top$	+
Sugar	mayou	e- v	MAGA	sood docid	CUS SCREOT	CODE: F-CD6	3	U		10	1//	-		Ovelity Control This fo				ساست
INC	LUSION		<u> </u>	Freevan map	Le pix swamp	CODE: SWD	3	Page of Signature: /	00	4	1	2		Quality Control:This fo	111115 CC	mpiete	- a leí	gible CI.
	MPLEX		+			CODE:		Signature.	See (Fig	eld Pers	onnel)	1970		oignature.	(P	roiect M	lanager)	)
Evidence of Dis	turban	ce / I	Notes:	- abel =			/.	)	(, ,,						<b>,</b> ,	. ,		•
				WI COM	er of po	iot loggina	Clark 5-tu	100)										
			9	and laye	n most1	a died br	Clarge 5 ten	W:\resou	rce\internai in	fo and Tea	ams\FIELD	FORMS	egetation\	ELC\elc-woodland-wildlife-habitat-fo	:m.docx /	(DERIVED	FROM LE	E ET AL., 19
			_	O		7												

Stantec Consulting Ltd.

Stantec	Woodland & Wildlife Habitat Assessment Form								1		
Project Number:	60950	269				Proj	ect Name:	NRWC	2		
Date:		er 19,20	12			Field F	Personnel:	NRWC C.ROSS			
	TEM	P (°C):	WIN	ID:		CLOU	ID:	PPT:		PPT (in	last 24 hrs):
Weather Conditions:	13	5	4			800	10	raiwate	alca		nove
ELC Polygon: # [[- A								7110	EAUY!		
Reptile / Bat Hiberr		[ ] } [	(i.e. features the bridge abutine Contains po D-Y* / D-N , (i.e. karst topo	/ D-Unle hat would not so rectification to tential the legislation of	knowr d provi alverts oat hik knowr	n, no acces ide a route un with cracks/o pernacula fo n, no acces	s (*if yes, nderground, entry points eatures? s (*if yes,	describe in table including buried , exposed rock cre describe in table	concrete vices or i	or rock (e.) nactive an	
POTENTIAL HIBERN UTM	ACULA FI		IDENTIFIE Feature Desc			****	Photo No	Spp. (	Theoryac	l Using Fo	agtura
				a iption							
Bat Roosting Featu		[i.e. tall tree	/ <b>□-Unknov</b> s with open	vn, no a surrour	access	s (*if yes, d		table below) facing cavities ~	10m hiç	gh in tree	
UTM	Tree ID	Tree Spp	. DBH	DBH Photo No.		Decay Cla	ass (1-5)	No. of Cavities	Heigh	ht and Type of Cavities	
Stick Nests:			Contains lar □-Y* / ⊡-Ñ	rge sticl / 🔲-Un	k nest knowr	s? n, no acces	ss (*if yes,	describe in tab	le below	v)	
STICK NEST(S) IDEN UTM	<del></del>	Tree ID	Two	Cmm		Nest Size	Photo N	S	Obsassia	d Flains T	·
OTW		Tree ID	1100	Spp.		Nest Size	THOUTH	о. зрр.	Obsei ve	d Using F	eature
Seeps/Springs/Ver		1		/ 🗀-Un				describe in tab	le belov	v)	
UTM		ire No. & Ty	Footne	e Size	Wat	ter Depth	Photo No	Sub/Emerge Spp. Pres			Logs at Edge resent?
622475 475499	2 1/6	nalpol	Yom	-	hou	(Fall)	35	hla		<del>                                     </del>	ngS
SPECIES & HABITAT	OBSERVA	ATIONS (list	species and	type of			dicate on	map)		1	<u> </u>
RCKI										O.	

CA=carcass; DP=distinctive parts; FE=feeding evidence; FY=eggs/nest; HO=house/den: OB=observed: SC=scat; SI=other sign: TK=track; VO=vocalization

Stantec	Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph ON Canada N1G 4P5 Tel. (519) 836-6050 Fax: (519) 836-2493		Roadside ELC, Woodland & Wildlife Habitat Assessment Form						
Project Number:	60950269		Project Name:	NEWC					
Date:	actober 18,2012		Field Personnel:	C. Pajette					
Veather Conditions:	TEMP (°C): WIND	);	cloud: 80%	PPT:	PPT (in last 24 hrs):				
	,		POLYGON DESCRIPTION						
			TOPOGRAPHIC F	EATURE	HISTORY				
ELC	POLYGON: 11B START TIME:		□ LACUSTRINE □ RIVERINE □ BOTTOMLAND □ TERRACE □ VALLEY SLOPE	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR	□ NATURAL □ CULTURAL				
DECODIDATION 9	END TIME:		TABLELAND	SAND DUNE					

## **STAND DESCRIPTION:**

Evidence of Disturbance / Notes:

END TIME:

CLASSIFICATION

_				*							
	LAYER	нт	CVR			OF DECREASING DOMINANCE GREATER THAN; = ABOUT EQUAL TO)					
1	CANOPY	2	4	white sprice = blue sprice = working Sprice							
2	SUB-CANOPY				7		) V				
3	UNDERSTOREY										
4	GRD. LAYER	5-7	3	91000081	>						
T	CODES:	1=>25m	2=10<+			.5 <ht≤1m 6="0.2&lt;I&lt;/td"><td>HT≤0.5m <b>7=</b>HT&lt;0.2m</td></ht≤1m>	HT≤0.5m <b>7=</b> HT<0.2m				
:VF	R CODES:	0=NONE	1=0%<	CVR≤10% 2=10 <c< td=""><td>VR≤25% <b>3=</b>25<cvr< td=""><td>\$60% <b>4=</b>CVR&gt;60%</td><td>N/O=not observed</td></cvr<></td></c<>	VR≤25% <b>3=</b> 25 <cvr< td=""><td>\$60% <b>4=</b>CVR&gt;60%</td><td>N/O=not observed</td></cvr<>	\$60% <b>4=</b> CVR>60%	N/O=not observed				
iT/	ANDING SNAGS:			N <10	10-24	25 - 50	>50				
BL	INDANCE CODES:		N	=NONE R=RARE	O=OCEASIONAL	A=ABUNDANT	N/O=Not observed				
TA	AND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH				
Æ	GETATION TYPE: Space	Cult	ural	2 plantat	icn I	CODE: CUP	3-12				
T	COMPLI			CODE:							

☐ TABLELAND ☐ SAND D☐ ROLL. UPLAND ☐ BLUFF☐ CLIFF

SHRUBS: GROUND:

ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT D=DOMINANT N/O=Not observed

LAYER

4=GROUND (GRD.) LAYER

DISTANCE FROM RD.

>5 m

≤5 m

COLL.

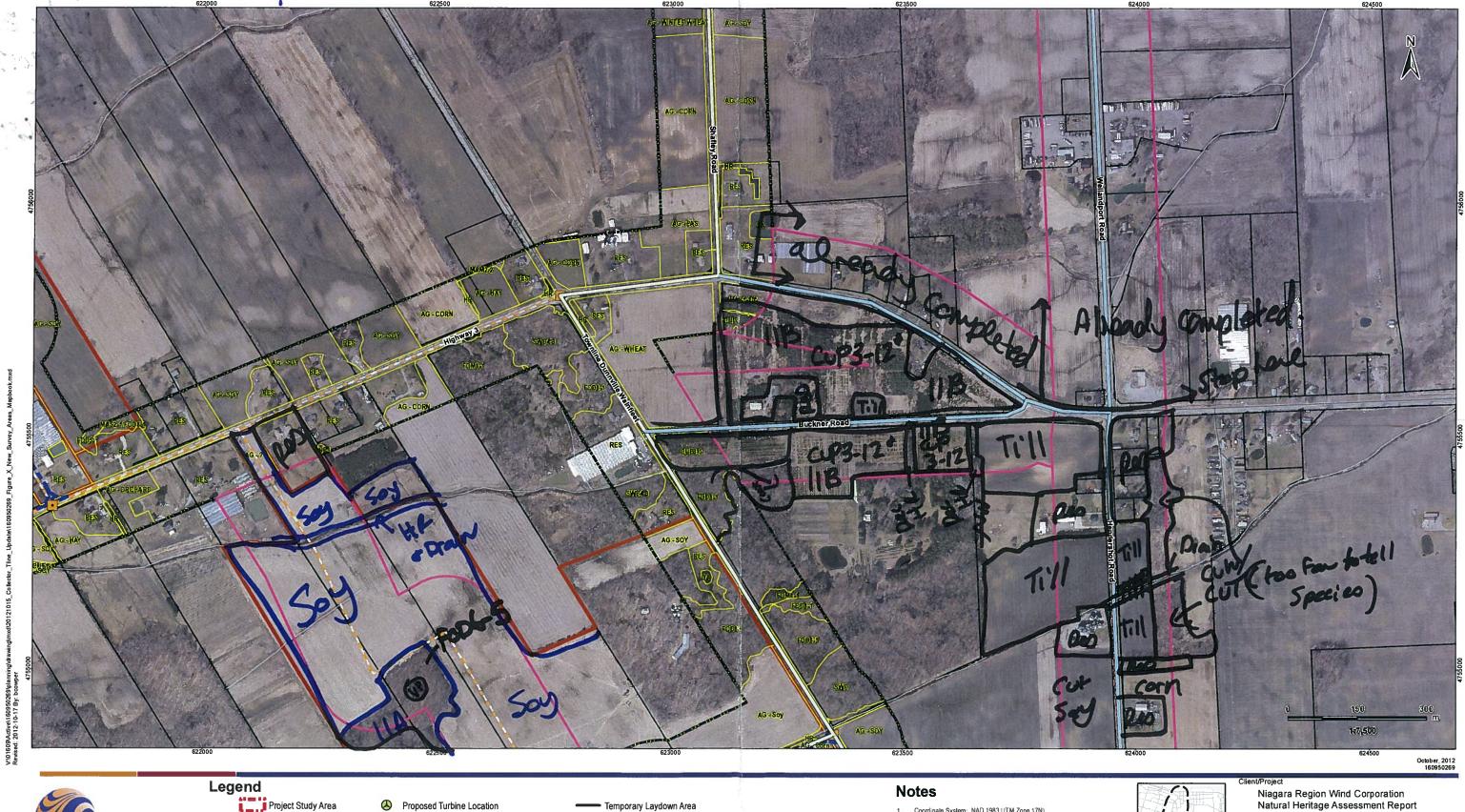
LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY

SPECIES CODE

TREES:

	l	l		1			
					11		
Signature: (Field Personnel)			y Contro ignature		rm is comple	ete 🛘 & legib	le 🔾.
(Field Personnel)					(Project	Manager)	
1441 14-1 14-1 14-1 17 17 17 17 17 17 17 17 17			4				

ELC Polygon: # (1)	Asses	sment Type: ಕ	<b>₫-</b> Visual; n	o access / 🗆	-Walk throu	gh featur	е					
Extent of Physical Inv	- estigation	of Feature:	<b>3</b> -Entire / 0	⊒-Partial, wal	k through p	olygon <i>(ir</i>	ndicate on map)					
Reptile / Bat Hiber		[ ] ( [	□-Y* / □-N i.e. features to ridge abutm Contains pool □-Y* / □-N i.e. karst top	that would provents or culverts of culverts otential bat hid a discount of the cult of the	n, no acces ride a route ur with cracks/o bernacula fo n, no acces	s (*if yes, nderground entry points eatures? s (*if yes,	describe in table, including buried o	onerete or rock (e.g. foundations, rices or inactive animal burrows)]				
POTENTIAL HIBER! UTM	NACULA I		IDENTIFIE Feature Des			Photo No. Spp. Observed Using Feature						
						Spp. 0	baci vol Cang Pelitere					
Bat Roosting Feat		□-Y* / □-N [i.e. tall tree	/ 🗹-Unkno s with open	surrounding	s (*if yes, d	escribe in icm, side-	ntable below) facing cavities ~	10m high in tree]				
POTENTIAL BAT RO UTM	Tree ID	Tree Spp				ass (1-5)	No. of Cavities	Height and Type of Cavities				
					,			3,700				
Stick Nests:	· · · ·		Contains la □-Y* / □-N	rge stick nes	ts? m, no acces	ss (*if yes	, describe in tabl	e below)				
STICK NEST(S) IDEN	TIFIED											
UTM		Tree ID	Tre	Tree Spp. Nest Size			lo. Spp. (	Observed Using Feature				
		31										
Seeps/Springs/Ver	rnal Pool	s:	Contains se □-Y* / □-N	eeps/springs/	vernal pool	s? ss (*if ves	, describe in tabl	e helow)				
SEEP / SPRING / VEF	RNAL POO				,	, <del>o</del> ( ) oo,	, 4000,,20 (45)	0 00000				
UTM	Fea	iture No. & Ty	pe Featur (Dian	I W	ter Depth	Photo No	Sub/Emerger Spp. Prese					
SPECIES & HABITA	Γ OBSERV	/ATIONS (list	species and	type of obser	vation & inc	dicate on	man)					
		(100		, po o								
19												





3-100

Project Study Area Interconnector Study Area Signed Property

Potential Signed Property 120m Zone of Investigation Additional Survey Area

ELC Boundary

Proposed Turbine Location Turbine Blade Length

Tap-in Location

\* Potential Transformer Station Location

Junction Box

Preferred Transmission Line Route

Potential Alternative Transmission Line Routes

Collector Lines - Underground or Overhead

---- Fibre Optic Line

Potential Access Road

Potential Construction Laydown Area Transformer Substation

- 1. Coordinate System: NAD 1983 UTM Zone 17N).
- Base features produced under license with the Onlario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.
- Orthoimagery source: First Base Solutions, Date Spring 2010.

