ELC Polygon: #26-9	Asses	ssment Type: 🗹	/ I-Visual; no	access /	□-Walk throu	igh feature					
Extent of Physical Inv	-	n of Feature: 🚨	l-Entire / □	-Partial, w	alk through p	olygon <i>(inc</i>	licate on map)				
Reptile / Bat Hiber	nacula F	i.c	I-Y* / □-N / e. features the idge abutment ontains pot I-Y* / □-N /	/ ☑-Unknonat would protect or culvertential bat	rovide a route un rts with cracks/ hibernacula f	ss (*if yes, conderground, interpretation of the control of the co	describe in table in cluding buried c	onerete or i	or rock (e.g. foundations, nactive animal burrows)]		
POTENTIAL HIBERN	NACULA						,				
UTM		Fe	eature Desc	ription		Photo No.	Spp. O	bserved	Using Feature		
		h		***************************************		***************************************					
APPRotection filtrations as a second			**************************************	***************************************							
Bat Roosting Features: Contains potential bat roosting features? □-Y* / □-N / ℚ-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											
UTM	Tree ID			Photo No	Decay Cl	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities		
- Live and the state of the sta											
Stick Nests:		C	Contains lar	ae stick n	ests?						
]-Y* / □-N	Ĭ Ø-Unkn	own, no acce	ss (*if yes,	describe in tabl	e belov	<i>(</i>)		
STICK NEST(S) IDEN	TIFIED	Tree ID	Tros	Spp.	Nest Size	Photo No	Snn (Dhearva	d Using Feature		
OTIVE		Tree ID	1100	Эрр.	Nest Size	I HOLO INC	, орр. с	Jusei ve	u Comg Peature		
	1.0										
Seeps/Springs/Ve	rnal Poo	ols: C			gs/vernal poo own, no acce		describe in tabl	e belov	<i>(</i>)		
SEEP / SPRING / VEI	RNAL PO	OL FEATURE(
UTM	Fe	eature No. & Typ	pe Feature (Dian	()	Water Depth	Photo No.	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?		
					***************************************		д	***************************************			
SPECIES & HABITA	T OBSER	EVATIONS (list s	species and	type of ob	servation & ir	idicate on n	nap)				
- Unclusion	appe	ars dry a	f this	s tim	e Cit	runs	through	poly	gon from		
- Minchaion	featu	eres with	in 120		rc	d to	SE)				
10000	(,								
:									4.		
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									179		

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 Dri Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493	Poly 9	Woodla: As:	oadside EL0 nd & Wildlife sessment Fo	Habitat
Project Number:	- // -	1	Project Name:	- / - /	
Date:	July 27		Field Personnel:	N.Charl	0
Neather Conditions:	TEMP (°C):	3 wind	CLOUD:	РРТ-	PPT (in last 24 hrs):
			POLYGON DES	CRIPTION	
			TOPOGRAPHIC F		HISTORY
ELC COMMUNITY DESCRIPTION & CLASSIFICATION	POLYGON: 36 START TIME: 1 END TIME:	, -9 Z=40	☐ 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:				
LAYER	HT CVR			DECREASING DOM EATER THAN; = AB	
1 CANOPY	2 3			BRZQUEBIC	
2 SUB-CANOP				-ULMAME	R = FRAPENY
3 UNDERSTORE 4 GRD, LAYER			> SPIALBA > SULIDAGO		
IT CODES:	1=>25m 2=10<	HT≤25m 3= 2 <ht≤10< td=""><td>0m 4=1<ht≤2m <b="">5=0.</ht≤2m></td><td>.5<ht≤1m 6="0.2<HT≤<br">60% 4=CVR>60% N</ht≤1m></td><td></td></ht≤10<>	0m 4=1 <ht≤2m <b="">5=0.</ht≤2m>	.5 <ht≤1m 6="0.2<HT≤<br">60% 4=CVR>60% N</ht≤1m>	
STANDING SNAGS	:	N/O <10	P 10 – 24	N/ 25 - 50	MO >50
BUNDANCE CODES:		N=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N	O=Not observed
STAND MATURITY:	PIONEER	YOUNG	MID-AGE	MATURE	OLD GROWTH
/EGETATION TYPE	iduon sur	imp		CODE: SW	D
COM	IPLEX	buttonbus	h	CODE: SWT	2-4
Evidence of Distr	urbance / Notes				
				vather t	han
- moi	re mate I westu	ive aw	ray from	n Rd.	

LAYERS: 1=CANOPY > 10m 2=SUB ABUNDANCE CODES: N=NONE R=RAR	-CANOPY RE 0 =OCCAS	IONAL A	-ABUN	EY 4:	=DOMINAN	GRD.) LAYE T N/O=Not	R observed
SPECIES CODE		_	YER			FROM RD.	COLL
	1	2	3	4	≤5 m	>5 m	(1 - <u>1)</u>
TREES:	A	OR A				1	
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ALERUBIL FRAPENN DUE PACO ULMAMER	A	0	_	ļ			
QUEMICO.	R	12					
ULMAMER		10	-				
		-		-			
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		ļ		 			
THE STREET STREET				-			
3.4.2.202	====	-		 			
		+					<u> </u>
	-	 		1			
SHRUBS:			-				
(EDACC)			Vincle	in)			
CEPOCEL Gray dos WOND SPIALBA		1	Inch	MIN /			
En DI 42		 	A	-			
SPIALITA		+	/ /	 			
		+		 			
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and the same of th		-	 	 			
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GROUND:		12.11			112	(m	
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The state of the s							
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30.200				1			
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Signature: (Field Personnel)

Quality Control:This form is complete

§ legible

Signature:

(Project Manager)

ELC Polygon: #%6-	Asse	ssment Type: 0	V I-Vis	sual; no	access	s / 💷-	Walk throu	gh feature	9				
Extent of Physical Inv	estigatio	n of Feature:〔	⊒-En	tire / 🖵	-Partial	, wall	c through po	olygon <i>(in</i>	ıdic	ate on map)			
Reptile / Bat Hiber	nacula I		Contains potential reptile hibernacula features? -Y* / -N / Y-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 / Y-Unknown, no access (*if yes, describe in table below) [i.e. karst topography, abandoned mines or caves]										
POTENTIAL HIBER	NACULA					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	71700 111110.5						
UTM		I	Featu	re Desc	ription			Photo No	0.	Spp. O	bserved	Using Featu	re
Bat Roosting Features: Contains potential bat roosting features? -Y* / -N / Vinknown, 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 RO	OOSTING						,					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
UTM	Tree II	Tree Spp		DBH	Photo	No.	Decay Cla	ıss (1-5)	No	o. of Cavities	Height	t and Type of	Cavities
					••••••••••	~							
Stick Nests: STICK NEST(S) IDEN	NTIFIED		Cont □-Y*	ains lar ' / ロ-N .	ge stick / ☑-Unl	nest know	s? n, no acces	s (*if yes,	de	escribe in table	e below	()	
UTM		Tree ID	**************************************	Tree	Spp.		Nest Size	Photo N	о.	Spp. O	bserve	d Using Feati	ure
Seeps/Springs/Ve	rnal Poc	ls:	Cont □-Y*	ains se	eps/spr / 🗹-Uni	ings/\	vernal pools	s? s (*if yes,	de	scribe in table	e below)	
SEEP / SPRING / VEI	RNAL PO	OL FEATURE	· ·									,	
UTM	Fe	ature No. & Ty	pe	Feature (Diame		Wa	ter Depth	Photo No	0.	Sub/Emergen Spp. Prese		Shrubs/ Log Prese	, ,
			1						1				
SPECIES & HABITA	T OBSER	VATIONS (list	spec	ies and	type of	obser	vation & inc	dicate on 1	maj	p)			
-no fea	twe	, exce	pt	dry	SW	ケ,	Wi	Hhin		120m	o f	Rd	36 S
													(T)

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 Project Number: Date:	Stantec Consultin 1 – 70 Southgate I Guelph, ON Canada N1G 4P5 Tel: (519) 836-605 Fax: (519) 836-249 I G 9 50 Tuly 2 7	Poly 17	Woodla	10120	Habitat
Veather Conditions:	TEMP (°C):	WIND.	CLOUD.	PPT:	PPT (in last 24 hrs):
			POLYGON DES		LIEVARY
			TOPOGRAPHIC F		HISTORY
ELC COMMUNITY DESCRIPTION & CLASSIFICATION	POLYGON: START TIME: END TIME:	6-12	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	E*NATURAL □ CULTURAL
STAND DESCRIP	TION:				
LAYER	нт су	D		DECREASING DOMI EATER THAN; = ABO	
1 CANOPY	3	UINAM.	I.R		>
2 SUB-CANOP	Y		<u> </u>		
3 UNDERSTORE	Y 4 2	SPINIBA	7		
4 GRD. LAYER	5-7 U	SULCUAV	> BIDEN	C=TUPAKU.	= PHAARUN
IT CODES:	P / 1	0 <ht≤25m 3="2<HT≤10</td"><td>101 10 5-1-</td><td>1104400</td><td></td></ht≤25m>	101 10 5-1-	1104400	
:VR CODES:	0=NONE 1=0	0% <cvr≤10% 2="10<C</td"><td>VR≤25% 3=25<cvr≤< td=""><td>60% 4=CVR>60% N/</td><td>O=not observed</td></cvr≤<></td></cvr≤10%>	VR≤25% 3 =25 <cvr≤< td=""><td>60% 4=CVR>60% N/</td><td>O=not observed</td></cvr≤<>	60% 4=CVR>60% N/	O=not observed
TANDING SNAGS	NB		10_24	25 – 50	≥50
BUNDANCE CODES:	- 17/	N=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N/	O=Not observed
TAND MATURITY	PIONEER	YOUNG	MID-AGE	MATURE	OLD GROWTH
/EGETATION TYPE	forbminer	rldrallow ma	rsh	CODE: MAS	2-9
COM	PLEX			CODE:	
Evidence of Dist	urbance / Note	es:			
М	45 (for	-h)			

MAS of shrub/tree

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		LA	YER	4012/4	DISTANCE	COLL.	
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL
REES:	\$ e			42	/£		
ULMAMER	A				V		
ULMAMER FRAPENN	AP						
SHRUBS:			2. 10 10 10 10 10 10 10 10 10 10 10 10 10				
	31 9-19-31-02-		A	S 110 30 - 2.50			
SPIALIBA CORNUJ			0		V		
						•	
GROUND:					\$		
Bidons CD			1	0			
SIUCUAV				Α			
TYPANGU				0			
PHAARUN				0	~	V/	
Bidens sp SIUSUAV TYPARGU PHAARUN SCIPPUN /SCHOOLOPLECTUR						1	
			1	L			

Signature:	Will Charl	
_	/ (Field Personnel)	_

Quality Control: This form is complete Q & legible Q.

ignature: 🅼

(Project Manager)

									Wild	life Habitat Assessment Form
ELC Polygon: # %	2 Assess	ment Type: ╚┹	√isual; no	o access /	′ □-Walk t	hrou	ıgh feature	•		
Extent of Physical Investigation of Feature: —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.										
		□-` [i.e. brid Cor □-` [i.e.	Y* / □-N features the features the features the features for features features for features feat	/ d-Unknothat would pents or culve tential bat / D-Unknothat / D-Unknoth	own, no a provide a ro- erts with era t hibernac own, no a	cces ute un acks/o ula f cces	is (*if yes, inderground, entry points eatures? is (*if yes,	describe in table	concrete vices or	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBER	NACULA F	EATURE(S) ID	ENTIFIE	D						
UTM		Fea	ture Desc	cription			Photo No	. Spp. C	bserve	d Using Feature
				······································						

							<u> </u>			
Bat Roosting Feat POTENTIAL BAT RO		Contains poter -Y*/-N/- [i.e. tall trees w	1-Unknov /ith open	vn, no acc surroundi	cess (*if ye	es, d >25	escribe in cm, side-1	table below) acing cavities ~	10m hi	gh in tree]
UTM	Tree ID	Tree Spp.	DBH	Photo No	n Dece	v Cl	ass (1-5)	No. of Cavities	Haird	4 and Toma of Caritina
		Ттоо сурр.	DDII	THOLOTA	o. Deca	y Ci	133 (1-3)	No. of Cavities	neign	t and Type of Cavities
Stick Nests:		Co	ntains lár Y* / ⊠-N	rge stick n / □-Unkn	ests? own, no a	cces	s (*if yes,	describe in tabl	e belov	v)
STICK NEST(S) IDEN		T. I.			1					
UTM		Tree ID	Tree	Spp.	Nest:	Size	Photo N	o. Spp. C)bserve	d Using Feature
7						***********			•	
S										
Seeps/Springs/Vei	rnai Poois	: Col	ntaıns se Y* / □-N	eps/spring	gs/vernal own_no.a	pools	s? s (*if vac	describe in table	a halau	v)
SEEP/SPRING/VEF	RNAL POOI	L FEATURE(S)	IDENTII	FIED	OWII, 110 G	0003	o (11 yes,	describe in table	e Delov	v)
UTM		ure No. & Type	Feature (Diame	Size	Water Dep	th	Photo No	Sub/Emergen Spp. Prese		Shrubs/ Logs at Edge Present?

			***************************************				···			
SPECIES & HABITA	Γ OBSERVA	ATIONS (list spe	cies and	type of obs	servation (& inc	licate on n	ıap)		
-appears	dry									1,
	/									÷ ,
										2 11 2

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

Stantec	Stantec Con 1 - 70 South Guelph, ON Canada N10 Tel: (519) 83 Fax: (519) 83	gate Drive 4P5 5-6050		Woodlar	oadside ELC nd & Wildlife sessment Fo	Habitat
Project Number	1695	026	9	Project Name:	NRWC	
Date	July	27		Field Personnel:		ton
Veather Conditions:	TEMP (°	C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):
				POLYGON DES	CRIPTION	
				TOPOGRAPHIC F	EATURE	HISTORY
ELC COMMUNITY DESCRIPTION & CLASSIFICATION	POLYGON: START TIM END TIME:	E: .	-13 -13	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL, UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	MATURAL □ CULTURAL
TAND DESCRI	PTION:					
	НТ	CVR		EIES IN ORDER OF DE EATER THAN; >GRE		
LAYER			7/	1 . 1 0 0		
LAYER 1 CANOPY	2-3	2	deciduo	is trees		
			deciduo	is trees		
1 CANOPY	Υ	2	SPALBA	us trees		

IT 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 :VR CODES: 0=NONE 1=0%<CVR≤10% 2=10<CVR≤25% 3=25<CVR≤60% 4=CVR>60% N/O=not observed 25....50 **STANDING SNAGS:** BUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT N/O=Not observed STAND MATURITY: PIONEER YOUNG MID-AGE MATURE OLD GROWTH CODE: SWT2-6 /EGETATION TYPE: thicket swamp meadowsweet COMPLEX CODE:

Evidence of Disturbance / Notes:

ABUNDANCE CODES: N=NONE R=RARE O=	OCCASIO	ONAL A	=ABUN	DANT C	=DOMINAN	(GRD.) LAYE T N/O ≕Not o F FROM RD.	Robserved
SPECIES CODE	1	LA [*]	YER 3	4	≤5 m	>5 m	COLL.
trees: deciduous frees	A					V	
SHRUBS: SPIALBA			A				
4							
GROUND:) ()		

	Quality Control: This form is complete 2 & legible 2.
Signature: Management of the state of the st	Signature: Outher Keen
(Field Personnel)	(Project Manager)

ELC Polygon: # 86-	13 As:	sessm	ent Type: 🖒	r -Visual;	no acces	ss / 🗖-	·Walk throu	gh feature) ,			
Extent of Physical In	vestiga	tion of	Feature:	I-Entire	/ □ -Partia	ıl, wall	k through p	olygon <i>(in</i>	dicate on map)			
Reptile / Bat Hibe	rnacul	a Fea	[i bi C	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 HIBER	NACUI	A FE	ATURE(S) I	DENTIF	TED		7711107					
UTM			F	eature D	escription			Photo No	o. Spp. O	bserved	l Using Feature	
Bat Roosting Fea	tures:		Contains pot □-Y* / □-N / i.e. tall trees	☑ -Unkr	nown, no	acces	s (*if yes, d	escribe in	table below) facing cavities ~	10m hiç	gh in tree]	
POTENTIAL BAT R				1			T					
UTM	Tree	ID	Tree Spp.	DB	H Photo	No.	Decay Cl	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavitie	
Stick Nests:			C	Contains ⊒-Y* / ☑	Jarge stic -N / □-Ur	k nest	ts? n, no acces	ss (*if yes,	describe in tabl	e belov	V)	
STICK NEST(S) IDE UTM	CNTIFIE		ree ID	Т	ree Spp.		Nest Size	Photo N	o. Spp. 0	Observe	d Using Feature	
											maurum, mar indiminus dine canacinana me	
Seeps/Springs/Ve	ernal P	ools:	C	Contains D-Y* / 🖸	seeps/sp -N / ☑-Ur	rings/	vernal pool	s? ss (*if yes,	describe in tabl	e belov	<i>(</i>)	
SEEP/SPRING/VE	RNALI	POOL					· · · · · · · · · · · · · · · · · · ·					
UTM		Featu	re No. & Typ	nei	ameter)	Wa	ter Depth	Photo No	Sub/Emerger Spp. Prese	_	Shrubs/ Logs at Edg Present?	
SPECIES & HABITA	AT OBS	ERVA'	TIONS (list s	species a	nd type of	obser	vation & in	dicate on 1	nap)			
				-								
											4	
											* 22	
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	Stantec Con 1 70 South Guelph, ON Canada N10 Tel: (519) 83 Fax: (519) 83	gate D nv 3 4P5 6-6050		Woodla	oadside EL0 nd & Wildlife sessment Fo	Habitat					
Project Number:	16,0950	269		Project Name:	NRWC .						
Date:	July	27		Field Personnel:		m					
Veather Conditions:	TEMP (°	C):	WIND:	CLOUD	PPT:	PPT (in last 24 hrs):					
				POLYGON DES	CRIPTION	,					
				TOPOGRAPHIC F	EATURE	HISTORY					
COMMUNITY	COMMUNITY CESCRIPTION & FIND TIME: COMMUNITY										
TAND DESCRIP	TION:										
LAYER	нт	CVR			DECREASING DOM EATER THAN; = AB						
1 CANOPY	2	3	SAUX >1	LLMAMER							
2 SUB-CANOPY	<i>'</i> .			· •							
3 UNDERSTORE	Y 4	3	SAUX >CU	RNM> SPI	ALBA						
4 GRD. LAYER			Notvisibl	-							
IT CODES: :VR CODES:					.5 <ht≤1m 6="0.2<HT≤<br">i60% 4=CVR>60% N</ht≤1m>						
TANDING SNAGS:	NIO	4	<10	10 – 24	26 60	>50					
BUNDANCE CODES:		N	I=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N	/O≃Not observed					
TAND MATURITY:	PIONEER	₹	YOUNG	MID-AGE	MATURE	OLD GROWTH					
EGETATION TYPE	wille	, Wa	deciduous	wamp	CODE: SWD	4-1					
COM	PLEX				CODE:						
ividence of Dieta		Natan									

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=	COCASIO	LAY	ER		DISTANCE	FROM RD.	COLL.
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
TREES:		100	雅樂	12(18)			
SALIX					V	V	
SALIX ULMAMER	ļ				V	V	
•	<u> </u>						
	-				<u> </u>		
	1						
	1						
				Set =1.7112			
SHRUBS:	ms.c.m	11000		167			
CORNER (gray) SPIAURA							
SPIAUSIT				-			
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	1						
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	1 2 24345-12	40301.0	A		Continue says	-29	The Control
GROUND: PHA A RUN	100	11227	13326	15, 23		Village Hor	5 1
PHAMEUN	 						
							
					<u> </u>	<u> </u>	<u> </u>

Signature: (Field Personnel) Quality Control:This form is complete \square & legible \square .

Signature:

ELC Polygon: #%-	Assess	sment Type: 12-\	/ /isual; nc	access / 🗆	-Walk throu	gh feature	1		
Extent of Physical Inv	estigation/	of Feature: □-E	Entire / 🗅	I-Partial, wal	k through p	olygon <i>(inc</i>	dicate on map)		
Reptile / Bat Hiber	nacula Fe	□-Y [i.e. brid; Cor □-Y	Y* / Q-N / features the lace abutmentains pot y* / Q-N /	hat would prov ents or culverts it ential bat hi l	n, no acces yide a route un with cracks/c bernacula fe n, no acces	s (*if yes, onderground, entry points, eatures? s (*if yes, o	describe in table including buried o	onerete de dees or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBER	NACULA F	FEATURE(S) IDE	ENTIFIE	,D					
UTM	-	Feat	ture Desc	ription	··· · · · · · · · · ·	Photo No.	. Spp. O	bserved	l Using Feature
			***************************************	***************************************	***************************************				

Bat Roosting Feat			I-Unknow vith open	wn, no acces surrounding	ss (*if yes, d	escribe in cm, side-f	table below) acing cavities ~	10m hiç	gh in tree]
POTENTIAL BAT ROUTM	OOSTING F	FEATURE(S) IDI	ENTIFIE DBH	Photo No.	Decay Cla	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
						100 (1 5)	THO OF CALLED	11015	tana i jpo ot oattiio
		1							
Stick Nests:	i i		-taine la	otiok noc	452				
			ntains iai Y* / □-N	rge stick nes / ☑-Unknow	is <i>r</i> in, no acces	s (*if yes,	describe in table	e belou	<i>ı</i>)
STICK NEST(S) IDEI	NTIFIED	Tree ID	Trac	e Spp.	Nest Size	Photo No	- Snn (N. Canala	A Tielma Continua
ULIVE		TIEC ID	1:00	. Տիր.	INCST SIZE	Fhoto Ive	յ, շիր, շ	/DSCI VE	d Using Feature

Seeps/Springs/Ve	rnal Pools	5: Cor □-'	ntains se Y* / □-N	eps/springs/ / 🗹-Unknow	/vernal pools /n, no acces	s? ss (*if yes,	describe in table	e below	/)
SEEP / SPRING / VEI	RNAL POO		IDENTII	FIED		1			
UTM	Feat	ture No. & Type	Feature (Diame	LIV 0	ater Depth	Photo No.	Sub/Emergen Spp. Prese		Shrubs/ Logs at Edge Present?
SPECIES & HABITA				- 1		dicate on m	лар)		
nothing wi	ithin 1	20 m (n	one l	istedho	re)				7.
									fig. tis

Stantec Project Number: Date:	1 – 70 South Guelph, ON Canada N10 Tel: (519) 83 Fax: (519) 83	gate Driv 3 4P5 3-6050	Poly 15	Woodla		Habitat
Veather Conditions:	TEMP (°	C):	WIND:	SO	PPT:	PPT (in last 24 hrs):
				POLYGON DES		
				TOPOGRAPHIC F	EATURE	HISTORY
COMMUNITY	POLYGON: START TIM END TIME:	86-	-15 20	☐ LACUSTRINE ☐ RIVERINE ☐ ROTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	ضATURAL □ CULTURAL
TAND DESCRIP	TION:					
LAYER	HT	CVR			DECREASING DON EATER THAN; = AB	
1 CANOPY	2	4	ACESASA:	> OUERUB!	2	
2 SUB-CANOPY	(3	3	ACESASA =	QUERUBR =	CAROVAT	
3 UNDERSTORE	YU		CORNU			
4 GRD. LAYER			not visib	le		
IT CODES:					.5 <ht≤1m <b="">6=0.2<ht≤ i60% 4=CVR>60% N</ht≤ </ht≤1m>	

<10

N=NONE R=RARE

YOUNG

10 - 24

O=OCCASIONAL

MID-AGE

25 - 50

FOD9

N/O=Not observed

OLD GROWTH

A=ABUNDANT

MATURE

CODE:

CODE:

COMPLEX

Evidence of Disturbance / Notes:

F-MOak-Maple - hickon

PIONEER

iTANDING SNAGS:

BUNDANCE CODES:

ITAND MATURITY:

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

LAYER DISTANCE FROM RD.