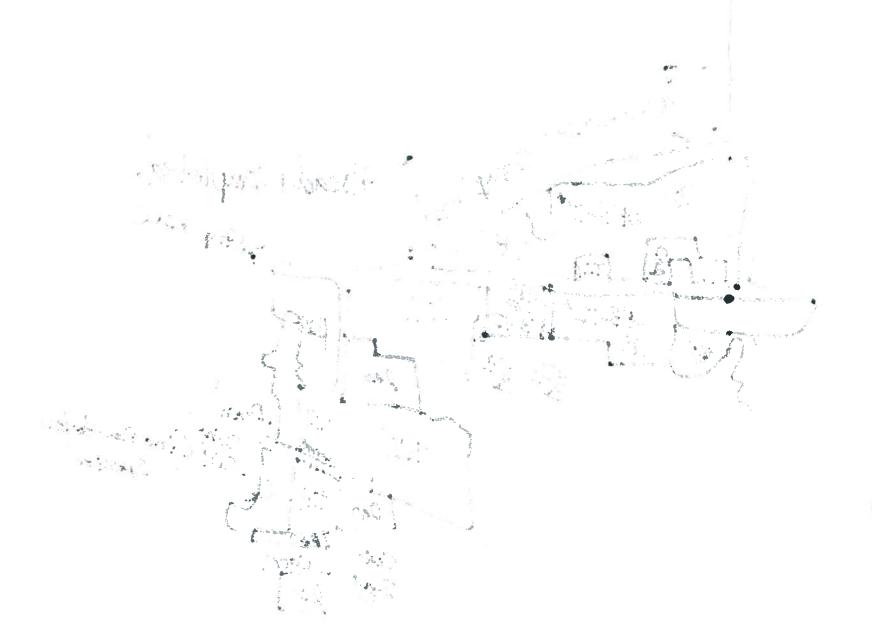


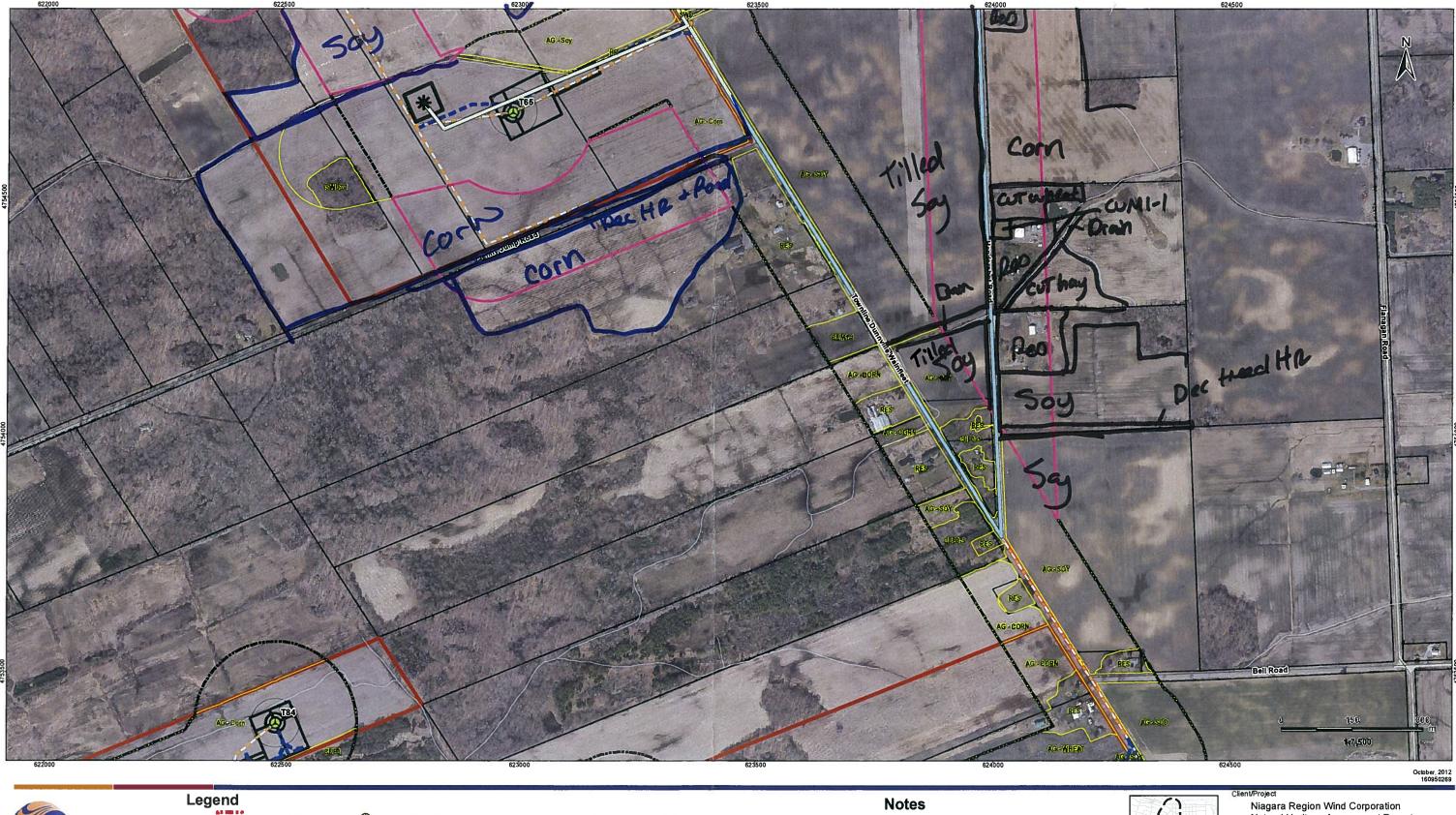
Figure No.

X.11

**Potential Additional Survey Areas** Figure X.11

Figure 11
NRWC ELC
OCT18, 2012
C. Ross
60950269







V101609/Adive\160950269\psi

Project Study Area Interconnector Study Area Signed Property Potential Signed Property

120m Zone of Investigation Additional Survey Area **ELC Boundary** 

Proposed Turbine Location

Turbine Blade Length Tap-in Location

\* Potential Transformer Station Location

Junction Box

Preferred Transmission Line Route

Potential Alternative Transmission Line Routes

Temporary Laydown Area

Collector Lines – Underground or Overhead

---- Fibre Optic Line

■ ■ Potential Access Road

Potential Construction Laydown Area Transformer Substation

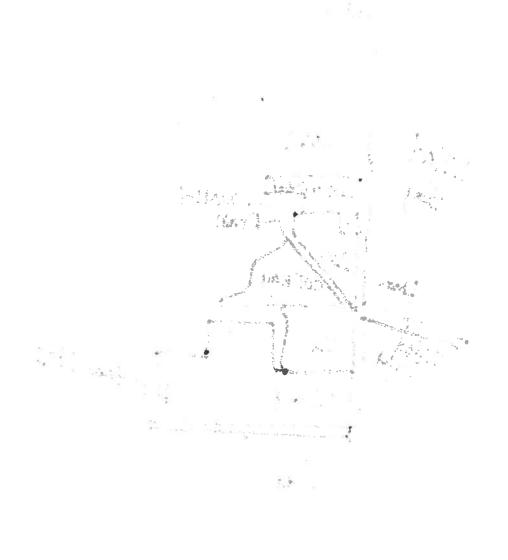
- t. Coordinate System: NAD 1983 UTM Zone t7N),
- Base features produced under license with the Ontario Ministry of Natural Resources € Queen's Printer for Ontario, 2011.
- Orthoimagery source: First Base Solutions, Date Spring 2010.

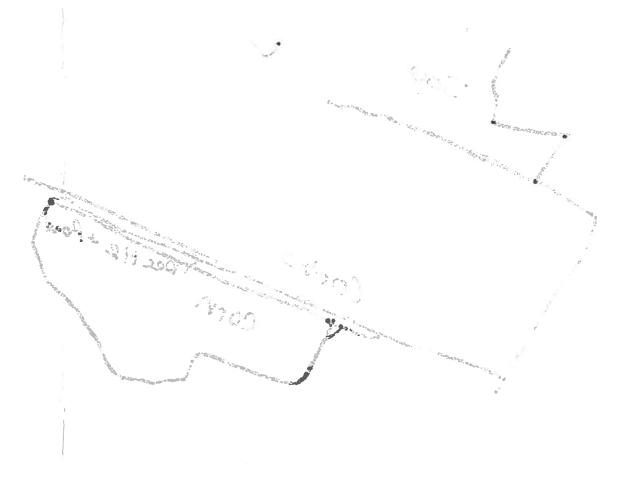


Niagara Region Wind Corporation Natural Heritage Assessment Report

X.12

**Potential Additional Survey Areas** Figure X.12





	Stantec Con 1 – 70 South Guelph, ON Canada N10 Fel: (519) 836 Fax: (519) 83	gate Drive 3 4P5 3-6050		Roadside ELC, Woodland & Wildlife Habitat Assessment Form						
Project Number:	6095	0268	1	Project Name:	NRWC					
Date:	act		1012	Field Personnel:	C. Po55					
Veather Conditions:	TEMP (°	C):	WIND:	SC40	PPT: Nove	PPT (in last 24 hrs):				
				POLYGON DESCRIPTION						
				TOPOGRAPHIC F	EATURE	HISTORY				
ELC S	OLYGON: TART TIM ND TIME:	13 <i>1</i>	4	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	□ NATURAL □ CULTURAL				
TAND DESCRIPT	ION:									
LAYER	нт	CVR			ECREASING DOMI ATER THAN; = ABO					
1 CANOPY	2	3	Freenanha							
2 SUB-CANOPY				1						
3 UNDERSTOREY	′									
# GRD. LAYER	5-7	4	gelder sed	Sp= Ked	Conay GICVE	<i>y</i>				
IT CODES:				0m 4=1 <ht≤2m 5="0.5&lt;HT≤1m" 6="0.2&lt;HT≤0.5m" 7="HT&lt;0.2m&lt;br">CVR≤25% 3=25<cvr≤60% 4="CVR">60% N/O=not observed</cvr≤60%></ht≤2m>						

Cultural COMPLEX CODE: **Evidence of Disturbance / Notes:** 

10 - 24

O=OCCASIONAL

MID-AGE

25 - 50

A=ABUNDANT

MATURE

CODE:

>50

OLD GROWTH

N/O=Not observed

<10

R=RARE

N=NONE

YOUNG

PIONEER

TANDING SNAGS:

BUNDANCE CODES:

STAND MATURITY:

**EGETATION TYPE:** 

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER

ABUNDANCE CODES: N=NONE R=RARE O=	I CCASI	LA'	YER	DANI L	DISTANCE	FROM RD.	16/01/69/19/1
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
REES:							
Scots pine	O						
Scotspine Freeman's maple	0-A	T.					
					<b> </b>		
			<u> </u>	<b> </b>			
					<del>                                     </del>		$\vdash$
SHRUBS:	AL ENGLY	1666036	En al Car	1225 17	GENERAL STATES		4115,1525
STROBS.	STEETA!	SEREPHIE		Child in it.		#154.K4558.T	23/50
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,							
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a-10000 rack Sep			:	A			
Jen xiii i i i i i i i i i i i i i i i i i							
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					170		
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	Doffen floor	Quality Control:This form is complete   & legible   .
Signature:	Coffee BUDOT	Signature:
	(Field Rersonnel)	(Project Manager)

	<b>1</b>	4 7				187 12 41				
ELC Polygon: # 3/		sment Type:					_	#:		
Extent of Physical In	vestigation	or reature:	u-Entire / t	J-Partia	ai, wai	k through p	olygon (inc	iicate on map)		
Reptile / Bat Hibe			□-Y* / □-N [i.e. features: bridge abutm Contains po □-Y* / □-N [i.e. kurst top	/ 2-Un that woul ents or co otential / 2-Un ography,	know Id prov ulverts bat hil iknow	ide a route un with cracks/o bernacula f	is (*if yes, conderground, interpretation of the control of the co	describe in table in table in cluding buried o	onerete vices or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBER UTM	NACULA F		IDENTIFII Feature Des				Photo No.	S 0	\h	I IIaina Faataan
UTIV			reature Des	cription			FROLO NO.	Spp. C	oservec	l Using Feature
							`			
			p. (e) (i)					***		
Bat Roosting Feat			/ 🗷 Unkno s with oper	wn, no a surrou	acces	s (*if yes, d	<i>lescribe in t</i> icm, side-fa	rable below) acing cavities ~	10m hiç	gh in tree]
POTENTIAL BAT ROUTH	OOSTING F	FEATURE(S) Tree Spp		ED Photo	o No	Decay Cl	ass (1-5)	No. of Cavities	Haigh	t and Type of Cavities
UIM	TICCID	ттее зрр	, DDII	THOU	0 110.	Decay Ci.	ass (1-3)	140. Of Cavities	Heigh	t and Type of Cavides
Stick Nests:			Contains la	irge stic I / <b>⊡</b> -Ur	k nes iknow	ts? n, no acces	ss (*if yes, e	describe in tabl	e belov	v)
STICK NEST(S) IDE										
UTM		Tree ID	Tre	e Spp.		Nest Size	Photo No	. Spp. (	Observe	d Using Feature
			46							
Seeps/Springs/Ve	rnal Pools	<b>&gt;</b> :	Contains so □-Y* / □-N	eeps/sp	rings/ nknow	vernal pool n, no acces	s? ss (*if yes, o	describe in tabl	e belov	v)
SEEP / SPRING / VE		-	The state of the s		1		<u> </u>	C.1./E	4.87.	
UTM	Feat	ture No. & Ty	/pe Featur (Dian		Wa	ter Depth	Photo No.	Sub/Emerger Spp. Preso		Shrubs/ Logs at Edge Present?
				***************************************		<del></del>			unus-meani-	
SPECIES & HABITA	T OBSERV	ATIONS (list	species and	type of	obser	vation & in	dicate on m	ар)		
								10		

CA=carcass: DP=distinctive parts: FE=feeding evidence; FY=eggs/nest: HO=house/den; OB=observed: SC=scat; SI=other sign: TK=track: VO=vocafization

B	Stantec Cons 1 70 Southo Guelph, ON Canada N1G Fel: (519) 836 Fax: (519) 83	ate Driv 4P5 -6050		Roadside ELC, Woodland & Wildlife Habitat Assessment Form							
Project Number:	6095	016-		Project Name:	NAW						
Date: _	octob	ser l'	8,2012	Field Personnel:	CiRo	s5					
eather Conditions:	TEMP (°	C):	34	cloud: SC46	PPT: Vove	PPT (in last 24 hrs). Veve					
POLYGON DESCRIPTION ,											
				TOPOGRAPHIC P	EATURE	HIŞTORY					
ELC S	TART TIME	135	3	☐ LACUSTRINE ☐ PIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / C ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAF ☐ SAND DUNE ☐ BLUFF	CULTURAL					
TAND DESCRIPT	TION:										
LAYER	нт	CVR		S IN ORDER OF E TER THAN; >GRE		DOMINANCE = ABOUT EQUAL TO)					
CANOPY	2	4	Sgarne	pk Zecolow	ncollengum	d= Fremaisny					
SUB-CANOPY	1.		, ,		0 0	1					
GRD. LAYER	7	2	Mebaukg.		kiedald	<b>*</b>					
T CODES: VR CODES:	0=NONE			m 4=1 <ht≤2m <b="">5=0</ht≤2m>		<ht≤0.5m 7="HT&lt;0.2m&lt;br">% N/O=not observed</ht≤0.5m>					
TANDING SNAGS:	h/	ا د	<10	10 – 24	25 – 50	>50					
BUNDANCE CODES:			I=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT	N/O=Not observed					
TAND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH					
EGETATION TYPE:	Sigar	me	ple docic	(wis	CODE: FOI	)6					

CODE:

COMPLEX vidence of Disturbance / Notes:

BLJA RTHA AM PF

LAYERS: 1=CANOPY >10m 2=SUB-CANOP	PY 3=UNDERSTOREY 4	=GROUND (GRD.) LAYE	R
ABUNDANCE CODES: N=NONE R=RARE O=O	CCASIONAL A=ABUNDANT [	D=DOMINANT N/O=Not of	bserved
		DISTANCE FROM RD.	0011
SPECIES CODE	1 2 3 4	≤5 m >5 m	COLL.

		LA	YER	Services 1	DISTANCE	FROM RD.	
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
REES:					THE PARTY		
Freeman's neple  egstein coltanhood  red maple  Sugarmaple  white Im  Oak SP  trembling appar  Pin oak	0						
ecistein cottonwood	0						
redmaple	20						
Sugarnaple	D						
white Im	0						
caksp			R				0
trembling appar	2-0						
Pinoak	'R						
whiteoal	1		1				
			<u> </u>				
SHRUBS:							
ringularityrape)			6	ļ			
Redosie deguesa			R				
Buckhorw			R	ļ	<b></b>		
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GROUND:	1000			P. Carlo	表的主要发表		THE.
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Signature: Coffulliero	Signature:	
(Field Sersonnel)	(Project Manager)	

ELC Polygon: #13 F	Asse	ssment Type: 🏻	a-Visual; n	o acces	s / 🛚-	-Walk throu	gh featur	е			
Extent of Physical Inv	vestigatio	n of Feature: [	1-Entire / C	<b>]</b> -Partia	l, wall	k through po	olygon <i>(ir</i>	ndicat	e on map)		
Reptile / Bat Hiber	nacula I		I-Y* / □-N .e. features tridge abutmo contains po I-Y* / □-N	/ 🗗-Unithat would ents or culting I	knowid provulverts bat hill knowi		s (*if yes, iderground entry points eatures? s (*if yes,	desc , inclu , expo	ding buried cosed rock crev	onerete d lees or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBER	NACULA										
UTM		F	eature Des	cription		•	Photo N	Photo No. Spp. Observed			l Using Feature
Bat Roosting Feat		Contains pot □-Y* / □-N / [i.e. tall trees	with open	wn, no a surrou	acces	s (*if yes, de	escribe in cm, side-	<i>table</i> facing	e <i>below)</i> g cavities ~	10m hiç	gh in tree]
POTENTIAL BAT RO		<del></del>		7	- N.T	<b>D</b> GI	/4 #\	T	60 111		
UTM	Tree II	Tree Spp.	pp. DBH Photo No. Decay				ass (1-5)	No.	of Cavities	Heigh	t and Type of Cavities
Stick Nests:			Contains la	rao etic	k noci	200					
		(	]-Y*/	/ <b>2</b> -Un	know	n, no acces	s (*if yes	, desc	cribe in tabl	e below	()
STICK NEST(S) IDER	NTIFIED	Tree ID	Tro	e Spp.		Nest Size	Photo N	Io.	Spn C	hearva	d Using Footure
OTIV		Tree ID	1160	s Spp.		Nest Size	Filoto	10.	Зрр. С	DServe	d Using Feature
Seeps/Springs/Ve	rnal Poc	ols: (	Contains se ⊒-Y* / □-N	eps/sp / 🖸-Un	rings/ know	vernal pools n, no acces	s? s (*if yes	, desc	cribe in table	e below	()
SEEP / SPRING / VEI	RNAL PO	OL FEATURE(	1						1.45		
UTM	Fe	ature No. & Ty	Featur (Diam		Wa	ter Depth	Photo N	0.	ub/Emergen Spp. Prese		Shrubs/ Logs at Edge Present?
SPECIES & HABITA	T OBSER	VATIONS (list	species and	type of	obser	vation & inc	dicate on	man)			
				-,, p	0.0001	7441011 00 111		шъу			
CA=carcass: DP=distinct	ive parts: h	E-leeding eviden	ce; FY=eggs	/nest: H0	O=hou	se/den; OB=c	observed: S	C=sca	at; Sl=other s	ign: TK=	track: VO=vocalization

Stantec	Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel. (519) 836-6050 Fax: (519) 836-2493	•	Roadside ELC, Woodland & Wildlife Habitat Assessment Form						
Project Number:	60950269		Project Name:	NRWC					
Date:	october 18,2	-012	Field Personnel:						
/eather Conditions:	TEMP (°C).	WIND 3-4	CLOUD: 90% POLYGON DES	PPT: Vave	PPT (in last 24 hrs)				
			TOPOGRAPHIC F		HISTORY				
ELC COMMUNITY DESCRIPTION & LASSIFICATION	POLYGON; 3 C START TIME: END TIME:		☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	□ NATURAL □ CULTURAL				

#### SPECIES IN ORDER OF DECREASING DOMINANCE LAYER HT CVR (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO) CANOPY SUB-CANOPY UNDERSTOREY 5-7 4 Grass 50 7 gclowod 50 7 N.E.Aster. 1=>25m 2=10<HTk25m 3=2<HTs10m u=1<HTs2m 5=0.5<HTs1m 6=0.2<HTs0.5m 7=HT<0.2m GRD. LAYER T CODES: 0=NONE 1=0%<CVR<10% 2=10<CVR<25% 3=25<CVR<60% 4=CVR>60% N/O=not observed VR CODES: TANDING SNAGS: <10 10 - 2425 - 50**BUNDANCE CODES:** N=NONE R=RARE O=OCCASIONAL A=ABUNDANT N/O=Not observed MATURE OLD GROWTH TAND MATURITY: PIONEER YOUNG MID-AGE **EGETATION TYPE:** CODE: COMPLEX CODE:

Fallow turning to cultural heardon

:vidence of Disturbance / Notes:

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				1			
SHRUBS:	er de seranea	1057047	134 July 2	SERVICE	SECTION AND ALLER	E4 3850	22.7
SHRUBS.		1,440,0	A. P.		Profit Land Str.	1 3 1 2 1 2 3 3 5 5 °C	
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	1			<b>†</b>		<del> </del>	
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GROUND:	व सम्बद्ध	ARREST .	Bridge of	A STATE OF	产价 化新多量形式	San Calling	
	0.0	23/17/2002	National Action 5	17.15.00.00.00.00	CS SEGMENT STREET	7.6.	- 3
MERSTEU	G-A						
Gatlanes P	15-1						
John's Flor love Or	0						
PHETEROLUNG						-	
queanances (all	0		L				
mallon >	Q-0						
GROUND:  V. E. A. S. F.C.  Go Cland P  Phil. Fleatown  Queen a new lace  Mallan  mullen  Commandadelicu  grass Sp.  Clava Sp.	2-0						
Motter	2-0 R A	<b></b>				-	<b></b>
Commondadelica	1/4						
CCC. 80 80.	14						
V Clay - 50	0						
I ~ CICINOA SAC							
	10						<u> </u>

3=UNDERSTOREY

LAYER

3

2

ABUNDANCE CODES: N=NONE R=RARE Q=OCCASIONAL A=ABUNDANT D=DOMINANT N/Q=Not observed

4=GROUND (GRD.) LAYER

DISTANCE FROM RD.

>5 m

≤5 m

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY

SPECIES CODE

TREES:

Signature:

Signature:

Quality Control: This form is complete □ & legible □

(Project Manager)

ELC Polygon: # [3	C Asses	ssment Type:	Œl-Vi	sual; no	access	/ 🗆-	Walk throu	gh featur	е			
Extent of Physical In	vestigation	n of Feature:	<b>□</b> -Er	ntire / 🗆	l-Partial,	wall	through p	olygon <i>(ir</i>	ndic	ate on map)		
Reptile / Bat Hibe	rnacula F		□-Y* [i.e. fill bridge Cont □-Y*	' / □-N , catures the cabutme ains po ' / □-N ,	/ @-Unkinat would not or cultontial ba	nowr proviverts at hik	ide a route ur with cracks/coernacula fe	s (*if yes, iderground entry points eatures? s (*if yes,	de: , inc s, ex		onerete ices or i	or rock (e.g. foundations, nactive animal burrows)
POTENTIAL HIBER	RNACULA	FEATURE(S)	IDE	NTIFIE	D			,				
UTM			Featu	re Desc	ription			Photo N	0.	Spp. O	bserved	l Using Feature
within that and the same and th		***************************************		····			***************************************			<del></del>		
Bat Roosting Fea			/ OZ- es wit	Unknov h open	vn, no ac surround	ces	s (*if yes, de			ble below) ing cavities ~	10m híç	gh in tree]
POTENTIAL BAT R UTM	OOSTING Tree ID			NTIFIE DBH	D Photo	No.	Decay Cla	255 (1-5)	No	o. of Cavities	Heigh	t and Type of Cavities
O T TYX	1100 110	ПСОБР	•		T HOLO	10.	. Decay class (1-3)			J. Of Cavilles	iteigii	t and Type of Cavities
								······				
Stick Nests:	The state of the s		Cont □-Y	ains lar ' / ロ-N	ge stick / Ø-Unk	nest now	s? n, no acces	s (*if yes	, de	scribe in table	e belov	<i>(</i> )
STICK NEST(S) IDE UTM	NIIFIED	Tree ID		Tree	Spp.		Nest Size	Photo N	lo.	Spp. C	bserve	d Using Feature
Seeps/Springs/Ve	rnal Poo	ls:	Cont	ains se	eps/sprir	ngs/\	ernal pools	s?	al a	scribe in table	- bolow	
SEEP/SPRING/VE	RNAL PO	OL FEATURE				HOW	i, no acces	s ( II yes,	, ae	scribe in table	e Delow	/)
UTM	Fea	ature No. & T	ype	Feature (Diame		Wat	ter Depth	Photo N	0.	Sub/Emergen Spp. Prese		Shrubs/ Logs at Edg Present?
				***************************************								
										-		
SPECIES & HABITA	AT OBSER	VATIONS (list	t spec	ies and	type of o	bser	vation & inc	dicate on	maţ	0)		
						67						
												-
CAmenesee DPmilistin	rive parts: F	E≕feeding evide	nce: F	Y=eggs	nest: HO=	=hons	e/den: OR=4	diserved: S	\(`)=0	cat: St=other o	one TK=	-track: VO=vocalization