SPECIES CODE COLL.

ABONDANCE CODES, N-NONE K-MARE O-	- CONTON	LA	/ER		DISTANCE	COLL.	
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
TREES:	31438		VI. 19	SEME	ter a legic	Walter Ve	- 16 to
ALESASA QUERUBR ZAROVAT ULMAMER	A	0			1	V	
QUERUBR	A	0			<u> </u>		
PROVAT	, ,	0			V		
ULMAMER		R				(h)	
SHRUBS: Gray dogward CRATAEGUO	3155	in this way	A	18.88.0		59 U.52 W	
gray dogwood							
CRATAEGUS		R					
		ļ .					
						1	
	ļ				ļ		
					<u> </u>		
					<u> </u>		
		<u> </u>					
		 					
GROUND:		115 AS 11	(F1(6)) (4)	-5200	3907A4.650	are de	. 297
GROUND.	ecuis.	2539240	21/2012	i Barrani	ENAMED ROLL	3250 00	
	 	<u> </u>					
		 					
				<u> </u>			
^							

Signature: (Field Personnel)

Quality Control:This form is complete □ & legible □.

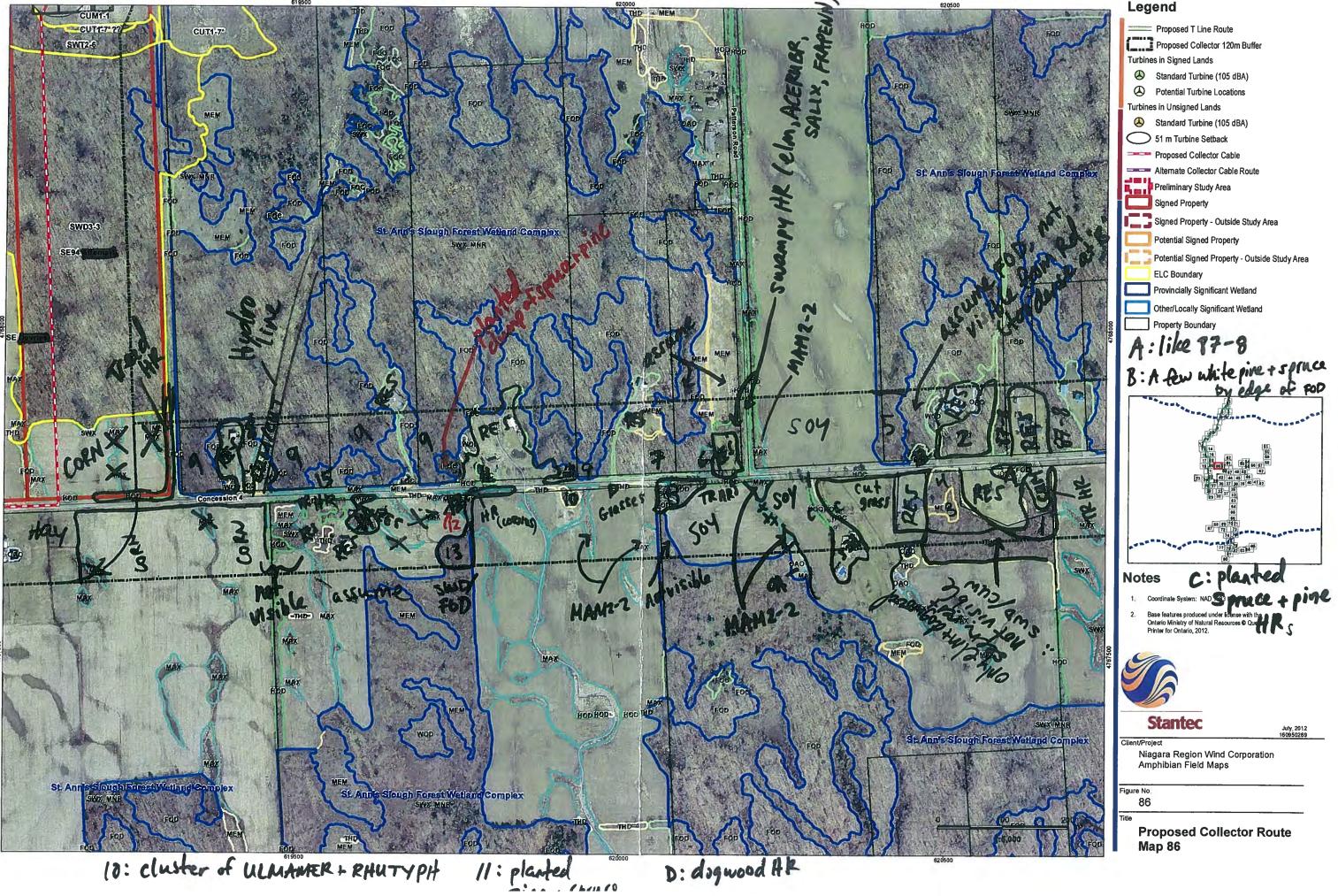
Signature:

(Project Manager)

ELC Polygon: # %	Asses	sment Type:	☑-Vis	ual; no	access	s / 🛚-	Walk throu	gh feature)	VIII	ile Habitat / issessment / omi
Extent of Physical Inv)	
Reptile / Bat Hiber			□-Y* [i.e. fc. bridge Conta □-Y* [i.e. ka	/ Q-N / atures the abutment of the poly- abu	/ 🔟-Unk pat would nts or cu tential b / 🔟-Unk graphy,	knowr I provi Iverts Dat hik knowr	ide a route ur with eracks/c pernacula fo	s (*if yes, oderground, entry points eatures? s (*if yes,	describe in ta	l concrete revices or	or rock (e.g. foundations, inactive animal burrows)]
UTM					ription			Photo No	Spp.	Observe	d Using Feature
		***************************************	***************************************				3				
Bat Roosting Feat		[i.e. tall tree	I / ☎-L es with	Jnknov open	vn, no a surrour	cces	s (*if yes, d		table below) facing cavities	~10m hi	gh in tree]
UTM	Tree ID		1	DBH	Photo	No.	Decay Cla	ass (1-5)	No. of Cavitie	s Heigh	t and Type of Cavities
						······································			·		
											, , , , , , , , , , , , , , , , , , , ,
Stick Nests:			Conta	ains lar	ge stićl / ⊠-Uni	c nest	s? n_no acces	s (*if ves	describe in ta	hle helov	v)
STICK NEST(S) IDEN	TIFIED							, o (doddingo iii te	DIO DOIO!	
UTM		Tree ID		Tree	Spp.		Nest Size	Photo N	o. Spp	. Observe	d Using Feature
								<u> </u>			
Seeps/Springs/Ver	nal Poo	ls:	Conta	ains se / <mark>□</mark> -N	eps/spr / 🛂-Un	ings/ know	vernal pools n, no acces	s? ss (*if yes,	describe in ta	ble belov	v)
SEEP/SPRING/VER	NAL PO	OL FEATURE	E(S) IE	ENTII	FIED						
UTM	Fe	ature No. & T	уре	Feature (Diam		Wa	ter Depth	Photo No	Sub/Emerg		Shrubs/ Logs at Edge Present?

								<u> </u>			
SPECIES & HABITAT	r obser	VATIONS (lis	t speci	es and	type of	obser	vation & in	dicate on 1	nap)		
											4
											, 3,

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



D: dogwood AK

Proposed Collector Route

Stantec	Stantec Cons 1 – 70 Southo Guelph, ON Canada N1G Tel: (519) 836 Fax: (519) 83	pate Drive 4P5 6-6050			Woodla	Roadside and & Wild sessmen	llife F	
Project Number:	16095	026	9		Project Name	: NRWC		
Date:	July	27	, 2012		Field Personne	1: N. Cha	Hor	
leather Conditions:	TEMP (°	C):	win 3	D:	50°/,	PPT:	_ PF	PT (in last 24 hrs).
					POLYGON DE	SCRIPTION		
					TOPOGRAPHIC	FEATURE	HI	STORY
COMMUNITY	POLYGON: START TIME:	87	-1:10		☐ LACUSTRINE ☐ RIVERINE ■ RIVERINE ■ ROTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / (☐ ALVAR ☐ ROCKLAND ☐ BEACH / BA ☐ SAND DUNE ☐ BLUFF	CAVE	NATURAL CULTURAL
TAND DESCRIP	TION:							
LAYER	нт	CVR	(>>MUC		S IN ORDER OF TER THAN; >GR			
CANOPY								
SUB-CANOPY	1							
UNDERSTORE	Y							
GRD. LAYER	4-7	4	PHAA	RUN	>>TYPL	ATI		
T CODES: VR CODES:	1=>25m 0=NONE				m 4=1 <ht≤2m <b="">5= /R≤25% 3=25<cvf< td=""><td></td><td></td><td></td></cvf<></ht≤2m>			
TANDING SNAGS:			<	10	10 – 24	25 – 5	0	>50
BUNDANCE CODES:		N	=NONE	R =RARE	O=OCCASIONAL	A=ABUNDAN	N/O=	Not observed

MID-AGE

MATURE

CODE:

CODE:

OLD GROWTH

MAM2-2

COMPLEX
vidence of Disturbance / Notes:

reed caray in real meadow map

TAND MATURITY:

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/0=Not observe

ABUNDANCE CODES: N=NONE R=RARE O	=OCCASI	LA'	=ABUN YER	IDAN I' I	DISTANCE	FROM RD.	COLL.
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL
TREES:	Di Gura	or gran	Man.	nes sa	1100		18
				1			
	+						1
- III	1	1				1	
The state of the s	_	-	-	-			
	1	1					
	-			1	-	-	-
	-	-	-	1			
	+	-		+	-	-	-
				-			-
				100.700		-	
SHRUBS:	3 345	PARTIE D	(allu/	200	WE 12 12		-
							ļ
							1
GROUND:	CHARLE	F38-3	135	line!	Visit S	9-6	
PHAARUN				D	1/	/	
TUPIATI				0-0			
CARLURIA				R-O	1		1
TREM VI				MAN		†	-
	1	1		VIV			1
	1			1			
-	1				1		1
		1		-		-	-
No. of the last of	-	-		1	1		1
	+	+	_	+	-		
	-	-		+	-		
	-	-	-	-	-		-

Signature:	Mohar
71	(Field Personnel)

Quality Control: This form is complete

8 legible

8. Signature:

(Project Manager)

									Wildlif	e Habitat Assessment Form
ELC Polygon: #37-1	Asses	sment Type: N	ଧ-Visual; no	access /	□-W	alk throu	gh feature			
Extent of Physical Inv	estigation	of Feature: 〔	□-Entire / □	I-Partial, v	valk tl	hrough po	olygon <i>(inc</i>	dicate on map)		
Reptile / Bat Hiber	nacula F	[] (([i.e. features the bridge abutme Contains po	/ ☑/-Unknothat would pents or culvettential bat	own, r rovide erts wit t hiber own, r	no access a route un th cracks/e rnacula fe no access	s (*if yes, o derground, entry points, eatures? s (*if yes, o	describe in table including buried c	onerete (/ices or i	or rock (e.g. foundations, nactive unimal burrows)]
POTENTIAL HIBER	NACULA					earcein.				
UTM				Feature Description			Photo No.	Spp. O	bserved	Using Feature