REV: 2012-01-03

The second
Stante
Project Nu

Stantec Consulting Ltd. 1 - 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel. (519) 836-6050 Fax: (519) 836-2493

## Roadside ELC, **Woodland & Wildlife Habitat Assessment Form**

						_
Pro	iect	h	lu	m	ber:	

Project Name: NRWC

C. Ross Field Personnel:

eather	Conditions:	

TEMP (°C) WIND:

CLOUD: 90%. PPT: PPT (in last 24 hrs): none here

## **POLYGON DESCRIPTION**

		TOPOGRAPHIC F	TOPOGRAPHIC FEATURE				
COMMUNITY STA	YGON: 13D  RT TIME: 12:05  D TIME:	☐ PWERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND	CREVICE / CAVE	IBNATURAL □ CULTURAL			

### **TAND DESCRIPTION:**

LAYER	нт	CVR	1			DECREASING DOM EATER THAN; = AL	
CANOPY	2-3	4	eastern	Cett	nucco 70	neen wood	crackwiller
SUB-CANOPY					, ,		
UNDERSTOREY	4	4	ganda	ward	Takeba	nkgrupe >120	l-osien decourse
GRD. LAYER	BUR		n10	,		J '	J
T CODES: VR CODES:						.5 <ht≤1m 6="0.2&lt;HT&lt;br">s60% 4=CVR&gt;60%</ht≤1m>	
TANDING SNAGS:			<10		10 – 24	25 – 50	>50
BUNDANCE CODES:		N	I=NONE R=RA	ARE O	OCCASIONAL	A=ABUNDANT I	N/O=Not observed
TAND MATURITY:	PIONEEF	?	YOUNG		MID-AGE	MATURE	OLD GROWTH
EGETATION TYPE:	M Pa	oplar	deciduar	S FO	est	CODE: FOD8-	- \
COMPLE	X					CODE:	
GOMII EL	.^					DODE.	

### vidence of Disturbance / Notes:

BCCH

very young Forest is heavy moleratory Crack willow growing in weadlot, guite musual.

LAYERS: 1=CANOPY > 10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT D=DOMINANT N/O=Not observed

ABUNDANCE CODES: N=NONE R=RARE			YER		DISTANCE	Out to Fig. 9	
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL
TREES:	Ė.	A		1		in wearing	39 9
gramase	Q H						Ī
frank briller							
Crack Laila	12-0	}					
Basswood			1/2				
Typinaple	R						
<i>J</i>							
	- 110						
SHRUBS:	4.	CENSON PRO	1		na anno mendant	Jan Francisco	
gray dogwood		ļ	HA				
Kivelbankarape,		ļ	0-A				
ted-osier dogwood		ļ	0				<b></b>
20dabery SD			12-0				<u> </u>
Blue beech			0		ļ		<b>_</b>
			ļ				
		ļ	ļ				<u> </u>
		L	ļ	ļ			
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	<u> </u>		<u> </u>				
			<u> </u>				
GROUND:		LT	- h	Y	A -4"	+12.4	19-1
-113 X 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							
					1		
HISTORY PRINT							
			1		1		1

	21.1	Quality Control:This form is complete □ & legible □
Signature:	Centru from	Signature:
100	(Field Personnel)	(Project Manager)

ELC Polygon: # 3	) Asse	ssment Type:	<b>⊡</b> -Vis	sual; no	access	/ 🗆-	Walk throu	gh featur	e			
Extent of Physical Inv	- estigatio	on of Feature:	□-En	tire / 🗖	-Partial,	wail	k through p	olygon <i>(ir</i>	ndica	ite on map)		
Reptile / Bat Hibernacula Features:				Contains potential reptile hibernacula features?  -Y* / -N / -Unknown, no access (*if yes, describe in table below)  [i.e. features that would provide a route underground, including buried concrete or rock (e.g. foundations, bridge abutments or culverts with eracks/entry points, exposed rock crevices or inactive animal burrows)]  Contains potential bat hibernacula features?  -Y* / -N / -Unknown, no access (*if yes, describe in table below)  [i.e. karst topography, abandoned mines or caves]								
POTENTIAL HIBERN	NACUL!											
UTM			Featu	re Desc	ription			Photo N	0.	Spp. O	bserved	Using Feature
		······································										
		······································								***************************************		
Bat Roosting Feat			/ 🗗 \ s with	Jnknow n open	n, no ac surround	ces	s (*if yes, de	escribe ir cm, side-	n tabl -facir	le below) ng cavities ~	IOm hig	gh in tree]
UTM	Tree I			DBH	Photo	No.	Decay Cla	ass (1-5)	No.	of Cavities	Height	and Type of Cavities
							-					
									ļ			
							<u> </u>					
Stick Nests:			Conta □-Y*	ains Iar / □-N	ge stick / 🗷-Unk	nest	s? n, no acces	ss (*if yes	, des	scribe in table	e below	)
STICK NEST(S) IDEN	TIFIED	Tree ID		Тиол	Snn		Nest Size	Photo N	No.	Snn C	hoomyo	d Using Facture
UTIVI		Tree ID		Tree	Spp.		Nest Size	FHOIO	10.	Spp. C	bserve	d Using Feature
										·		
Seeps/Springs/Ver	nal Po	ols:	Conta	ains se	eps/spri / <b>/2</b> -Unk	ngs/ now	vernal pools n, no acces	s? ss (*if yes	, des	scribe in table	e below	)
SEEP / SPRING / VER	NAL PO	OOL FEATURE	(S) II	DENTIF	TED			1				
UTM	F	eature No. & Ty	pe	Feature (Diame	1	Wa	ter Depth	Photo N	0.	Sub/Emergen Spp. Prese	_	Shrubs/ Logs at Edge Present?
		<del></del>				***************************************						
			士									
SPECIES & HABITAT	Γ OBSEI	RVATIONS (list	speci	ies and	type of o	bser	vation & inc	dicate on	map	)		
					V 1					<u> </u>		
CA=carcass: DP=distincti	ive parts:	FE=feeding evide	nce: F	Y=eggs/	nest: HO	hou	se/den; OB=c	observed: S	SC=sc	at; SI=other si	2n; TK=	track: VO=vocalization

Stantec Project Number:	Stantec Consultin 1 – 70 Southgate E Guelph, ON Canada N1G 4P5 Tel: (519) 836-605( Fax: (519) 836-249	) 3	Roadside ELC, Woodland & Wildlife Habitat Assessment Form						
Date:			Field Personnel:	101 000	0				
Date.	octuber	18, 2010	- Tield Personnel.	Litaiscott					
eather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):				
eather Conditions:	15	4	80%	here	have				
			POLYGON DES	CRIPTION					
			TOPOGRAPHIC F	EATURE	HISTORY				
COMMUNITY	POLYGON: 2 START TIME:	) E	☐ LACUSTRINE ☐ RIVERINE ☐ ROTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL, UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	□ NATURAL □ CULTURAL				
TAND DESCRIP	TION:								
LAYER	нт су	₹ 1		DECREASING DOM ATER THAN; = AB					
CANOPY	2 4	Sugarmar	le > Aner	ican seech	)7 Red varile				
SUB-CANOP		J			1				
UNDERSTORE	Y 34 3	Spicebook	2 riverbank	gape Tolue	beech				
GRD. LAYER	-	100	<u> </u>	V I					
T CODES: VR CODES:		) <ht≤25m <b="">3=2<ht≤10 %<cvr≤10% <b="">2=10<c< td=""><td></td><td>5<ht≤1m <b="">6=0.2<ht≤ :60% <b>4=CV</b>R&gt;60% N</ht≤ </ht≤1m></td><td>0.5m 7=HT&lt;0.2m I/O=not observed</td></c<></cvr≤10%></ht≤10 </ht≤25m>		5 <ht≤1m <b="">6=0.2<ht≤ :60% <b>4=CV</b>R&gt;60% N</ht≤ </ht≤1m>	0.5m 7=HT<0.2m I/O=not observed				
TANDING SNAGS:	MO	<10	10 – 24	25 – 50	>50				
BUNDANCE CODES:		N=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N	/O=Not observed				
TAND MATURITY:	PIONEER	YOUNG	MID-AGE	MATURE	OLD GROWTH				
EGETATION TYPE	a made	Brech Dao. Fe	resture	CODE: FODS	-2.				

vidence of Disturbance / Notes:

COMPLEX

almost no gravel coveror and in some and .

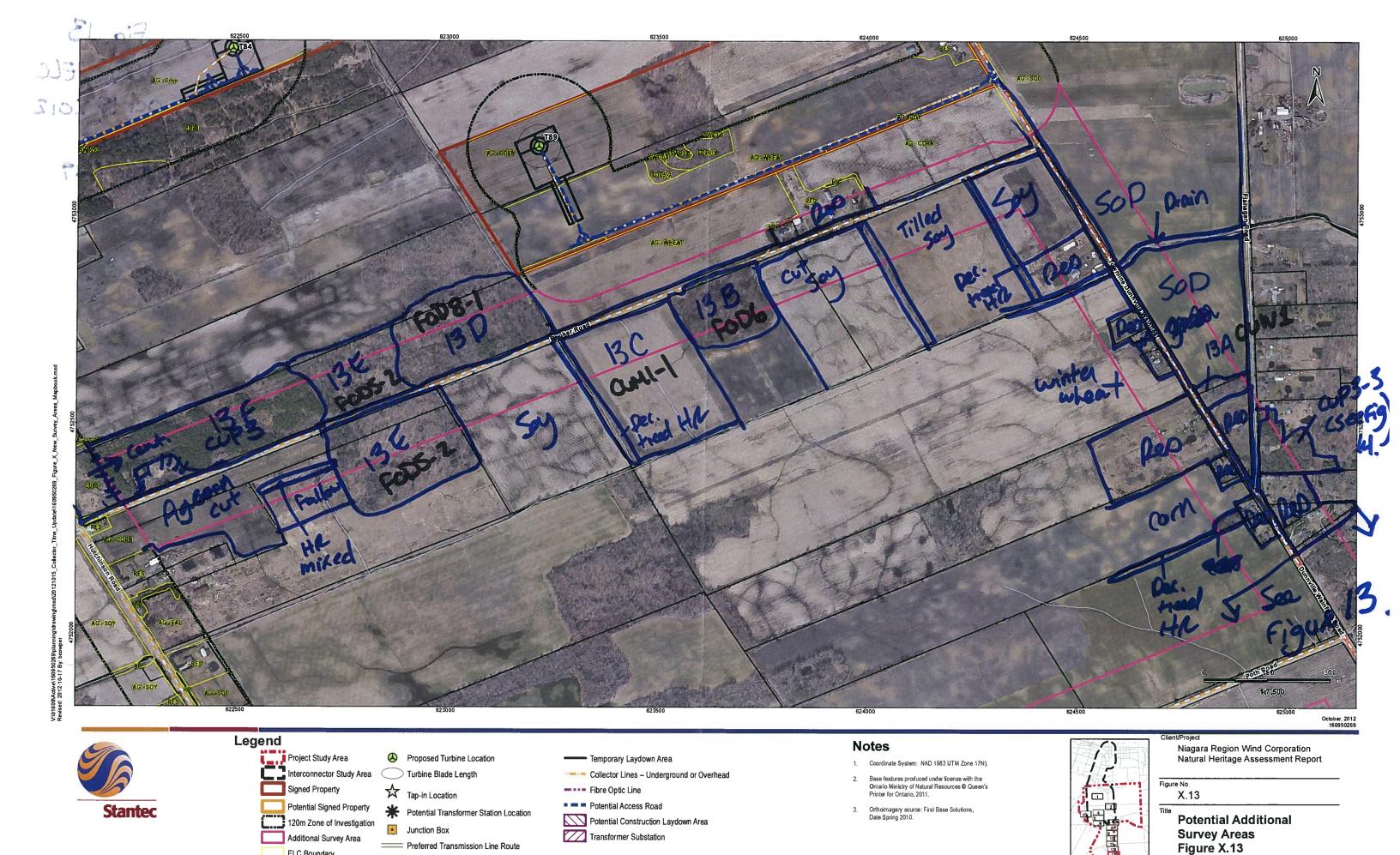
CODE:

LAYERS: 1=CANOPY >10m	2=SUB-CANOPY	3=UNDERSTOREY	4=GROUND (GRD.) LAYER
ABUNDANCE CODES: N=NONE	R=RARE O=OCCA	SIONAL A=ABUNDANT	D=DOMINANT N/O=Not observ

ABUNDANCE CODES: N=NONE R=RARE  SPECIES CODE		LA	YER		DISTANCE	COLL.	
SPECIES CODE	1.1	2	3	4	≤5 m	>5 m	COLL
TREES:							
Sugar maple American beer Red maple	$\Box$						
American beech	4						
Red march	b-A						
white appe	RO						
hombal 1	O-A						
Basswood	O						
White bird	R-0						
SHRUBS:		Harit	Λ		<b>非规模</b>		Ato.
Mue Dankarase		0	A				
Spicelasil		0	FA				
Blue beec			0				
Muchankarape Spicebasil Blue becc Sweet Fern			R-0				
GROUND:		dient a				14 H	2.47
						-	
		1					
	<u> </u>			1			
						<u> </u>	
				<del>                                     </del>			