Bat Roosting Feat			/ □-Unknoves with open	vn, no acc surroundi	ess (*if yes, de		table below) acing cavities ~	10m hig	h in tree]
POTENTIAL BAT RO										
UTM	Tree ID	Tree Spp	o. DBH	Photo N	0.	Decay Cla	iss (1-5)	No. of Cavities	Height	and Type of Cavities
					_					
	·									
Stick Nests:			Contains lai □-Y* / ☑-N	rge stick n / 🔲-Unkn	ests? own,	no acces	s (*if yes,	describe in tabl	e below	·)
STICK NEST(S) IDEN	TIFIED	Tues ID	T			T4 C'	DL -4- N	6. (NI	TIT. TO
UTM		Tree ID	1 ree	Spp.	1	Nest Size	Photo No	Spp. C	Jbserve	d Using Feature
Seeps/Springs/Vei	nal Pool	s:	Contains se	eps/spring	gs/vei	rnal pools	6? c (*if voc	describe in tabl	e helow	1
SEEP / SPRING / VEF	RNAL POC				01111,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0 (n y 00,	describe in tabi	C DC/OV	,
UTM		nture No. & Ty	Footun	e Size	Water	Depth	Photo No.	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
			·			***************************************				
SPECIES & HABITA	T OBSERV	/ATIONS (list	species and	type of ob	serva	tion & inc	dicate on n	nap)		
most likely	flood	ed in s	pring							
										2
										* 1
										- 3,

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 Project Number: Date:	Stantec Com 1 – 70 South Guelph On Canada N10 Tel (519) 83 Fax: (519) 83	gate Driv 3 4P5 3-6050	Poly 2	Woodla		Habitat
leather Conditions:	TEMP (° Z S	C):	WIND:	CLOUD.	PPT;	PPT (in tast 24 hrs).
				POLYGON DES	CRIPTION	
				TOPOGRAPHIC F	EATURE	HISTORY
COMMUNITY	POLYGON: START TIM END TIME:	87 E: ,	1-2	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL, UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	ØNATURAL □ CULTURAL
TAND DESCRIP	TION:					
LAYER	нт	CVR			DECREASING DOME ATER THAN; = AB	
I CANOPY	3	3	Salix>	CORNUD =	SPIALBA	
SUB-CANOP	1					
UNDERSTORE	Y					
I GRD. LAYER						
T CODES: VR CODES:					5 <ht≤1m 6="0,2<HT≤0<br">60% 4=CVR>60% N</ht≤1m>	
TANDING SNAGS:			A\$0 <10	N/O 10 - 24	N/0 25 - 50	W/10 >50
BUNDANCE CODES:		N	I=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N/	O=Not observed
TAND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH
EGETATION TYPE	· wil	low	mineral su	ramp Hucket	CODE: SWT	2-2
COM	PLEX				CODE:	
vidence of Distu	ırbance / I	Notes:				
1/0/	'u 1/	4	CI. TIMAN I	n a lawr	, `	

- very young swamp in a lawn - not much visible from rd

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/0=Not observe

ABUNDANCE CODES: N=NONE R=RARE SPECIES CODE	- U-UCCASI	LA'	YER	DISTANCE	1-88670		
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL
REES:			FILE		SINES!	Be Ton	
STETE							
SHRUBS:	THE WAR	W.E.C		2.77		17-5-10	
CORNUS	0					1	
SALIX	A						
SPIALBA	0					~	
GROUND:	F 1	No. N	9977	11.5			
		14					

Signature:	Kuli Che &
	(Field Personnel)

Quality Control:This form is complete 🗆 🖇 legible 🗅

Signature: (Project Manager)

										Wildlif	te Habitat Assessment Form	
ELC Polygon: #87-	2 Asse	essment Type	: 10 2-V	'isual; no	acces:	s / 🗖-	Walk throu	gh feature	•			
Extent of Physical Inv	estigation	on of Feature:	Q-E	intire / 🗆	I-Partial	l, walk	c through po	olygon <i>(in</i>	dicate on map)			
Reptile / Bat Hiber			□-Y [i.e. t bridg Cont □-Y [i.e. t	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	FEATURE(S						,				
UTM			Feat	ure Desc	ription			Photo No	hoto No. Spp. Observed Using Feature			
				***************************************	······································		,	-				
				***************************************		····				<u></u>		
Bat Roosting Feat	ures:	Contains r □-Y* / ⊡-I (i.e. tall tre	N / 🗅-	-Unknov	vn, no a	ccess	s (*if yes, de	escribe in	table below) facing cavities ~	10m hiç	gh in tree]	
POTENTIAL BAT RO	7	G FEATURE(S	S) IDE		D							
UTM	Tree II	D Tree Sp	p.	DBH	Photo	No.	Decay Cla	ass (1-5)	No. of Cavities	Height	t and Type of Cavities	

Stick Nests:			Cor	ntains lạg	ráe stick	noet	202			1.00		
Oliur Incolo.			□-Y	/* / DAN	/ 🔲 - Uni	know	s r n, no acces	s (*if yes,	describe in tabl	le below	<i>ı</i>)	
STICK NEST(S) IDEN	TIFIED											
UTM		Tree ID		Tree	Spp.	-	Nest Size	Photo N	o. Spp. C	Observe	d Using Feature	
		,						<u> </u>				
												
Seeps/Springs/Vei	rnal Po	ols:	Con	ntains se	eps/spr	ings/	vernal pools	s?	describe in tabl	le helov	Λ	
SEEP/SPRING/VER	RNAL PC	OOL FEATUR					1, 110 40000	3 (11) 00,	describe ar tab.	0 001011	/	
UTM	F	eature No. & T	Гуре	Feature (Diame		Wa	ter Depth	Photo No	Sub/Emerger Spp. Preso	nt Veg. ent?	Shrubs/ Logs at Edge Present?	
			_									
CERCINO O HADITA	TOPOET	DALA TRONIC (II		*			0 !					
SPECIES & HABITA	LORSER	RVATIONS (III	st spe	cies and	type of	obser'	vation & inc	dicate on 1	nap)			
											,1	
											T _{ro} B	
											6. 7 July 1972	

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

Stantec	Stantec Con: 1 – 70 Southe Gueiph, ON Canada N10 Tel: (519) 836 Fax: (519) 83	gate Drivi 3 4P5 3-6050	Poly 3		Roadside EL nd & Wildlif sessment F	ie Habitat			
Project Number:	11.09	(0 2 4	a	Project Name	NRWC				
Date:	<u> </u>	77	2012	Field Personnel		1			
Date	July	Z7,	2012	- 11610 F6150111161	N-COWY	TOY			
	TEMP (°	C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):			
leather Conditions:	25		3	50		Rin			
				DOLVGON DES	CDIDTION				
	POLYGON DESCRIPTION TOPOGRAPHIC FEATURE HISTORY								
	POLYGON:			LACUSTRINE	TALUS	MATURAL			
ELC	77-3			RIVERINE	CREVICE / CAV	E `			
	START TIM	É:		BOTTOMLAND TERRACE	☐ ALVAR ☐ ROCKLAND	CULTURAL			
COMMUNITY		10	: 25	□ VALLEY SLOPE	□ BEACH / BAR	İ			
DESCRIPTION &	END TIME:	(0		TABLELAND	SAND DUNE				
CLASSIFICATION				CLIFF	LI DEOI :				
TAND DESCRIP	TAND DESCRIPTION:								
LAYER	нт	CVR		ES IN ORDER OF I ATER THAN; >GRI					
I CANOPY									
SUB-CANOP	Y								
UNDERSTORE	EY 4	2	CORNUS						
GRD. LAYER	8 5-7	4		> TYPHAS	P > SOLIDA				
T CODES: VR CODES:	1=>25m 0=NONE			0m 4=1 <ht≤2m <b="">5=0 CVR≤25% 3=25<cvr< td=""><td></td><td></td></cvr<></ht≤2m>					
TANDING SNAGS	:		W/X <10	N/0 10-24	N/2 25 - 50	<i>N/0</i> >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	lawwee	+ m	ireal fuc	het swamp	CODE: 5W	r2-6			
COM	IPLEX				CODE:				
vidence of Dist	urhance / I	Votes.							
	ardly	vis		rd, ay	ppears to	be			
		1		1					

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 SPECIES CODE COLL. ≤5 m >5 m 10 2 3 4 TREES: QIEBICO SPIALBA res paniled dogwood ð GROUND: TYPHA SOLIPAGO

¥					
Signature: (Field Personnel)		y Contro	m is comple	te 🗆 & legib Manager)	ile 🗅.

								7411077	ic riabitat Assessment 1 Offit
ELC Polygon: #\\27_	? Assess	sment Type: 0	ฎ-Visual; no	access / (⊒-Walk throເ	ugh feature			
Extent of Physical Inv	/estigation	of Feature: C	⊒-Entire / □	I-Partial, wa	alk through p	olygon <i>(ind</i>	licate 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 HIBERI	NACULA F				Sterom.				
UTM			Feature Desc			Photo No.	Spp. C) bserved	Using Feature
Bat Roosting Feat			/ □-Unknow s with open	vn, no acce surroundin	ess (*if yes, d	lescribe in t Scm, side-fa	table below) acing cavities ~	10m híç	gh in tree]
POTENTIAL BAT RO	1	T			Down Cl	(1 8)	N. CO-vidios	** - t - 1-4	
UTM	Tree ID	Tree Spp.	. DBH	Photo No.	. Decay Cl	ass (1-5)	No. of Cavities	Height	t and Type of Cavities
								ļ	<u></u>
								ļ	
	<u>, </u>			<u> </u>					
Stick Nests:		(Contains lar ⊐-Y* / ဩ-N	ge stick ne / □-Unkno	sts? wn, no acce:	ss (*if yes, (describe in tabl	e below	()
STICK NEST(S) IDEN					1 :				
UTM		Tree ID	Tree	Spp.	Nest Size	Photo No	. Spp. C	Observe	d Using Feature
					_	 			

Seeps/Springs/Ver			□-Y* / □-N	/ 122-Unkno	s/vernal pool wn, no acces	s? ss (*if yes, o	describe in tabl	e below	()
SEEP / SPRING / VER	RNAL POO	L FEATURE(S) IDENTII	FIED					
UTM	Feat	ure No. & Typ	pe Feature (Diame		ater Depth	Photo No.	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
					,,				

		- MIONO (III							1
SPECIES & HABITAT	r observ	ATIONS (list :	species and	type of obse	ervation & in	dicate on m	ap)		<i>70</i> •
									30
									÷.
									4.
									• 12
								•	

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 Project Number:	1 – 70 Sor Guelph, O Canada N Tel. (519) Fax: (519)		Ltd. Coll. To	¹ Woodlai	oadside ELC nd & Wildlife sessment Fo	Habitat
Date:	70	27,2	0 2	Field Personnel:	Ncharto	\sim
feather Conditions:	TEMI 2S	P (°C):	WIND;	CLOUD:	PPT:	PPT (in last 24 hrs)
				POLYGON DES		HISTORY
ELC COMMUNITY DESCRIPTION & CLASSIFICATION	POLYGO START T	χ : IME: /	7-4 0:34	□ LACUSTRINE □ RIVERINE □ BOTTOMLAND □ TERRACE □ VALLEY SLOPE □ TABLELAND □ ROLL. UPLAND □ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	® NATURAL
TAND DESCRIP	PTION:	r CVR			DECREASING DOMI	
CANOPY	3	1	ILLM AME	<u> </u>	ATEN ITIAN, - AD	JOT EQUAL TO
! SUB-CANOP	Y					
UNDERSTOR		14	SPIAND		NGU > COP	NW
GRD. LAYER			TYPANGU	= COLIDAD	V) F=
T CODES:	1=>2	5m 2=10<	HIS25m 3= 2 <ht≤10< td=""><td>Jm 4=1<hts2m 5="0</td"><td>.5<ht≤1m <b="">6=0.2<ht≤0< td=""><td>J.om 7=H1<0.2m</td></ht≤0<></ht≤1m></td></hts2m></td></ht≤10<>	Jm 4=1 <hts2m 5="0</td"><td>.5<ht≤1m <b="">6=0.2<ht≤0< td=""><td>J.om 7=H1<0.2m</td></ht≤0<></ht≤1m></td></hts2m>	.5 <ht≤1m <b="">6=0.2<ht≤0< td=""><td>J.om 7=H1<0.2m</td></ht≤0<></ht≤1m>	J.om 7=H1<0.2m

VR CODES: 0=NONE 1=0%<CVR≤10% 2=10<CVR≤25% 3=25<CVR≤60% 4=CVR>60% N/O=not observed **TANDING SNAGS:** 10 - 2425 - 50**BUNDANCE CODES:** N=NONE R=RARE O=OCCASIONAL A=ABUNDANT N/O=Not observed TAND MATURITY: PIONEER MID-AGE MATURE OLD GROWTH **EGETATION TYPE:** COMPLEX CODE:

vidence 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= SPECIES CODE	000/10/	LA	YER	DANT	DISTANCE	COLL.	
SPECIES CODE	1	2	3	4	≤5 m	>5 m	TOLL.
TREES:	1312	對領部		1000	The Park		TEN S
ULMAMER	<u> </u>	0		-			
	-		<u> </u>	 			
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	-			<u> </u>	-		-
	1						
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SHRUBS:	4435	PROPERTY.		Way!			e miljeti i
SPIALBA CORNUS Cred Panicled)		ļ	A	Xt			-
COKNUS CIER PANICLA)	1		0		-		-
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	-		<u> </u>	-	-	-	-
	-		-	-	-		+
		<u> </u>		+			1
GROUND: TYPANGU SOLDA60		1947	0		W. Carlo		(= =
TYPANGU	-		0	A	1V		
30-0480	 		1	10	 ´		-
	-	<u> </u>	ļ	<u> </u>			ļ
			 				+
		-	-	+	-		
					1		

Signature: Mudrad	Quality Control: This form is complete elegible Signature:
(Field Personnel)	/(Project Manager)

ELC Polygon: #87-	-4 Assess	sment Type: 🕸-	∕ Visual; no	o access / 🗖	-Walk throu	gh feature)		
Extent of Physical In	estigation	of Feature: 🛚 -	Entire / 🗆	I-Partial, wal	k through p	olygon <i>(in</i>	dicate on map)		
Reptile / Bat Hiber	nacula Fe	□- [i.e brit Co □-	Y* / □-N . features to dge abutmo intains po Y* / ☑-N	hat would provents or culverts tential bat hi	n, no acces ide a route ur with cracks/o bernacula f n, no acces	s (*if yes, nderground, entry points eatures? s (*if yes,	describe in table including buried of	onerete o	r rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBER	NACULA F	EATURE(S) ID	ENTIFIE	D					
UTM		Feature Description				Photo No	Spp. O	bserved	Using Feature
Bat Roosting Feat	ures:	Contains pote U-Y* / U-N / U [i.e. tall trees v	⊒-Unknov	wn, no acces	s (*if yes, d	escribe in	table below) facing cavities ~	10m hig	h in tree]
POTENTIAL BAT RO	T			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: STICK NEST(S) IDE	NTIFIED	Co Q-	ontains la -Y* / 🖼-N	rge stick nes / □-Unknow	ts? n, no acces	ss (*if yes,	describe in tabl	e below,)
UTM		Tree ID	Tree	Spp.	Nest Size	Photo N	o. Spp. C	Observed	l Using Feature
Seeps/Springs/Ve	rnal Pools	S: Co	ontains se -Y* / □-N	eps/springs/	vernal pool	s? ss (*if yes,	describe in tabl	e below)
SEEP / SPRING / VEI	RNAL POO								
UTM	Feat	ure No. & Type	Featur (Diam		ter Depth	Photo No	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
SPECIES & HABITA	T OBSERV.	ATIONS (list sp	ecies and	type of obser	vation & in	dicate on 1	nap)		
									· . [:

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 Project Number:	Guelph, ON Canada N10 Tel; (519) 83 Fax; (519) 83	6 4P5 6-6050	Poly	Ne 87; R S Woodlar Ass	nd & Wildlif sessment F	e Habitat			
Date:	July	27		Field Personnel:		\sim			
feather Conditions:	TEMP (°	C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):			
	POLYGON DESCRIPTION								
				TOPOGRAPHIC F	EATURE	HISTORY			
ELC COMMUNITY DESCRIPTION &	POLYGON: START TIM END TIME:	87 E: 10	5 5:42	☐ LACUSTRINE ☐ RIVERINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ TROLL, UPLAND	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	MATURAL			
TAND DESCRIP	PTION:	CVR	SPECII	ES IN ORDER OF E	DECREASING DO	WINANCE			
LAYER			(>>MUCH GREA	ATER THAN; >GRE	ATER THAN; = AI	BOUT EQUAL TO)			
CANOPY	3	3	SAUX>	alm AMER	2				
! SUB-CANOP		44.1	C1: 4: 4:	- 1000					
UNDERSTORE		18 4	SPIALBA	> TYPAN	16-U	,			
GRD. LAYER						A WAR BEILD OF THE STATE OF THE			
T CODES: VR CODES:			1077)m 4=1 <ht≤2m 5="0.<br">VR≤25% 3=25<cvr≤< th=""><th></th><th></th></cvr≤<></ht≤2m>					
TANDING SNAGS	: N/7			10 – 24	25 - 50	>50			
BUNDANCE CODES:		N:	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT I	N/O=Not observed			
TAND MATURITY	PIONEER	` [YOUNG	MID-AGE	MATURE	OLD GROWTH			
EGETATION TYPE	willow	J S1	UT .		CODE: SW	TZ-2			
7	IPLEX				CODE:				
vidence of Dist	urbance / I	Notes:							
CU	-can't see ground veg layer, very shrubby								

ABUNDANCE CODES: N=NONE R=RARE O=C		LAY	'ER	Val. VII. N	DISTANCE	FROM RD.	DAY TO
SPECIES CODE	## 1 max	2	3	4	≤5 m	>5 m	COLL.
TREES:	200	THE ST	3118			Re William III	
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				ļ			
SHRUBS:	a tempo	4 8 Me Sic	marketa.	ANSWELL !	A 40 MARCH	Liberal Company	# COL
STRUBS.	E 0 305 /2	Of the etc.	48. Fg (2.5)	5510185	3/11/12/12/	28.78.7018	
				<u> </u>			
				<u> </u>			
			-				
GROUND:	LSC DE CO	THE ST	FIEL A				42.1
CYPERACEAE SP TYPANGU SOUDAIS							
TYPANGU '							
SOUDALIS				ļ			
	<u> </u>						
	\vdash			ļ			
	 						
				-			-
	ļ						

Signature:	Kulhall	
	(Field Personnel)	-

Quality Control: This form is complete ☐ 8 Jegible ☐

Signature:

(Project Manager)

			,w			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				VVIIGIII	e Habitat Assessment Form
ELC Polygon: #77-	S Asse:	ssment Type:	1	/ isual; no	acces	s / 🗆-	-Walk throu	gh feature	•		
Extent of Physical Inv	estigatio	n of Feature:	□-Ei	ntire / 🗆	I-Partia	l, wall	k through p	olygon <i>(in</i>	dicate on map)		
Reptile / Bat Hiber	nacula F		□-Y' [i.e. f bridge Cont □-Y'	*/ □-N / reatures the abutmentains potentials abutmentains potentials abutmentains potentials abutmentains ab	/ ⊠-Unlate would be the world would be the world be the	knowr d provi ilverts bat hil knowr	ide a route un with cracks/c bernacula fe	s (*if yes, nderground, entry points eatures? s (*if yes,	describe in table including buried of	concrete c vices or it	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBERN	NACULA	FEATURE(S)	IDE	NTIFIE	D				,		
UTM			Featı	ure Desc	ription			Photo No	o. Spp. C	bserved	Using Feature
to the total time to					¥	***************************************					
					*************************************	***************************************	***************************************				
								·			
Bat Roosting Feat	ıres:		1/0-	-Unknow	vn, no a	acces	s (*if yes, d		table below) facing cavities ~	·10m hig	jh in tree]
POTENTIAL BAT RO	OSTING	FEATURE(S) IDE	NTIFIE	D						
UTM	Tree ID	Tree Sp	p	DBH	Photo	No.	Decay Cla	ass (1-5)	No. of Cavities	Height	and Type of Cavities
										<u> </u>	
							1	l l			
Stick Nests:			Con	tains lar * / \\\\\\\	ge sticl / 🔲-Un	k nest know	is? n, no acces	ss (*if yes,	describe in tabl	le below	')
STICK NEST(S) IDEN UTM	TIFIED	Tree ID	Т	Two	·		Nost Sine	Dh -4- N	S 4	<u> </u>	J TI-1- W2-4
UTWI		1 ree 1D		1 гее	Spp.		Nest Size	Photo N	o. Spp. C	Joserve	d Using Feature
		***************************************	<u> </u>								
Seeps/Springs/Ver	nal Poo	ls:	Con: □-Y	tains se	eps/spr / □/-Un	rings/	vernal pools	s? ss (*if ves	describe in tabl	le below	<i>(</i>)
SEEP / SPRING / VER	NAL PO	OL FEATURE					.,	, , , , , ,			/
UTM	Fe	eature No. & T	ype	Feature (Diama		Wa	ter Depth	Photo No	Sub/Emerger Spp. Preso	nt Veg. ent?	Shrubs/ Logs at Edge Present?
			-			<u> </u>				#c##**********************************	
SPECIES & HABITAT	r orser	VATIONS (lie	t sne	rios and	type of	obser	vation & in	dicata on I	man)		
SI ECIES & HABITA	OBSER	7A 110113 (113	t spec	cies and	type or	ODSCI	vation & in	dicate on i	пару		
											d.
											13.7
											** .*

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

Stantec	Stantec Con 1 – 70 South Guelph, ON Canada N10 Tel: (519) 830 Fax: (519) 83	gate Driv 3 4P5 5-6050	"Poly 6	Woodla	coadside EL nd & Wildlif sessment F	e Habitat					
Project Number:	16049	026	,9	Project Name:	NRW.C						
Date:	July	27		Field Personnel:	N. Charte	\sim					
leather Conditions:	TEMP (°	C):	WIND:	CLOUD:	PPT:	PPT (in fast 24 hrs):					
				POLYGON DES	CRIPTION	•					
				TOPOGRAPHIC F	EATURE	HISTORY					
ELC COMMUNITY DESCRIPTION &	POLYGON: START TIM END TIME:	<u>δ †</u>	b):55	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAV ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	E □ CULTURAL					
TAND DESCRIF	TION:										
LAYER	нт	CVR		ES IN ORDER OF I		MINANCE BOUT EQUAL TO)					
CANOPY	2	2	LIMNA	,							
! SUB-CANOP	Y 3	3	SAUX								
UNDERSTOR	ΕY										
GRD. LAYER		3	PHAARW	V							
T CODES: VR CODES:)m 4 =1 <ht≤2m <b="">5=0 VR≤25% 3=25<cvr:< td=""><td></td><td></td></cvr:<></ht≤2m>							
TANDING SNAGS	:		<10	10 – 24	25 – 50	>50					
BUNDANCE CODES:		N	I=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT	N/O=Not observed					
TAND MATURITY	PIONEER	₹	YOUNG	MID-AGE	MATURE	OLD GROWTH					
EGETATION TYPI	E will	W	SWT		CODE: SW	T2-2					
CON	COMPLEX CODE:										
ividence of Disturbance / Notes: -not much visible from Rd											
_	MO C IN	PUCK	, , , , , , , , , , , , , , , , , , ,		1 1						