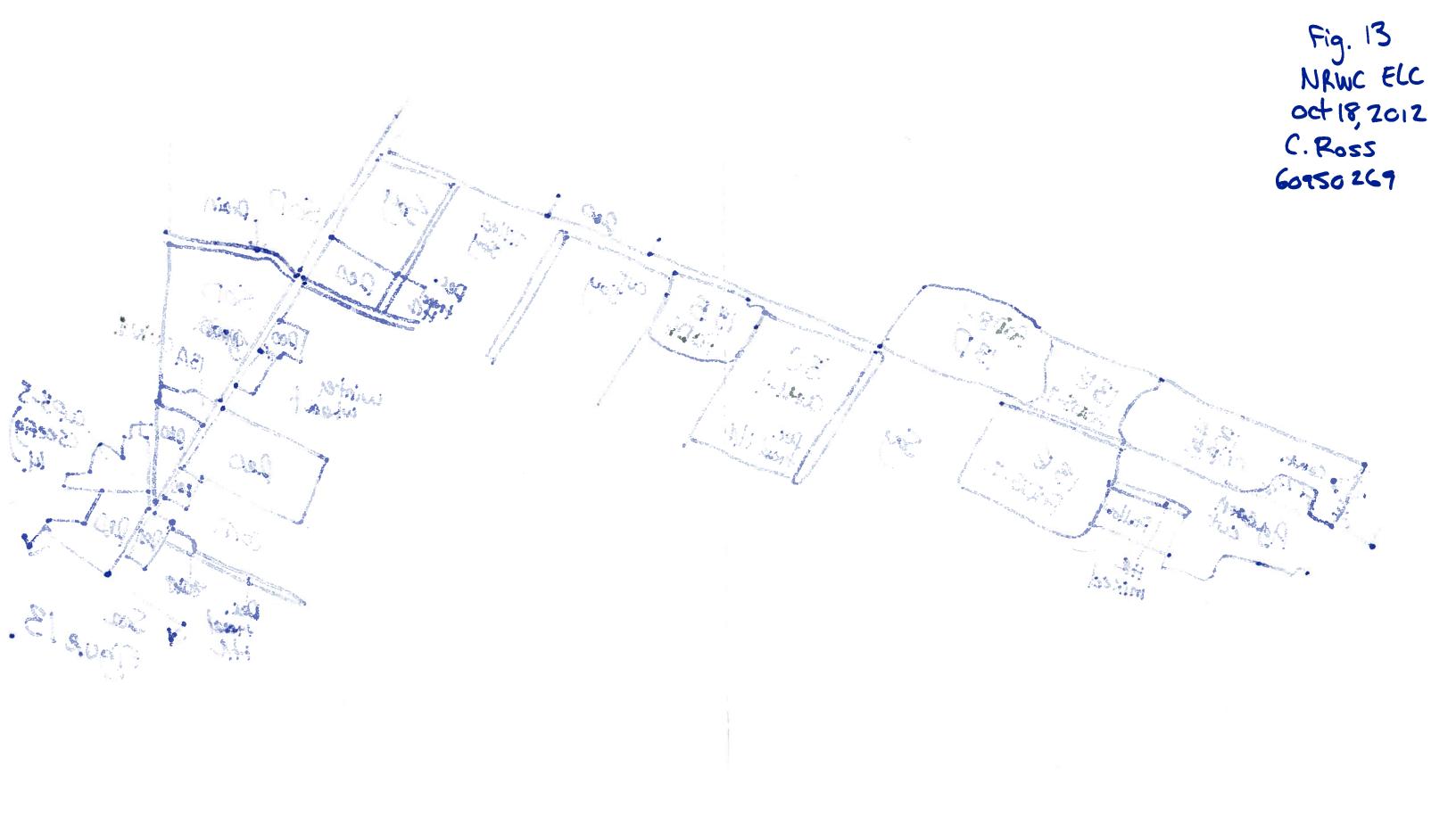
Signature: Of the Resor	/	y Controi	m is comple	te 🗆 & legib	le □.
(Field Personnel)			(Project	Manager)	

ELC Polygon: #36										
Extent of Physical Inv	vestigatio	on of Feature: [	1-Entire	e / □-Partia	al, wal	k through p	olygon <i>(in</i>	dicate on map)		
Reptile / Bat Hiber	nacula	[ b 0	I-Y* / C i.e. featur ridge abo Contains I-Y* / C	I-N / 22-Un res that woul utments or e s potential I-N / 22-Un	knowid provulverts bat hill	ide a route ur with cracks/o bernacula f	is (*if yes, aderground, entry points, eatures? is (*if yes,	describe in table including buried o	onerete lices or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBER	NACULA	FEATURE(S)	DENTI	FIED						
UTM		F	eature l	Description	1		Photo No	. Spp. O	bserved	l Using Feature
Bat Roosting Feat			with of	nown, no a pen surrou	acces	s (*if yes, d		<i>table below)</i> acing cavitíes ~	10m hiç	gh in tree]
POTENTIAL BAT ROUTEM	Tree I			BH Photo	No.	Decay Cla	ass (I_5)	No. of Cavities	Heigh	t and Type of Cavities
7	11.00 X	У хтес эрр			7110.	Decay Ci	133 (1-3)	ivo. of Cavities	iicign	and Type of Cavilles
									į /	12.7
									<u> </u>	
Stick Nests:		(	Contain: <mark>]-Y*</mark> / C	s large stic ]-N / <b>2</b> -Ur	k nest iknow	ts? n, no acces	ss (*if yes,	describe in table	e below	)
STICK NEST(S) IDE	TIFIED					= 7=;				
UTM		Tree ID		Гree Spp.		Nest Size	Photo No	o. Spp. C	bserve	d Using Feature
									<del>!!</del>	
Seeps/Springs/Ve	rnal Po	ols: (	Contains	s seeps/ap ]-N / 🗓-Ur	rings/	vernal pool	s? ss (*if ves	describe in table	e helov	<i>(</i> )
SEEP / SPRING / VEI	RNAL PO									,
UTM	F	eature No. & Ty	101	iture Size Diameter)	Wa	ter Depth	Photo No	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
				······································	ļ				······································	
SPECIES & HABITA	T OBSEF	RVATIONS (list	species a	and type of	obser	vation & in	dicate on n	nap)		
			-							
CA=carcass: DP=distinct	ive parts:	FE=leeding eviden	ce; FY=e	eggs/nest: 11	O=hou	se/den; OB=	observed: St	C=scat; SI=other s	ign; TK=	irack: VO=vocalization



ELC Boundary

Potential Alternative Transmission Line Routes



6	116	
6		
-		

Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493

# Roadside ELC, Woodland & Wildlife Habitat Assessment Form

Juliucu					
Project Number:	6095026	9	Project Name:	NRWC	
Date:	act18	2012	Field Personnel:	C.Ross	
144 - 41	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):
Weather Conditions:	15	1 3-4	1001	ha.a	10.10

## POLYGON DESCRIPTION

		TOPOGRAPHIC F	EATURE	HISTORY
COMMUNITY	POLYGON: 14A START TIME: 0:45 END TIME:	☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE	CREVICE / CAVE	□ NATURAL □ CULTURAL

### STAND DESCRIPTION:

31.	AND DESCRIPTION	/IT.										
	LAYER	нт	CVR	/>> B.B	<b>4.</b> –		ORDER OF D					
_				<del>                                     </del>	>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO)							
1	CANOPY	2.3	2	eco	lan C	ente	huce	771	= Kenem	سد	ple	
2	SUB-CANOPY											
3	UNDERSTOREY	4	3	Sta	ahom	2	hay De	لمه	Zem cost	no	ad tremt	Irojac
4	GRD. LAYER	5-7	4								real Cenery	alper
HT	HT CODES: 1=>25m 2=10 <ht=25m 0<="" 3="2&lt;HT=10m" 4="1&lt;HT=2m" 5="0.5&lt;HT=1m" 7="HT&lt;0.2m" 8="0.2&lt;HT=0.5m" td=""></ht=25m>											
CVI	CVR CODES: 0=NONE 1=0% <cvr≤10% 2="10&lt;CVR≤25%" 3="25&lt;CVR≤60%" 4="CVR">60% N/O=not observed</cvr≤10%>											
ST	ANDING SNAGS:				<10		10 – 24		25 – 50		>50	
ABL	JNDANCE CODES:	•	1	=NONE	R=RARE	0:	OCCASIONAL	A=	ABUNDANT	N/O=N	lot observed	
ST	AND MATURITY:	PIONEER	₹	YOU	NG		MID-AGE		MATURE		OLD GROWTH	
VE	VEGETATION TYPE: Cultural weadow CODE: CUM [-]											
	COMPLEX CODE:											
_												

**Evidence of Disturbance / Notes:** 

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER
ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT D=DOMINANT N/O=Not observed

ABUNDANCE CODES: N=NONE R=RARE O=	LAYER			DISTANCE	COLL.		
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
TREES:							
eastern rotteninood	0			ļ			
whiteasa		ļ	1.0	ļ	<u> </u>		
trembling aspen	<u> </u>	ļ	0	ļ			
eantern nothing and white and trembling aspen Freeman's merple	R						
SHRUBS:				3 7 12 3 (c.		ante in the second	
real-osier clagwood			B				
red-osier cognosial single graph Staglord Suma C			R				
Steadhorn Sumac			0				
THE CONTRACTOR OF THE CONTRACT							
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Signature:	Cast tingleson
	(Field Personnel)

Quality Control:Th	is form is compl	lete 🛘 & legible 🗀
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Signature:

(Project Manager)

Reptile / Bat Hibernacula Features: Contains potentife reptile hibernacula features?  L'Y' CI-N' (M-Unknown, no access ("if yes, describe in table below)  [Le tremes that would be the beneate the contains potentife reptile hibernacule features?  L'Y' CI-N' (M-Unknown, no access ("if yes, describe in table below)  [Le tremes that would be the beneate features?  L'Y' CI-N' (M-Unknown, no access ("if yes, describe in table below)  L'Y' CI-N' (M-Unknown, no access ("if yes, describe in table below)  L'Y' CI-N' (M-Unknown, no access ("if yes, describe in table below)  L'Y' CI-N' (M-Unknown, no access ("if yes, describe in table below)  L'Y' CI-N' (M-Unknown, no access ("if yes, describe in table below)  [Le lail trees with open surroundings, DBH >25cm, side-facing cavilies -10m high in tree]  POTENTIAL BAT ROOSTING FEATURE(s) IDENTIFIED  L'Y' CI-N' (M-Unknown, no access ("if yes, describe in table below)  [Le lail trees with open surroundings, DBH >25cm, side-facing cavilies -10m high in tree]  POTENTIAL BAT ROOSTING FEATURE(s) IDENTIFIED  L'Y' (L'N' (M-Unknown, no access ("if yes, describe in table below)  Stick Nests:  Contains large sick nests?  L'Y' (L'N' (M-Unknown, no access ("if yes, describe in table below)  STICK NEST(S) IDENTIFIED  L'Y' (L'N' (M-Unknown, no access ("if yes, describe in table below)  SEEP / SPRING / VERNAL POOL FEATURE(S) IDENTIFIED  L'Y' (L'N' (M-Unknown, no access ("if yes, describe in table below)  SEEP / SPRING / VERNAL POOL FEATURE(S) IDENTIFIED  L'Y' (L'N' (M-Unknown, no access ("if yes, describe in table below)  SEEP / SPRING / VERNAL POOL FEATURE(S) IDENTIFIED  L'Y' (L'N' (M-Unknown, no access ("if yes, describe in table below)  SEEP / SPRING / VERNAL POOL FEATURE(S) IDENTIFIED  L'Y' (L'N' (M-Unknown, no access ("if yes, describe in table below)  SEEP / SPRING / VERNAL POOL FEATURE(S) IDENTIFIED  L'Y' (L'N' (M-Unknown, no access ("if yes, describe in table below)  SEEP / SPRING / VERNAL POOL FEATURE(S) IDENTIFIED  L'Y' (L'N' (M-Unknown, no access ("if yes, describe in table below)	ELC Polygon: # 14A	Asses	sment Type:	<b>⊉</b> -Visi	ual; no	acces	s / 🗆-	-Walk throu	gh featur	е			
Contains potential bat roosting features:	Extent of Physical Inv	- estigation	of Feature:	⊒-Ent	tire / 🗖	-Partia	l, wall	k through po	olygon <i>(ir</i>	ndica	te on map)		
POTENTIAL HIBERNACULA FEATURE(S) IDENTIFIED   Photo No.   Spp. Observed Using Feature	Reptile / Bat Hiber	nacula F	]	□-Y* / [í.e. fea bridge : Contai □-Y* /	/ □=N / atures the abutment ins pot / □-N /	D-Unless or contents or conten	knowi d prov dverts pat hil knowi	n, no accesside a route un with cracks/e pernacula fen, no access	s (*if yes, iderground entry points eatures? s (*if yes,	des l, inch s, exp	nding buried co osed rock crev	merete ( ices or i	or rock (e.g. foundations, nactive animal burrows)]
Bat Roosting Features: Contains potential bat roosting features?	POTENTIAL HIBERN	NACULA I							100.5				
Contains large stick nests?   Yes, describe in table below    Stick Nests:   Contains large stick nests?   Yes, describe in table below    STICK NEST(S) IDENTIFIED   Tree ID   Tree Spp.   Nest Size   Photo No.   Spp. Observed Using Feature	UTM		]	Featur	e Desc	ription			Photo N	0.	Spp. O	bserved	Using Feature
Contains large stick nests?   Yes, describe in table below    Stick Nests:   Contains large stick nests?   Yes, describe in table below    STICK NEST(S) IDENTIFIED   Tree ID   Tree Spp.   Nest Size   Photo No.   Spp. Observed Using Feature												***************************************	
Contains large stick nests?   Yes, describe in table below    Stick Nests:   Contains large stick nests?   Yes, describe in table below    STICK NEST(S) IDENTIFIED   Tree ID   Tree Spp.   Nest Size   Photo No.   Spp. Observed Using Feature			······································		***************************************	***************************************		***************************************			······································		
Stick Nests:  Contains large stick nests?			□-Y* / □-N [i.e. tall tree	/ Ze-U s with	Inknow open	/n, no a surrour	acces	s (*if yes, de				0m hig	ph in tree]
Stick Nests:  Contains large stick nests?  -Y*/-N/N/N/			T		-		No.	Decay Cla	ass (1-5)	No.	of Cavities	Height	and Type of Cavities
STICK NEST(S) IDENTIFIED  UTM Tree ID Tree Spp. Nest Size Photo No. Spp. Observed Using Feature  Seeps/Springs/Vernal Pools: Contains seeps/springs/vernal pools?			1.000//							1.0.	OI GATTERO	**************************************	and Type of Cavilles
STICK NEST(S) IDENTIFIED  UTM Tree ID Tree Spp. Nest Size Photo No. Spp. Observed Using Feature  Seeps/Springs/Vernal Pools: Contains seeps/springs/vernal pools?													
STICK NEST(S) IDENTIFIED  UTM Tree ID Tree Spp. Nest Size Photo No. Spp. Observed Using Feature  Seeps/Springs/Vernal Pools: Contains seeps/springs/vernal pools?			<u> </u>										
UTM       Tree ID       Tree Spp.       Nest Size       Photo No.       Spp. Observed Using Feature         Seeps/Springs/Vernal Pools:         Contains seeps/springs/vernal pools?         □-Y* / □-N / ②-Unknown, no access (*if yes, describe in table below)         SEEP / SPRING / VERNAL POOL FEATURE(S) IDENTIFIED         UTM       Feature No. & Type       Feature Size (Diameter)       Water Depth       Photo No.       Sub/Emergent Veg. Spp. Present?       Shrubs/ Logs at Edge Present?	Stick Nests:			Conta □-Y*	ins lar / ロ-N	ge sticl / <b>⊡</b> -Un	k nest know	s? n, no acces	s (*if yes	, des	cribe in table	e below	·)
Seeps/Springs/Vernal Pools:  Contains seeps/springs/vernal pools?  -Y* / -N / -Unknown, no access (*if yes, describe in table below)  SEEP / SPRING / VERNAL POOL FEATURE(S) IDENTIFIED  UTM Feature No. & Type Feature Size (Diameter) Water Depth Photo No. Sub/Emergent Veg. Shrubs/ Logs at Edge Present?  Present?		TIFIED	Two ID		Twee	C		Nac4 Sina	Db -4- B	r_	S 0		J TI-1 TI4
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SEEP / SPRING / VERNAL POOL FEATURE(S) IDENTIFIED  UTM Feature No. & Type (Diameter) Water Depth Photo No. Sub/Emergent Veg. Shrubs/ Logs at Edge (Diameter) Present?  Photo No. Sub/Emergent Veg. Shrubs/ Logs at Edge Present?													
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UTM Feature No. & Type (Diameter) Water Depth Photo No. Sub/Emergent Veg. Shrubs/ Logs at Edge Present?	Seeps/Springs/Ver	nal Pool	s: "	Conta □-Y*	ins sed / □-N	eps/spi / <b>1</b> -Un	rings/ know	vernal pools n, no acces	s? ss (*if yes	, des	cribe in table	e below	·)
(Diameter) Water Depth Flioto No. Spp. Present? Present?	SEEP / SPRING / VER	NAL POO	L FEATURE						1				
SPECIES & HABITAT OBSERVATIONS (list species and type of observation & indicate on map)	UTM	Fea	ture No. & Ty	pe F			Wa	ter Depth	Photo N	0.			
SPECIES & HABITAT OBSERVATIONS (list species and type of observation & indicate on map)			······································					······································	<u> </u>		***************************************		
SPECIES & HABITAT OBSERVATIONS (list species and type of observation & indicate on map)					***************************************							***************************************	
	SPECIES & HABITAT	Γ OBSERV	ATIONS (list	snecie	es and	type of	obser	vation & inc	dicate on	man)	<u> </u>		
						-5   5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -				p)			
CA=carcass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest: HO=house/den; OB=observed: SC=scat; SI=other sign; TK=track: VO=vocalization	CAmparence: DPmdictions	ve narte: EL	=feeding avida	nes sa	/megas/	nest H	)=:hon	updom (Me-	Assertate C	(C===	eate Sharedhan es	my Tr-	draph VO management

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Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493

## Roadside ELC, Woodland & Wildlife Habitat Assessment Form

LAYERS: 1=CANOPY >10m

2=SUB-CANOPY

3=UNDERSTOREY

4=GROUND (GRD.) LAYER

Stantet					
Project Number:	6095026	9	Project Name:	Nicoau	a RINC
Date:	october	FR.2012	Field Personnel:	C.Ro	55
Γ	TEMP_(°C);	WIND	CLOUD:	PPT:	PPT (in last 24 hrs);
ther Conditions:	15	34	(69/2	1000	1000.00

## POLYGON DESCRIPTION

		TOPOGRAPHIC FEATURE	HISTORY
ELC	POLYGON: H - B START TIME: END TIME:	☐ LACUSTRINE ☐ TALUS ☐ RIVERINE ☐ CREVICE / C ☐ BOTTOMLAND ☐ ALVAR ☐ TERRACE ☐ ROCKLAND ☐ VALLEY SLOPE ☐ BEACH / BAF ☐ TABLELAND ☐ SAND DUNE ☐ CLIFF ☐ CLIFF	E CULTURAL

### **TAND DESCRIPTION:**

LAYER	нт	CVR			DECREASING DOM EATER THAN; = AB	
CANOPY	3	4	white ane	77 whiteas	2lu	
SUB-CANOPY			'			
UNDERSTOREY						
GRD. LAYER						
T CODES: 1=>25m 2=10 <ht≤25m 0="NONE" 1="0%&lt;CVR≤10%" 2="10&lt;CVR≤25%" 3="25&lt;CVR≤60%" 4="CVR" 5="0.5&lt;HT≤1m" 6="0.2&lt;HT≤0.5m" 7="HT&lt;0.2m" codes:="" vr="">60% N/O=not observed</ht≤25m>						
TANDING SNAGS:			<10	10 – 24	25 – 50	>50
BUNDANCE CODES:		N	I=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N	I/O≔Not observed
TAND MATURITY:	PIONEER	ì	YOUNG	MID-AGE	MATURE	OLD GROWTH
EGETATION TYPE: White pire plantation code: CUP3-2						
COMPLE	COMPLEX CODE:					

vidence of Disturbance / Notes:

SPECIES CODE		LAYER			DISTANCE	COLI	
	13	2	3	4	≤5 m	>5 m	COLL
REES:					No. 1		in C
white pire	D						
hate and	Ŕ						
JVIAC BY DE	112				<del> </del>		
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•	1 COOLICO MILICITIAN IINO AITA	LOSITION TELED I	Ot timo te effectation	INTEGRACION CO.	C-MOODIGING-MINDING	Trabitat-Tottli, down	(DELIACED LIVE	MAI PPE EL	7L., I	133

Signature:

(Project Manager)

Signature: (Field Personnel)

UTM Feature Description Photo No. Spp. Observed Using Feature  Bat Roosting Features: Contains potential bat roosting features? □-Y*/□-N/□-Unknown, no access (*if yes, describe in table below) [i.e. tall trees with open surroundings, DBH >25cm, side-facing cavities ~10m high in tree]	'ows)]
Contains potential bat roosting features:	'ows)]
POTENTIAL HIBERNACULA FEATURE(S) IDENTIFIED  UTM Feature Description Photo No. Spp. Observed Using Feature  Bat Roosting Features: Contains potential bat roosting features? □-Y*/□-N/□-Unknown, no access (*if yes, describe in table below) [i.e. tall trees with open surroundings, DBH >25cm, side-facing cavities ~10m high in tree]  POTENTIAL BAT ROOSTING FEATURE(S) IDENTIFIED	/ities
Bat Roosting Features:  Contains potential bat roosting features?	/ities
□-Y* / □-N / □-Unknown, no access (*if yes, describe in table below) [i.e. tall trees with open surroundings, DBH >25cm, side-facing cavities ~10m high in tree]  POTENTIAL BAT ROOSTING FEATURE(S) IDENTIFIED	/ities
□-Y* / □-N / □-Unknown, no access (*if yes, describe in table below) [i.e. tall trees with open surroundings, DBH >25cm, side-facing cavities ~10m high in tree]  POTENTIAL BAT ROOSTING FEATURE(S) IDENTIFIED	/ities
□-Y* / □-N / □-Unknown, no access (*if yes, describe in table below) [i.e. tall trees with open surroundings, DBH >25cm, side-facing cavities ~10m high in tree]  POTENTIAL BAT ROOSTING FEATURE(S) IDENTIFIED	/ities
	vities
The spp. 221 theory ends (1 d) North Carriers Preight and Type of Ca	TIELES
Stick Nests:  Contains large stick nests?  U-Y* / U-N / U-Unknown, no access (*if yes, describe in table below)	
STICK NEST(S) IDENTIFIED	
UTM Tree ID Tree Spp. Nest Size Photo No. Spp. Observed Using Feature	
Seeps/Springs/Vernal Pools:  Contains seeps/springs/vernal pools?  U-Y* / U-N / U-Unknown, no access (*if yes, describe in table below)	
SEEP / SPRING / VERNAL POOL FEATURE(S) IDENTIFIED	
UTM Feature No. & Type   Feature Size (Diameter)   Water Depth   Photo No.   Sub/Emergent Veg.   Shrubs/ Logs a Spp. Present?   Present?	Edge
SPECIES & HABITAT OBSERVATIONS (list species and type of observation & indicate on map)	
The state of the s	
CA=carcass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest: HO=house/den; OB=observed; SC=scat; Sl=other sign: TK=track: VO=vocali	

46	Stantec Consulting Ltd. 1 70 Southgate Drive	Roadside ELC,	LAYERS: 1=CANOPY >10m 2=SUB- ABUNDANCE CODES: N=NONE R=RAR	CANOPY E <b>0</b> =0CCASI	3=UNDE	RSTORI	EY 4	=GROUND ( D=DOMINAN	GRD.) LAYE	ER observed
	Guelph, ON Canada N1G 4P5	Woodland & Wildlife Habitat				YER			FROM RD.	
100	Tel: (519) 836-6050 Fax: (519) 836-2493	Assessment Form	SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL
Stantec			TREES:	.50	1000		7,000			
Project Number	: 60950269	Project Name: NEWC	eastern cattonwood	6						
Date	OC+ 18,2012	Field Personnel: C. RoSS	arenia ao			ļ		<u> </u>		<b></b>
	TEMP (°C): WIND:	CLOUD: PPT: PPT (in last 24 hrs).	J			<u> </u>			ļ	
Veather Conditions:	TEMP (°C): WIND: 3-4	701				-	<u> </u>	<del> </del>		
						-			<u> </u>	
		POLYGON DESCRIPTION			├	<del>                                     </del>				-
		TOPOGRAPHIC FEATURE HISTORY			<del> </del>	+	<del> </del>		<b></b>	1
	POLYGON: 14C	□ LACUSTRINE □ TALUS □ MATURAL □ RIVERINE □ CREVICE / CAVE			<del> </del>	-	-	1	-	
ELC	START TIME:	BOTTOMLAND BALVAR CULTURAL			<del>                                     </del>	+	+-	<del></del>		1
COMMUNITY	START TIME.	VALLEY SLOPE BEACH / BAR			-	<b> </b>	+-	<del> </del>		
DESCRIPTION &	END TIME:	TABLELAND SAND DUNE			+		<del> </del>	·	<b> </b>	1
CLASSIFICATION		☐ ROLL, UPLAND ☐ BLUFF ☐ CLIFF	SHRUBS:		-					1
			on to be		1			1		1
STAND DESCRI	PTION:	ECIES IN ORDER OF DECREASING DOMINANCE					1			
LAYER	HT CVR (>>MUCH G	REATER THAN; >GREATER THAN; = ABOUT EQUAL TO)								
1 CANOPY		in Contamucad = greenage								
2 SUB-CANOI		J								
3 UNDERSTOR	REY N/O						<u> </u>			
4 GRD. LAYE						ļ	$oxed{oxed}$			
IT CODES:		TS10m 4=1 <hts2m 5="0.5&lt;HTS1m" 6="0.2&lt;HTS0.5m" 7="HT&lt;0.2m&lt;/td"><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><del></del></td></hts2m>								<del></del>
OVR CODES:	H 1	0 <cvr<25% 3="25&lt;CVR&lt;60%" 4="CVR">60% N/Q=not observed</cvr<25%>			ļ	<del> </del>				<b></b>
STANDING SNAG		10 – 24   25 – 50   >50   ARE Q=QCCASIONAL A=ABUNDANT N/O=Not observed				ļ	-		<del> </del>	
ABUNDANCE CODES					<del></del>		-	4	-	+
STAND MATURIT	Y: PIONEER YOUNG	MID-AGE MATURE OLD GROWTH				+				-
VEGETATION TYPE	PE: Deciduous Fo	CODE: FOD	GROUND:		+		-	-	<u> </u>	<del> </del>
					╁──	+	<del> </del>	1		+
CO	MPLEX	CODE:			+	+	<del> </del>		<del> </del>	
Evidence of Dis	turbance / Notes:				1	1	†	-	<del>  ``                                  </del>	1
21.4000 0. 2.4	ven	, difficult to see due topatche	)		<del>                                     </del>	<b>†</b>	1			
	_ ~ U	C. D. Harryalaget Road Sido					1			1
	0	COL THEO TOOL I CONTROL					1			
		edge of woodlot								
		difficult to see due topatcher CUP throughout Roadside edge of woodlot. Pannotobermine abundance on								
		TO I								
		Dominance	1				1	1		