ABUNDANCE CODES; N=NONE R=RARE O=0	OCCASI	ONAL A	=ABUNI	DANT C	=DOMINAN	T N/O=Not	observed
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
REES: A TOTAL AND A STATE OF THE STATE OF TH							
ULMUS AMER	A						
SAUX SP		A		SELECT.			
	Tilleriji sass	お着数をおり	1825/6230-177				
PHAARUN				A			
7							
	<u> </u>				<u> </u>		

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

Signature: /

(Field Personnel)

									4411011	ic Habitat Assessment Form
ELC Polygon: #17-6 A	ssessment Type:	₫-Vis	sual; nc	access	; / 🗀 -	Walk throu	gh feature			
Extent of Physical Investiga	ation of Feature:	□-Enf	tire / 🗆	I-Partial,	, wall	c through p	olygon (ind	dicate on map)		
Reptile / Bat Hibernacu		□-Y*/ [i.e. foabridge Conta □-Y*/	/ D-N / catures the abutment ains pot / D-N /	/ 127-Unki hat would outs or oul- itential ba / 121-Unki	nowr provi verts at hik nowr	ide a route un with cracks/e pernacula fe	s (*if yes, oderground, entry points. eatures? s (*if yes, o	describe in table including buried of	oncrete or i	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBERNACU										
UTM		Featur	re Desc	ription			Photo No	Spp. C	bserved	d Using Feature
									······································	***************************************
							<u> </u>			
Bat Roosting Features:	□-Y* / □-N [i.e. tall tree	ଏ / ଔ-U es with	J <mark>nkno</mark> w h open	wn, no ac surround	ccess	s (*if yes, de	escribe in cm, side-f	table below) acing cavities ~	10m hiç	gh in tre e]
POTENTIAL BAT ROOST	· · · · · · · · · · · · · · · · · · ·				NI _O	Decay Ch	(1.5)	No of Conition	1 Taiob	4 4 Tr 6 Cavidia
UTM Tre	ee ID Tree Sp	р.	DBH	Photo !	No.	Decay Cla	ISS (1-5)	No. of Cavities	Heigh	t and Type of Cavities
									-	
Ottole Monto		Contr	nino los	atiok		-2				
Stick Nests:	ET ET	U-Y*	/ Q-N	rge ≴tick / ⊠-Unk	nesi	n, no acces	s (*if yes,	describe in tabl	e belov	<i>y</i>)
STICK NEST(S) IDENTIFI UTM	Tree ID	T	Tros	Spp.		Nest Size	Photo No	Snn (Shaamua	J William Frankrick
O I IVI	HICCID		1100	Spp.		Mest Size	FIIOLUTA	յ. օրբ. c)DSer ve	d Using Feature
		†								
								4		
Seeps/Springs/Vernal F	ools:	Conta	ains se	eps/spri	ings/\	vernal pools	s?	describe in tabl	le helov	v)
SEEP / SPRING / VERNAL	POOL FEATURI				11011.	1, 110 00000	13 (11) 00,	describe in tab.	C DOIGH	')
UTM	Feature No. & T		Feature (Diame	e Size	Wa	ter Depth	Photo No	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
			***************************************					_	·····	
		=3:							·····	
SPECIES & HABITAT OBS	ERVATIONS (IIS	t speci	es and	type of o	bser	vation & inc	dicate on n	nap)		
										*1
										(
										# a a a a a
										1. 8
										Par Training

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

B	Stantec Con 1 – 70 South Gueiph, ON Canada N10 Tel: (519) 83 Fax: (519) 83	gate Driv 3 4P5 3-6050		′ R Woodlar	oadside ELC nd & Wildlife sessment Fo	Habitat					
Project Number:	1609	502	-69	Project Name:	NRWC.						
Date:	Tuly	27		Field Personnel:	NCharl	<i></i>					
Veather Conditions:	TEMP (° 25	C):	3 3	CLOUD: SØ	PPT:	PPT (in ląst 24 hrs):					
				POLYGON DES	CRIPTION						
TOPOGRAPHIC FEATURE HISTORY POLYGON: 0 DI ACUSTRINE DI TALUS ENATURAL											
ELC COMMUNITY DESCRIPTION & CLASSIFICATION POLYGON: 77											
TAND DESCRIP	TION:										
LAYER	нт	CVR	(>>MUCH GREA	TER THAN; >GRE	ECREASING DOMI ATER THAN; = AB(OUT EQUAL TO)					
1 CANOPY	2	4	ALEFREE	>ULMAM	LER JACES	ASA					
2 SUB-CANOPY	3	3			A = ACEFRE						
3 UNDERSTORE	Υ			•							
# GRD. LAYER	-										
VR CODES:	1=>25m 0=NONE				5 <ht≤1m <b="">6=0.2<ht≤0 60% 4=CVR>60% N/</ht≤0 </ht≤1m>						
TANDING SNAGS:	N/0			10 24	29 - 50	>50					
BUNDANCE CODES:		N	I=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N/	D=Not observed					
TAND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH					
deciduous forest of swamp CODE: FOD/SWD											

- interior not visible, only edge

CODE:

COMPLEX

ividence 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 DISTANCE FROM RD. LAYER SPECIES CODE ≤5 m >5 m TREES: UGLANS NIGRA A 0 0 GROUND: SOLIDAGO BROININ

Signature:	Mull	Ma	to
-	/	(Field Pe	sonnel)

Quality Control:This form is complete 🗆 & legible 🗅.

Signature: (Project Manager)

Reptile / Bat Hibernacula Features: Contains potential reptile hibernacula features? Potential Po	ELC Polygon: # \$7-	Asses	sment Type: 🗹-	Visual; no	access /	□ -V	Valk through	gh feature			
Contains potential bat roosting features? Contains seeps potential bat roosting features? Contains seeps potential bat roosting features Contains seeps stok nests? Contains seeps sto	Extent of Physical Inv	- estigation	of Feature: □-	Entire / □	I-Partial, v	valk	through po	olygon <i>(inc</i>	dicate on map)		
POTENTIAL HIBERNACULA FEATURE(S) IDENTIFIED Photo No. Spp. Observed Using Feature	Reptile / Bat Hiber	nacula Fo		Y* / □-N . features the fige abutmountains po Y* / □-N	/ ☑-Unknothat would pents or culvettential bat	own, rovidents with hibe hibe own,	no access c a route un ith cracks/e ernacula fe no access	s (*if yes, oderground, ontry points, eatures? s (*if yes, o	describe in table including buried of exposed rock cre-	oncrete lices or i	or rock (e.g. foundations, nactive animal burrows)]
Bat Roosting Features: Contains potential bat roosting features?	POTENTIAL HIBER	NACULA E				12161(711	ica mines of	caves			
Contains large stick nests? Contains large stick nests? Contains seeps/springs/vernal pools: Contains seeps/springs/vernal pools? Contains seeps/springs/vernal pool	UTM		Fea	ture Desc	cription			Photo No	. Spp. C	bserve	l Using Feature
Contains large stick nests? Contains large stick nests? Contains seeps/springs/vernal pools: Contains seeps/springs/vernal pools? Contains seeps/springs/vernal pool			······								
Contains large stick nests? Contains large stick nests? Contains seeps/springs/vernal pools: Contains seeps/springs/vernal pools? Contains seeps/springs/vernal pool			······································								
Stick Nests: Contains large stick nests? Y*/N/D-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? Y*/N/D-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?			[i.e. tall trees v	Y-Unkno v vith open	vn, no acc surroundi	ess	(*if yes, de	e <i>scribe in</i> cm, side-fa	table below) acing cavities ~	10m hiç	gh in tre e]
Stick Nests: Contains large stick nests?		1	1		1	0.	Decay Cla	iss (1-5)	No. of Cavities	Heigh	t 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?											
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>			i.						
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 Nests:		Co	ontains la⊪ Y* / ロ-N	rge stick n / ⊡ -∕Unkn	ests' own.	? . no acces	s (*if ves.	describe in tabl	e belov	v)
Seeps/Springs/Vernal Pools: Contains seeps/springs/vernal pools? Y* / -N / -	STICK NEST(S) IDE	TIFIED					, , , , , , , , , , , , , , , , , , , ,	- (<i>y</i> ,			<u>, </u>
SEEP / SPRING / VERNAL POOL FEATURE(S) IDENTIFIED UTM Feature No. & Type (Diameter) Water Depth Photo No. Sub/Emergent Veg. Shrubs/ Logs at Edge (Diameter) Photo No. Spp. Present? Present?	UTM		Tree ID	Tree	Spp.		Nest Size	Photo No	o. Spp. 0	Observe	d Using Feature
SEEP / SPRING / VERNAL POOL FEATURE(S) IDENTIFIED UTM Feature No. & Type (Diameter) Water Depth Photo No. Sub/Emergent Veg. Shrubs/ Logs at Edge (Diameter) Photo No. Spp. Present? Present?						-					
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? Present?		·									
UTM Feature No. & Type (Diameter) Water Depth Photo No. Sub/Emergent Veg. Shrubs/ Logs at Edge Present?	Seeps/Springs/Ver	rnal Pool	s: Co						describe in tabl	e belov	<i>(</i>)
(Diameter) Water Depth Photo No. Spp. Present? Present?	SEEP / SPRING / VEI	RNAL POO	L FEATURE(S)	1					0.1/5		la
SPECIES & HABITAT OBSERVATIONS (list species and type of observation & indicate on map)	UTM	Fea	ture No. & Type		1	Wate	er Depth	Photo No			
SPECIES & HABITAT OBSERVATIONS (list species and type of observation & indicate on map)			**************************************				***************************************				
SPECIES & HABITAT OBSERVATIONS (list species and type of observation & indicate on map)											
	SPECIES & HABITA	T OBSERV	ATIONS (list sp	ecies and	type of ob	serva	ation & inc	dicate on n	пар)		
											2
											- 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