Signature:

Wivesource\Internal Info and Teams\FIELD FORMS\Vegelation\ELC\roadside-etc-woodland-wildlife-habitat-form.docx / (DERIVED FROM LEE ET AL., 1998)

Signature:

Quality Control:This form is complete 

& legible 

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(Project Manager)

ELC Polygon: # [나	_						_			
Extent of Physical Inv	vestigatio	n of Feature:	□-Entire /	□-Parti	ial, wa	lk through p	oolygon <i>(in</i>	dicate on map)		
Reptile / Bat Hiber	nacula F	: (	□-Y* / □-Ñ [i.e. features bridge abutn Contains p □-Y* / □-Ñ	N / Ø-Ui that wo nents or d ootential N / ☑-Ui	nknow ald provents culverts bat hi nknow	vide a route u s with eracks/ ibernacula f	ss (*if yes, nderground, entry points, features? ss (*if yes,	describe in table	concrete vices or	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBER	NACULA	FEATURE(S)	IDENTIFI	ED_	', abana	ionea minies o	or caves [			
UTM			Feature De	scription	n		Photo No	. Spp. (	Observe	d Using Feature
Bat Roosting Feat		(i.e. tall trees	/ <b>I-Unkno</b> s with oper	own, no n surrou	acces	s (*if yes, d	lescribe in	table below) acing cavities ~	10m hi	gh in tree]
POTENTIAL BAT RO UTM	OSTING Tree ID				- NI.	CI			r	
O I IVI	Heelb	i ree opp	. DBH	Phot	o No.	Decay Cla	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
Stick Nests:		(	Contains la □-Y* / □-N	ırge stic	ck nest	ts? n, no acces	s (*if yes,	describe in tabl	e belov	v)
STICK NEST(S) IDEN UTM	TIFIED	Tree ID	Tre	e Spp.		Nest Size	Dhote Ne	S (		
V A see		TICCID		e Spp.		Nest Size	Photo No	Spp. C	)bserve	d Using Feature
Seeps/Springs/Ver		[	<b>⊒-Y* / □-N</b>	I / <b>☑</b> -Ur	rings/ nknowi	vernal pools n, no acces	s? s (*if yes, o	describe in tabl	e belov	1)
UTM		ture No. & Typ	F4	e Size	Wat	ter Depth	Photo No.	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
SPECIES & HABITAT	OBSERV	ATIONS (list :	species and	type of	observ	vation & ind	licate on m	en)		
			poetes una	<u> </u>	ODSCI	vacion de me	icate on in	ар,		
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Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493

# Roadside ELC, Woodland & Wildlife Habitat Assessment Form

Jeanne				
Project Number:	60950269	Project Name:	NRWC	
Date:	October 18,2012	Field Personnel:	C. Ross	
,				

ather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 h
	15	4	75%	have	none

## POLYGON DESCRIPTION

		TOPOGRAPHIC F	EATURE	HISTORY
ELC	POLYGON:  START TIME:  END TIME:	☐ RIVERINE	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	O NATURAL

### TAND DESCRIPTION:

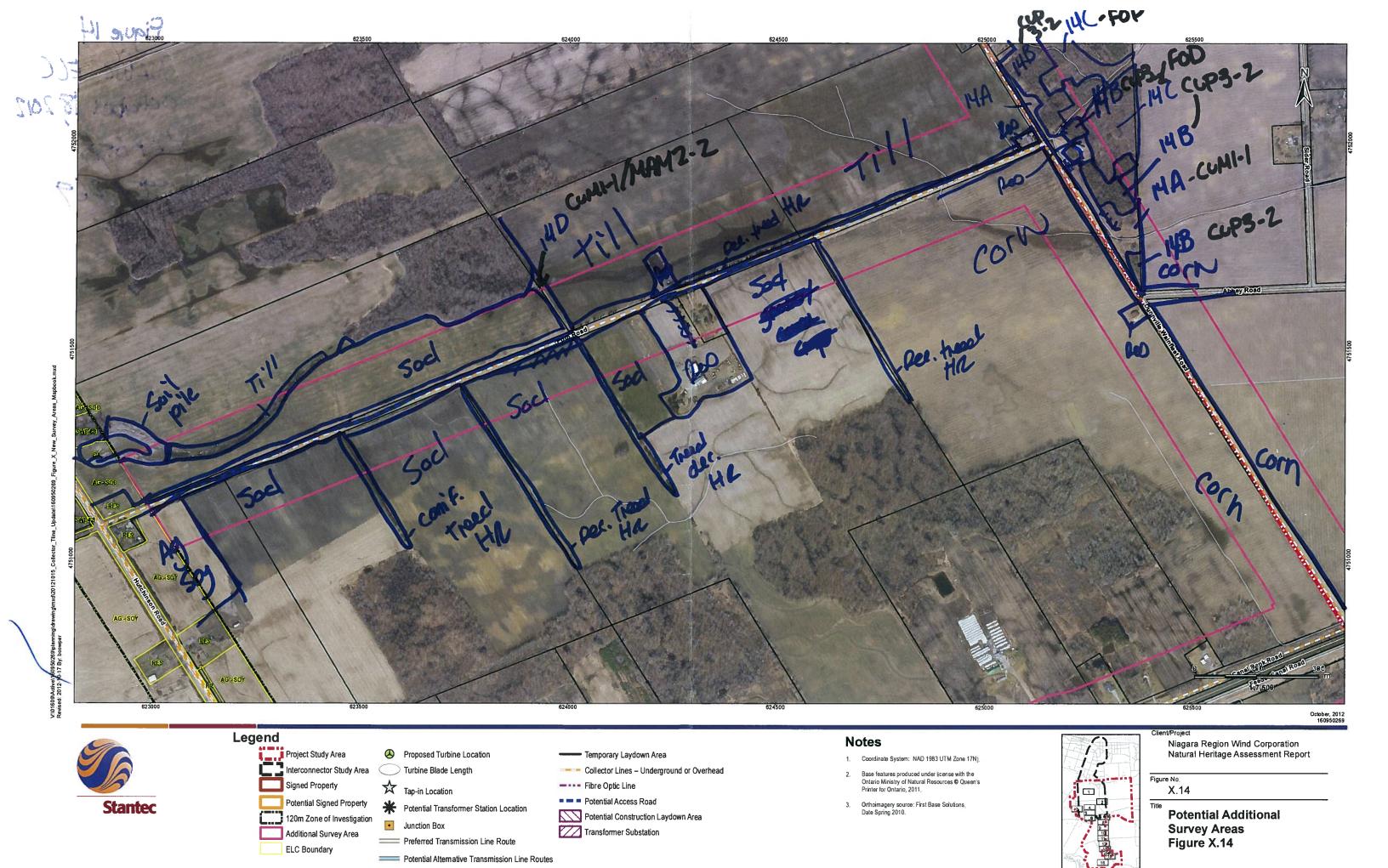
TAND DESCRIPTION.								
LAYER HT CVR SPECIES IN ORDER OF DECREASING DOMINANCE (>>MUCH GREATER THAN; > GREATER THAN; = ABOUT EQUAL TO)								
CANOPY	CANOPY Z 1 casternation wood							
SUB-CANOPY								
UNDERSTOREY	24	2	easterno	cttennocd?	willausp?	1201-05:00		
GRD. LAYER Red Caray arcss = Cowarda goldenoc								
T CODES: 1=>25m 2=10 <ht<25m 0="NONE" 1="0%&lt;CVR&lt;10%" 2="10&lt;CVR&lt;25%" 3="25&lt;CVR&lt;60%" 4="CVR" 5="0.5&lt;HT&lt;1m" 6="0.2&lt;HT&lt;0.5m" 7="HT&lt;0.2m" codes:="" vr="">60% N/O=not observed</ht<25m>								
TANDING SNAGS:			<10	10 – 24	25 – 50	>50		
BUNDANCE CODES:		ħ	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT	N/O=Not observed		
TAND MATURITY:	PIONEER	≀	YOUNG	MID-AGE	MATURE	OLD GROWTH		
EGETATION TYPE: CUMI-1/MAN 2-2								
COMPLEX CODE:								

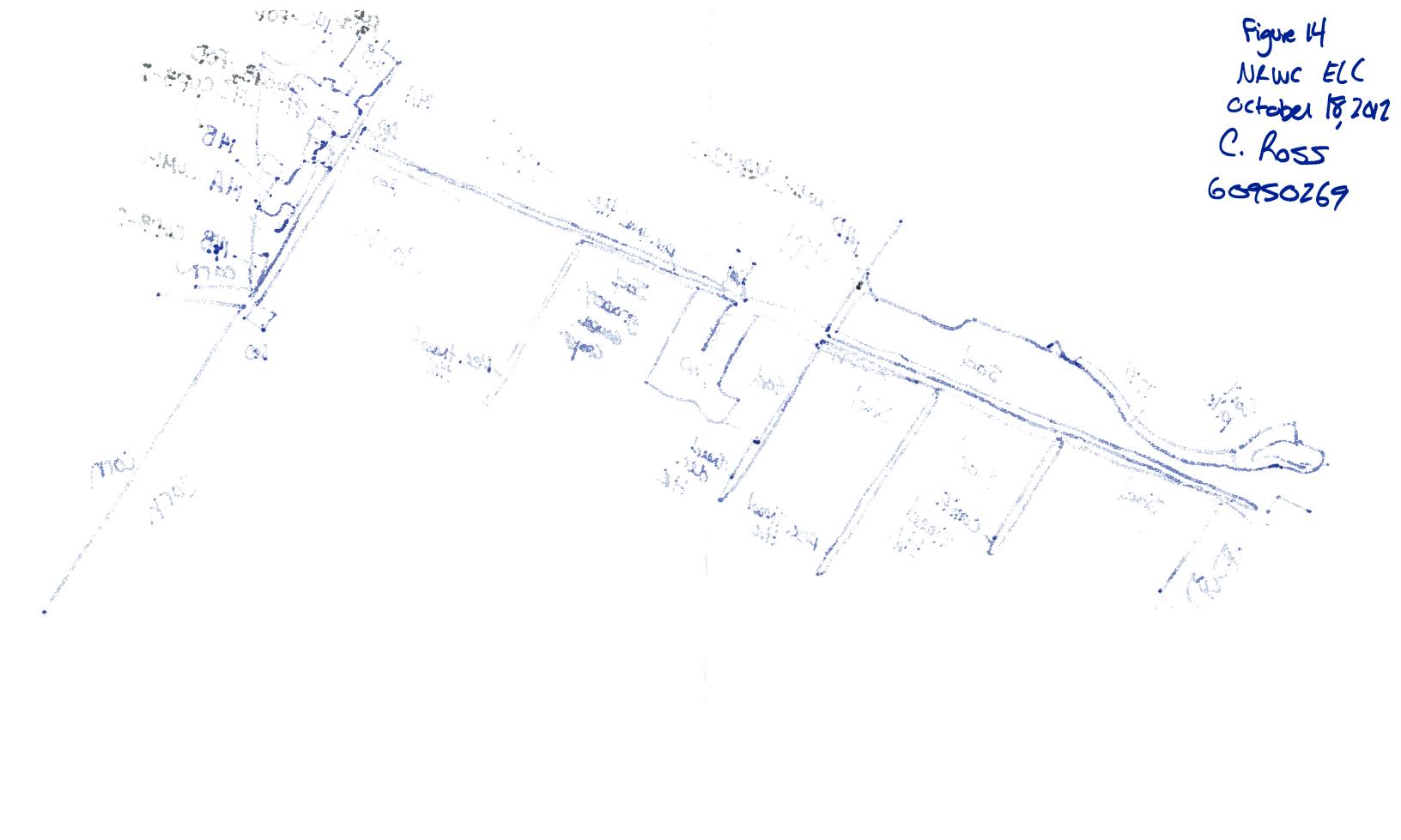
vidence of Disturbance / Notes:

ABUNDANCE CODES: N=NONE R=RARE O=			YER	15511393	DISTANCE	FROM RD.	SEASON MAN
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
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aucen ancès lace							
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Signature:	Che Stufficor	Quality Control: This form is complete   & legible   .  Signature:
	(Field Personnel)	(Project Manager)

ELC Polygon: # [4[	Asse	ssment Type:	<b>G</b> -V	isual; no	access	s / 🔲 -	-Walk throu	gh feature	e			
Extent of Physical Inv	- estigatio	on of Feature:	Q-E	ntire / 🗖	l-Partial	, wall	k through p	olygon <i>(ir</i>	ndica	ate on map)	4.	
Reptile / Bat Hiber		FEATURE(S)	□-Y [i.e. t bridg Con □-Y [i.e. l	* / □-N / features the abutme tains pot * / □-N / karst topo NTIFIE	/ 2-Unk nat would nts or cul tential b / 2-Unk graphy, a	nowi I prov Iverts at hil	ide a route ur with cracks/coernacula fo	s (*if yes, nderground entry points eatures? s (*if yes, r caves	des , incl , exp des	oosed rock crev	oncrete ( ices or i	or rock (e.g. foundations, nactive animal burrows)]
UTM			Feat	ure Desc	ription			Photo No	hoto No. Spp. Observed Using Feature			
		10.14 Mp. 11.14				***************************************	***************************************					
Bat Roosting Feat	ures:	Contains pe □-Y* / □-N [i.e. tall tree	/ র্ব্র-	-Unknow	vn, no a	cces	s (*if yes, d			le below)	10m hig	gh in tree}
POTENTIAL BAT RO		<del>-</del>		1			·	F	1			
UTM	Tree II	Tree Sp	р.	DBH	Photo	No.	Decay Cla	Decay Class (1-5)		. of Cavities	Heigh	t and Type of Cavities
Stick Nests:			Con □-Y	itains lar ′* / ロ-N	ge stick / <b>②</b> -Unl	nest	ts? n, no acces	ss (*if yes,	, des	scribe in table	e below	<i>(</i> )
STICK NEST(S) IDEN	TIFIED	T ID	T	Т	0		NI -4 C'	DI . 4 . N	т Т			1871
UTM		Tree ID		1 ree	Spp.		Nest Size	Photo N	10.	Spp. O	bserve	d Using Feature
Seeps/Springs/Ver			□-Y	* / □-N	/ 🖸-Unl	ings/ know	vernal pool n, no acces	s? ss (*if yes,	, des	scribe in table	e below	4)
SEEP / SPRING / VER	NAL PO	OL FEATURE	(S) I		T			T		0.1/5	. 77	
UTM	Fe	eature No. & T	ype	Feature (Diame		Wa	ter Depth	Photo No	0.	Sub/Emergen Spp. Prese		Shrubs/ Logs at Edge Present?
					<u> </u>							
SPECIES & HABITAT	Γ OBSER	EVATIONS (lis	t spe	cies and	type of o	obser	vation & in	dicate on	map	)		
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CA=carcass: DP=distinct		Months dine and to		EV	house ste	\l	mat Long (ND	·	1/0	and Diment	1848 4	-i1-3/()
Comparedss. LATHUISHICU	ive paids: I	. L-recums evide	H-C.	i. i. ~cggs/	HOME THE	·110111	scrucit, UD	DBARTAGRY D	7S	car, or other si	gu. ENº	"Hack: v O "vocalization -





	Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tet: (519) 836-6050 Fax: (519) 836-2493				Roadside ELC, Woodland & Wildlife Habitat Assessment Form						
Project Number:	TEO I SILLEO I				Project Name: Nagasa reachwing						
Date: _	october 18,2012				ield Personnel:		2. Ross	J			
Weather Conditions:	TEMP (°C): WIND:				cloud:		PPT:	1	(in last 24 hrs):		
POLYGON DESCRIPTION											
				TO	POGRAPHIC F	EAT	URE	HIS	TORY		
ELC S	OMMUNITY SCRIPTION & END TIME:					☐ LACUSTRINE ☐ TALUS ☐ RÍVERINE ☐ CREVICE / CAVE ☐ BOTTOMLAND ☐ ALVAR ☐ TERRACE ☐ ROCKLAND ☐ TABLELAND ☐ BEACH / BAR ☐ TABLELAND ☐ SAND DUNE ☐ CLIFF					
STAND DESCRIPT	ION:										
LAYER	нт	CVR	SPECII (>>MUCH GREA				REASING DOM R THAN; = AB		_		
1 CANOPY	3	4	Signimapi	20							
2 SUB-CANOPY			n/0								
3 UNDERSTOREY			n/0								
4 GRD. LAYER	1		n/0								
HT CODES: CVR CODES:			HT≤25m <b>3=</b> 2 <ht≤10 <cvr≤10% <b="">2≂10<c< td=""><td></td><td></td><td></td><td></td><td></td><td></td></c<></cvr≤10%></ht≤10 								
STANDING SNAGS:	n/0		<10		10 – 24		25 – 50		>50		
ABUNDANCE CODES:		١	I=NONE R=RARE	0	=OCCASIONAL	A=	ABUNDANT N	O=No	t observed		
STAND MATURITY:	PIONEER		YOUNG	MID-AGE			MATURE OL		OLD GROWTH		
VEGETATION TYPE:	Jaan h	aunla	decidoo	F	Dreo	COI	PE: FODG				
COMPLEX CODE:											

Evidence of Disturbance / Notes:

Leaf-off, Species defficult to
determine Francood side.

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER

ABUNDANCE CODES: N=NONE R=RARE	U=OCCASI	UNAL A	¥=ABUN YER	NANT	DEDOMINAN	7510	
SPECIES CODE	1,5	2	3	4	≤5 m	>5 m	COLL
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Signature:	Clifts flere	Signature:
_	(Field Personnel)	(Project Manager)

ELC Polygon: #	Asses	sment Type: 🖫	-Visual; n	o access /	☐-Walk thro	ugh featur	е		
Extent of Physical Inve	estigation	of Feature:	I-Entire / [	⊒-Partial, w	alk through p	oolygon <i>(ir</i>	ndicate on map)		
Reptile / Bat Hiberr	nacula F	[i bi C	I-Y* / □-N .e. features ridge abutm contains po I-Y* / □-N	I / U-Unknothat would prents or culve otential bat I / U-Unknoth	ovide a route unts with cracks.  hibernacula	ss (*if yes, inderground centry points features? ss (*if yes,	describe in table, including buried of	oncrete vices or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBERN	ACULA I	<del></del>	<del></del>						
UTM		R	eature Des	cription		Photo N	о. Spp. О	observed	l Using Feature
Bat Roosting Featu		[i.e. tall trees	<b>位</b> -Unkno with oper	wn, no acc surroundi	ess (*if yes, d	<i>describe in</i> 5cm, side-	<i>table below)</i> facing cavities ~	10m hiç	gh in tree]
UTM	Tree ID								t and Type of Cavities
Stick Nests:		(	Contains la ⊒-Y* / □-N	arge stick n	ests? own, no acce	ss (*if yes	, describe in tabl	e belov	v)
STICK NEST(S) IDEN UTM	TIFIED	Tree ID	Tre	e Spp.	Nest Size	Photo N	No. Spp. C	Observe	d Using Feature
Seeps/Springs/Ver	nal Pool	s: (	Contains s D-Y* / □-N	eeps/spring	s/vernal poo own, no acce	ls? ss (*if yes	, describe in tabl	e belov	v)
SEEP/SPRING/VER	NAL POO	L FEATURE(	S) IDENT	IFIED					
UTM	Fea	ture No. & Typ	10	re Size neter)	Water Depth	Photo N	o. Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
SPECIES & HABITAT	OBSERV	ATIONS (list :	species and	l type of ob	servation & i	ndicate on	map)		
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CA=carcass; DP=distinctive parts: FE=feeding evidence; FY=eggs/nest; HO=house/den; OB=observed; SC=scat; SI=other sign; TK=mack; VO=vocalization

Stantec	Stantec Con 1 – 70 South Guelph, ON Canada N1C Tel: (519) 83 Fax: (519) 83	gate Driv 6 4P5 6-6050		Roadside ELC, Woodland & Wildlife Habitat Assessment Form						
Project Number:	(009<	076	7	Project Name: NEWC						
Date:			18,2012	Field Personnel: C. Ross						
Weather Conditions:	TEMP (°C): WIND:			CLOUD:	PPT:	PPT (in last 24 hrs)				
				POLYGON DES	CRIPTION					
				TOPOGRAPHIC F	EATURE	HISTORY				
COMMUNITY	COMMUNITY DESCRIPTION & END TIME:			☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ YALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	O NATURAL CULTURAL				
STAND DESCRIP	TION:									
LAYER	нт	CVR		ES IN ORDER OF DECREASING DOMINANCE EATER THAN; >GREATER THAN; = ABOUT EQUAL TO)						
1 CANOPY										
2 SUB-CANOP	Υ									
3 UNDERSTORE										
4 GRD. LAYER		4	goldano	177 rague	ed 79, veno					
HT CODES: CVR CODES:					.5 <ht≤1m 6="0.2&lt;HT≤0&lt;br">i60% 4=CVR&gt;60% N/</ht≤1m>					
STANDING SNAGS	:		10 – 24	25 – 50	>50					
ABUNDANCE CODES:		N	NONE RERARE	O=OCCASIONAL	A=ABUNDANT N/	O=Not observed				
STAND MATURITY:	PIONEER	:	YOUNG	MID-AGE	MATURE	OLD GROWTH				
VEGETATION TYPE	: 11	Λ.	1		CODE:					

CODE:

COMPLEX

Evidence of Disturbance / Notes:

cultural moadow

LAYERS: 1=CA	NOPY >10m	2=SUB-CANC	PY 3=UND	ERSTOREY	4=GROUND (G	RD.) LAYER
ABUNDANCE CO	DDES: N=NONE	R=RARE O=	OCCASIONAL.	A=ABUNDANT	D=DOMINANT	N/O=Not observe

ABUNDANCE CODES: N=NONE R=RARE O=	HAR		YER		DISTANCE	COLL	
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL
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	00 11 11	Quality Control:This form is complete 🛘 & legible 🔾				
Signature:	llefter floor	Signature:				
5	(Field Personnel)	(Project Manager)				

ELC Polygon: #\SB	Asses	sment Type:	☑-Visual; n	o access / 🛭	3-Walk throu	gh feature	•		
Extent of Physical Inv	estigatior	of Feature:	□-Entire / 0	⊒-Partial, wa	ilk through p	olygon <i>(in</i>	dicate on map)		
Reptile / Bat Hiberi	nacula F		□-Y* / □-N [i.e. features bridge abutm Contains po □-Y* / □-N	I /  -Unknow that would pro- cents or culvert otential bat h I /  -Unknow	wide a route un s with cracks/c ibernacula fo	s (*if yes, aderground, entry points, eatures? s (*if yes,	describe in table including buried o	onerete or rock (e.g. foundations, rices or inactive animal burrows)]	
POTENTIAL HIBERN	IACULA						· · · · · · · · · · · · · · · · · · ·		
UTM			Feature Des	cription	÷	Photo No. Spp. Observed Using Feature			
Bat Roosting Feat		□-Y* / □-N [i.e. tall tree	/ <b>I-</b> Unknoes with oper	surroundin	ss (*if yes, d		table below) acing cavities ~	10m high in tree]	
POTENTIAL BAT RO		· · · · · · · · · · · · · · · · · · ·			T 50 GI	(4.40)			
UTM	Tree ID	Tree Spr	o. DBH	Photo No.	Decay Cla	ass (1-5)	No. of Cavities	Height and Type of Cavities	
Stick Nests:			Contains la □-Y* / □-N	arge stick ne	sts? wn, no acces	ss (*if yes,	describe in table	e below)	
STICK NEST(S) IDEN	TIFIED	T ID	7	. 0.	N 4 0°	DI 4 NI			
UTM		Tree ID	ire	ee Spp.	Nest Size	Photo N	0. Spp. C	Observed Using Feature	
Seeps/Springs/Ver	nal Poo	ls:	Contains s □-Y* / □-N	eeps/springs	s/vernal pools wn, no acces	s? ss (*if yes,	describe in table	e below)	
SEEP / SPRING / VER	NAL PO	OL FEATURE	(S) IDENT	IFIED					
UTM	Fe	ature No. & Ty	VDe	re Size neter)	ater Depth	Photo No	Sub/Emerger Spp. Prese		
SPECIES & HABITAT	OBSER'	VATIONS (list	t species and	I type of obse	ervation & in	dicate on 1	nap)		
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CA=carcass: DP=distinctive parts: FE=feeding evidence: FY=eggs/nest: HO=house/den; OB=observed: SC=scat; SI=other sign: TK=track: VO=vocalization