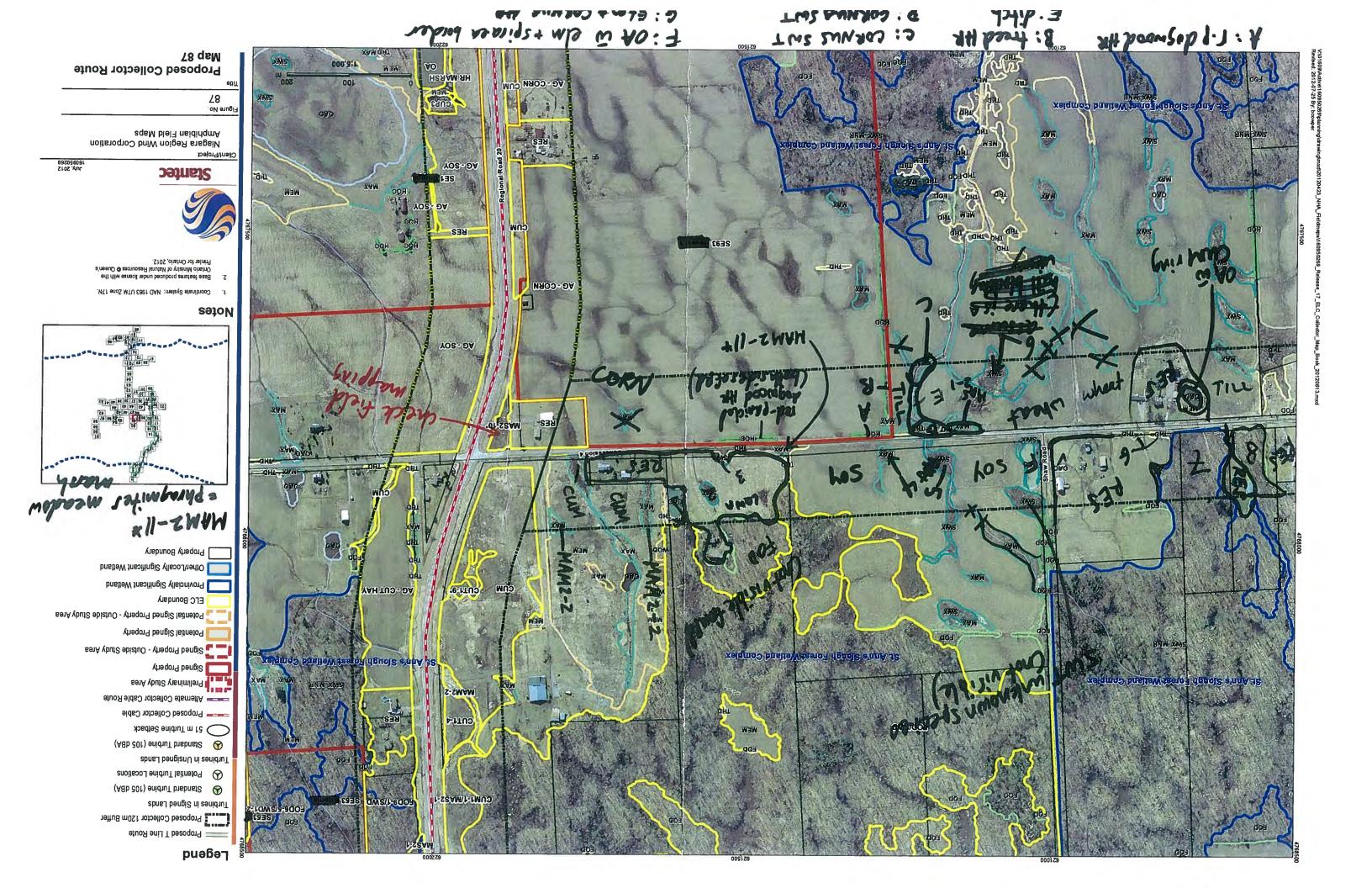
COMMUNITY ST	TEMP (°C 2.5 COLYGON:	87	wind: 3	Project Name Field Personnel CLOUD: POLYGON DES TOPOGRAPHIC I LACUSTRINE RIVERINE	PPT	PPT (in last 24 hrs): WM HISTORY
ELC COMMUNITY DESCRIPTION &	25 OLYGON:	87	wind: 3	CLOUD: SO POLYGON DES TOPOGRAPHIC LACUSTRINE	PPT: SCRIPTION FEATURE	HISTORY
ELC ST COMMUNITY DESCRIPTION &	25 OLYGON:	87	WIND: 3	POLYGON DES	SCRIPTION FEATURE	HISTORY
COMMUNITY DESCRIPTION &	TART TIME	87	-8	TOPOGRAPHIC I	FEATURE	
COMMUNITY DESCRIPTION &	TART TIME	87	-8	LACUSTRINE		
COMMUNITY DESCRIPTION &	TART TIME	87	-8		☐ TALUS	CINATUDAL
EUN ERREITE BERTEN BAN		: [1	115	□ RIVERINE □ BOTTOMLAND □ TERRACE □ VALLEY SLOPE □ TABLELAND ②**ROLL, UPLAND □ CLIFF	☐ CREVICE / CAVI ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	
TAND DESCRIPTI			SPF	CIES IN ORDER OF	DECREASING DO	MINANCE
LAYER	HT	CVR	(>>MUCH GF	REATER THAN; >GRI		
I CANOPY	2	3		AND THE STATE OF T	>ALESASI	4
SUB-CANOPY	_ 3	2	ALESAS	A		
GRD. LAYER	12	1/	011 110	000		
T CODES: VR CODES:				≤10m 4=1 <ht≤2m 5="0<br">><cvr≤25% 3="25<CVR</td"><td></td><td></td></cvr≤25%></ht≤2m>		
TANDING SNAGS:/	W		√ <10	R 10-24	25 - 50	>50
BUNDANCE CODES:	,	N	=NONE R=RA	RE 0=OCCASIONAL	A=ABUNDANT	N/O=Not observed
TAND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH
'EGETATION TYPE: √	ed dec	idw	ous cult	wal worder	CODE: CUN	11-3*
COMPL	LEX				CODE:	
vidence of Distur	rbance / N	otes:	-ma + 401	ound mo	wed Im	aintaine

LAYERS: 1=CANOPY >10m 2=SUB-CANO ABUNDANCE CODES: N=NONE R=RARE 0=	OCCASI	ONAL A	-ABUN	EY 4	=GROUND (=DOMINAN	T N/O=Not	R observed
SPECIES CODE	1	LA'	YER 3	4	DISTANCE ≤5 m	FROM RD.	COLL.
TREES:	88.56					20111	ENERGY.
QUEMACE	0	200 00000			U		
ACESASA	Q.				V		
ULMAMER	12						
FRAX SP	14,				レ		
QUEMACR ACESASA ULMAMER FRAX SP QUERUBR	R						
SHRUBS:	13/3/1	21511	it ki) B/E%	154-28-41		
NONE							
GROUND: 800 - 3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		#EWors	aria si	19.462.0			
DAUCARO Cut gras				R	V	7	
CH GIRES				H			
				+			

Signature:	iu	Charl	his form is complete a & legible a.
7.1		(Field Personnel)	 (Project Manager)

ELC Polygon: #87-	Asse	ssment Type:	⊠ -∨	isual; no	acces	s / 🔾	-Walk throu	gh feature	9			
Extent of Physical Inv	– vestigatio	n of Feature:	Q -E	ntire / 🗆	I-Partial	, wal	k through p	olygon <i>(in</i>	dic	ate on map)		
Reptile / Bat Hiber	nacula I		□-Y [i.e. t bridg Cont □-Y	* / □-N / reatures the abutme tains / por * / ☑-N /	/ \subsection \text{\omega} Unletended on the cultical but the control of t	knowi I prov Iverts pat hil knowi	ide a route ui with eracks/d bernacula f	s (*if yes, nderground, entry points eatures? is (*if yes,	des inc , ex	scribe in table luding buried c posed rock crev scribe in table	onerete o ices or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBER	NACULA								-			
UTM			Feat	ure Desc	ription			Photo No	D.	Spp. O	bserved	Using Feature
Bat Roosting Feat			/ 12 1- s wit	-Unknov th open	vn, no a surrour	cces	s (*if yes, d	escribe in cm, side-	<i>tat</i> faci	ble below) ing cavities ~	10m hiç	gh in tree]
POTENTIAL BAT RO	Tree II			DBH	D Photo	No	Decay Cl	ass (I_5)	No	o. of Cavities	Heigh	and Type of Cavities
01111	I I I CC I L	J Tree Sp	J.	DUI	I HOLO	110.	Decay Ci	ass (1- <i>3)</i>	140	J. OI CAVILIES	Heigh	and Type of Cavities
								100000000000000000000000000000000000000				
Stick Nests:			Con	tains lar '* / ロ-N	ge stick / ☑ -Unl	nes know	ts? n, no acces	ss (*if yes,	de	escribe in tabl	e below)
STICK NEST(S) IDE	NTIFIED	TO ID			-		N . CI	T	. 1			
UTM		Tree ID		1 ree	Spp.		Nest Size	Photo N	0.	Spp. C	bserve	d Using Feature
											-	
Seeps/Springs/Ve			□-Y	*/ 🛛 - N	/ Ϣ /-Unl	ings/ know	vernal pool n, no acces	s? ss (*if yes,	de	scribe in tabl	e below	<i>'</i>)
SEEP / SPRING / VEI UTM		OL FEATURE eature No. & Ty		DENTII Feature (Diame	Size	Wa	ter Depth	Photo No	0.	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
									1		·····	
SPECIES & HABITA	T OBSER	VATIONS (list	spec	cies and	type of	obser	vation & in	dicate on	mai	<i>(a</i>		
		(100	P		·) po v.	0.000				<i>y</i>)		
												4.

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



099Active11609502599Janning\drawing\mxd\Z0120423_NHA_Fieldmaps\160950269_Release_17_ELC_Collector_Map_Book_20120613.mxd st. 2012:06.14 Bit browner

Roadside ELC,

Weather Conditions: Project Number: Stantec Date Stantec Consulting Ltd. Coll. Tile 8; I 1 – 70 Southgate Drive Guelph, ON Canada NIG 4P5 Tel (519) 836-8050 Fax (519) 836-2493 As 26 June TEMP (°C) 609502 2012 light Poly 8-1 Woodland & Wildlife Habitat 60 WIND Field Personnel. Project Name: NRWC CLOUD **Assessment Form** A. Ducharne PPT ELC PPT (in last 24 hrs)

POLYGON DESCRIPTION

CLASSIFICATION END TIME:	COMMUNITY		III C			
13:00	10:20	START TIME:		<i>f</i> 1	POLYGON:	
D CLIFF	D VALLEY SLOPE	TERRACE	BOTTOMLAND	RIVERINE	LACUSTRINE	TOPOGRAPHIC FEATURE
D BLUFF	BEACH / BAR		ALVAR	CREVICE / CAVE	D TALUS	EATURE
			13COLTURAL		□ NATURAL	HISTORY

S

STAND DESCRIPTION:

	CODE:				.EX	COMPLEX	
CUM 1-1	Culture 1 Neadow - Old Field CODE:	Mandow.	- June 1		Minural	VEGETATION TYPE:	I S
MATURE OLD GROWTH	MID-AGE MA"	iG	YOUNG		PIONEER	STAND MATURITY:	S
A=ABUNDANT N/O=Not observed	N=NONE R=RARE O=OCCASIONAL A=ABL	R=RARE (N=NONE			ABUNDANCE CODES:	AB
25 – 50 N >50	10-24	<10 <	P			STANDING SNAGS:	EST
0=NONE 1=0% <cvr≤10% 2="10<CVR≤25%" 3="25<CVR≤60%" 4="CVR">60% N/O=not observed</cvr≤10%>	:25% 3=25 <cvr≤60% 4="</td"><td>% 2=10<cvrs< td=""><td>6<cvr≤10< td=""><td>1=0%</td><td>0=NONE</td><td>CVR CODES:</td><td>5</td></cvr≤10<></td></cvrs<></td></cvr≤60%>	% 2=10 <cvrs< td=""><td>6<cvr≤10< td=""><td>1=0%</td><td>0=NONE</td><td>CVR CODES:</td><td>5</td></cvr≤10<></td></cvrs<>	6 <cvr≤10< td=""><td>1=0%</td><td>0=NONE</td><td>CVR CODES:</td><td>5</td></cvr≤10<>	1=0%	0=NONE	CVR CODES:	5
1=>25m	4=1 <ht<2m 5="0.5<HT<1n</td"><td>3=2<ht≤10m< td=""><td>HT≤25m</td><td>2=10</td><td>1=>25m</td><td>HT CODES:</td><td>H</td></ht≤10m<></td></ht<2m>	3=2 <ht≤10m< td=""><td>HT≤25m</td><td>2=10</td><td>1=>25m</td><td>HT CODES:</td><td>H</td></ht≤10m<>	HT≤25m	2=10	1=>25m	HT CODES:	H
SOLCANA	> TYPANGU	LCANA)	\bigcirc	7	6-7	GRD. LAYER	4
Q .	A> TYPANG	A CON	7	_	S-H	UNDERSTOREY	ယ
ACC>PICHAN	SALNIGR FAGGRAN > PFSACC > P	CN 6R	SA	_	3	SUB-CANOPY	2
				1	1	CANOPY	-
SPECIES IN ORDER OF DECREASING DOMINANCE (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO)	SPECIES IN ORDER OF DECREASING DOMINANCE H GREATER THAN; = ABOUT EQ	SPECIES I		CVR	нт	LAYER	
					CI¥.	STAND DESCRIPTION.	9

0

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 obsi

ABUNDANCE CODES: N=NONE R=RARE O	=OCCAS	ONAL A	-ABUN	DANT D	DOMINAN	N/O=Not o	bserved
COLL COLL		5	LAYER		DISTANCE	FROM RD.	0
O n n o	_	N	cu	4	25 m	>5 m	17. 40
SACNIGR	J	0	Z	2			
O 1	1	0	Z	Σ.			
5	}	70	ح	Ž			
PCGCAU	1	70,	Z	Z			
HRUBS:		2	0	2			
	\dagger						
SROUND:	No.						
CALCANA		- 2	V	V			
ASC SYR!	1	ZZ	22	00			
SOCCANA	11	2.7	DZ	DC			
	Ì						

Signature:

(Field Personnel)

Quality Control This form is complete 2 legible 2

Signature:

(Project Manager)

ELC Polygon: # 8 -	7	ment Type: 🗹-									
Extent of Physical Inv	estigation	of Feature: Q-	Entire / 🗆	I-Partial, v	walk	through p	olygon <i>(ir</i>	ndicate on m	ар)		
Reptile / Bat Hiber	nacula Fe	□- [i.e brù Co □-	Y* / ☑-N . features to dge abutmo ntains po Y* / ☑-N	/ Q-Unknihat would pents or culve tents or culve tential bat / Q-Unkni	own providents v t hib own	de a route un with eracks/ ernacula f	s (*if yes, nderground entry points eatures? s (*if yes,	describe in , including bu	ried e k crev	onercte ices or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBERN	NACULA F				(III(I	net mines (o caves ₁		·····		
UTM		Fea	ature Desc	cription			Photo N	o. S _l	op. O	bserve	l Using Feature
				······································							
Bat Roosting Feat		Contains pote -Y*/-Y-N/C [i.e. tall trees v	I-Unkno v with open	wn, no acc surround	cess	(*if yes, d	lescribe in icm, side-	table below facing cavití	/) es ~′	10m híç	gh in tree]
UTM	Tree ID	Tree Spp.	DBH	Photo N	0.	Decay Cl	ass (1-5)	No. of Cavi	ities	Heigh	t and Type of Cavities
Stick Nests:		· · · · · · · · · · · · · · · · · · ·	ntaine la	rae etick n	octo	~2					
			-Y* / ☑-N	rge stick n / □-Unkn	own	, no acces	ss (*if yes,	describe in	table	e below	<i>ı</i>)
STICK NEST(S) IDEN		T		-	Т						
UTM		Tree ID	1 ree	Spp.		Nest Size	Photo N	10. S	pp. O	bserve	d Using Feature
Seeps/Springs/Ver			Y* / 🖭 - N	/ Q-Unkn	gs/v own	ernal pool	s? ss (*if yes,	describe in	table	e below	·)
SEEP / SPRING / VER	NAL POO	L FEATURE(S)	IDENTI	Simo				Cook //Cook		4 \$7	CL L/I AFI
UTM	Feat	ure No. & Type	(Diam	1 1	Wat	er Depth	Photo No	Sub/Emo Spp. I			Shrubs/ Logs at Edge Present?
					***************************************				Tee (mission)		
SPECIES & HABITAT	OBSERV.	ATIONS (list sp	ecies and	type of ob	serv	ation & in	dicate on 1	map)			
											. 1
											*
											*# e
CA=carcass: DP=distincti	ve parts: FE	leeding evidence	: FY=eggs/	/nest; 110=1	10056	e/den; OB≕o	bserved: St	C=scat: St=off	ter si	m: TK=	track: VO=vocalization

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Stantec

Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 6-2493

Stantec Consulting Ltd. Coll. Tile 8; Roadside ELC,

Woodland & Wildlife Habitat **Assessment Form**

Stantec	Fax: (519) 83

Project Number: 1609 50269 NRWC ELC Project Name: 2012 . Ducharme Field Personnel:

Weather	Condi	tions:	
			_

TEMP (°C): WIND: CLOUD: PPT: PPT (in last 24 hrs). light

POLYGON DESCRIPTION

	TOPOGRAPHIC FEATURE	HISTORY
POLYGON: 8-2 COMMUNITY DESCRIPTION & END TIME: 13:30	□ LACUSTRINE □ TALUS □ RIVERINE □ CREVICE / CAVE □ BOTTOMLAND □ TERRACE □ ROCKLAND □ VALLEY SLOPE □ BEACH / BAR □ TÂBLELAND □ SAND DUNE □ CLIFF	E-MATURAL ☐ CULTURAL

STAND DESCRIPTION:

	LAYER	нт	CVR	1		IN ORDER OF ER THAN; >GF				
1	CANOPY	2	2	SALI	X SP.	7 SA	LNI	5R		
2	SUB-CANOPY	3	2	SALI	X Se.	= SALN	16R	>Qui	EM.	ACK
3	UNDERSTOREY	4-5	4	TYPF	N64	7 CALC	ANI	4>50c	CAN	SA
4	GRD. LAYER	Ç-7	3	TYPE	NOU4	> CALC	ANA	> AL	IPL	AN
	CODES: R CODES:	1=>25m 0=NONE		HT≤25m 3= <cvr≤10%< th=""><th></th><th>4=1<hts2m 5:<br="">525% 3=25<cv< th=""><th></th><th></th><th></th><th></th></cv<></hts2m></th></cvr≤10%<>		4=1 <hts2m 5:<br="">525% 3=25<cv< th=""><th></th><th></th><th></th><th></th></cv<></hts2m>				
ST	ANDING SNAGS:			O <1	1 0	10-24	N	25 – 50	N	>50
ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT N/O=Not observed										
ST	AND MATURITY:	PIONEER	₹	YOUNG		MID-AGE	1	MATURE		OLD GROWTH
VE	GETATION TYPE:	atta	0 6	ganic	Shall	cw Mars	COD	E: MA	S 3	?-1

Evidence of Disturbance / Notes:

COMPLEX

Frages present in wetland (river not moving)

CODE:

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

ABUNDANCE CODES: N=NONE R=RARE O=	OCCASIO	DNAL A	YER	DANIE	DISTANCE	FROM RD.	COLL
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL
TREES:			•				
SALNIGR	A	A	0	Ŋ	A	A	
SALIX SP. QUEMACR	12	AR	8	3	A	R	
DUEMACK	2	K		10			
SHRUBS:	1.00	de la					urt -
GROUND		T S (E)					
T/PANGU ALI PLAN	2	72	8	AC	A	A	
PARQUIN SOL CANA CALCANA	N	N	0	8	A	Ö	
SOL CANA	N	N	0	0		73	
CALCANA	17	2	A	A	D.	138	

Signature:	An	12
	/	(Field Demonnel)

Quality Control This for	orm isocomplete 🗆 & legible 🗅.
Signature:	1
	(Project Manager)

ELC Polygon: # %_	2 Assess	ment Type: ☑-√	/isual; no	access / (⊒-Walk throւ	igh feature		· · · · · · · · · · · · · · · · · · ·	
Extent of Physical In	vestigation	of Feature: □-E	Entire / □	l-Partial, wa	alk through p	oolygon <i>(inc</i>	dicate on map)		
Reptile / Bat Hiber	rnacula Fe	□-Y [i.e. brid _t Cor □-Y	/* / □-N . features the ge abutmentains po /* / □-N .	/ □-Unknot nat would prouts or culver tential bat I / □-Unknot	wide a route u ts with eracks/ nibernacula f	ss (*if yes, onderground, contry points, features? ss (*if yes, o	describe in tabli including buried o	concrete vices or	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBER	NACULA F	EATURE(S) IDE	ENTIFIE	D					
UTM		Feat	ture Desc	ription		Photo No	. Spp. C	bserve	d Using Feature
		***************************************			······································				
						1			
Bat Roosting Feat	tures:	Contains poten □-Y* / □-N / □ [i.e. tall trees w	I-Unknov	vn, no acce	ess (*if yes, c	<i>lescribe in</i> 5cm, side-f	table below) acing cavities ~	10m hi	gh in tree]
POTENTIAL BAT R	OOSTING F	EATURE(S) ID	ENTIFIE	D					
UTM	Tree ID	Tree Spp.	DBH	Photo No	. Decay Cl	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
							2		
	1		1					<u> </u>	
Stick Nests:		Cor	ntains la	ge stick ne	sts?	00 /*if u00	describe in tabi	la halau	l
STICK NEST(S) IDE	NTIFIED		1 / 02-14	/ U-Officio	WII, IIO acce	55 (II yes,	describe in tabl	e belov	<u> </u>
UTM		Tree ID	Tree	Spp.	Nest Size	Photo No	Spp. 6	Observe	d Using Feature
				·····					
			·						
Seeps/Springs/Ve		Q-\	Y* / @-N	/ □-Unkno	s/vernal pool wn, no acce	ls? ss (*if yes,	describe in tabl	e belov	<i>y</i>)
SEEP / SPRING / VE	RNAL POO	L FEATURE(S)				Υ			
UTM	Feat	ture No. & Type	Feature (Diam		ater Depth	Photo No.	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
,									<u></u>
				2	7 ;				
SPECIES & HABITA	TOPEEDV	ATIONS (III)			4: 0 :	3: -4-	>		
SPECIES & HABITA	I OBSERV	ATTONS (list spe	ecies and	type of obs	ervation & in	oicate on n	іар)		
									* #
					i sa n				
					190				

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 Consulting Ltd. Coll Tile 8; Roadside ELC, 1-70 Southgate Drive Guelph, ON Canada N1G 4P5 Poly 8-3 Woodland & Wildlife Habitat	LAYERS: 1=CANOPY >10m 2=SUB-CANO ABUNDANCE CODES: N=NONE R=RARE 0=	OCCASI		YER	4=GROUND (GRD.) LAYER D=DOMINANT N/O=Not obs			
Tel: (519) 836-6050 Fax: (519) 836-2493 Assessment Form	SPECIES CODE	1	2	3	4	≤5 m	>5 m	1
Stantec	TREES:			建设				100
Project Number: 160950269 Project Name: NRWC ELC	SALNIGR	A.	A	0	N	8	N/0	
Date: 26 June 2612 Field Personnel: A. Ducharme	FAGGRAN	0	0	12	12		. 1	
	FRAAMER	N	R	N	10	R		
Weather Conditions: TEMP (°C): WIND: CLOUD: PPT: PPT (in last 24 hrs):	TLAMER	13	R	N	N.	P		ŀ
POLYGON DESCRIPTION /	QUEALBA	D	D	R	N	D		L
TOPOGRAPHIC FEATURE HISTORY	SALIX Sp.	0	0	1 U	12	0	V	L
POLYGON: LACUSTRINE TALUS	- /				ļ			L
BOTTOMLAND DALVAR DCULTURAL		-	ļ		ļ			L
COMMUNITY START TIME: 3-30 DITERRACE DIROCKLAND DVALLEY SLOPE DBEACH / BAR		-		ļ	-			L
DESCRIPTION & END TIME.			ļ	-				Ł
CLASSIFICATION GOOD ROLL UPLAND BLUFF		L 005 062 1955	5735450	1 17712	MCC time?	1302010 28 L	18868 1 Jan 20	ŀ
	SHRUBS:		126.001		SS Experience	2001320	\$11 - 1995 II	F
STAND DESCRIPTION:	CRASNCC	N	0		N	0	NO	╀
LAYER HT CVR SPECIES IN ORDER OF DECREASING DOMINANCE (>>MUCH GREATER THAN; > GREATER THAN; = ABOUT EQUAL TO)					<u> </u>			Ͱ
1 CANOPY 2 4 QUEALBAS SALNIGE SFAGGEAN		 					-	H
2 SUB-CANOPY 3 3 QUEALBAY SALNIGR > FAGGRAN		1	ļ					┝
3 UNDERSTOREY 4-5 2 SOLCANA SOON Med Grass				 				H
4 GRD. LAYER G-7 4 SOLCAND & GCGSSES		-					 	H
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</td"><td>-</td><td> </td><td></td><td></td><td></td><td></td><td></td><td>H</td></ht<25m>	-	 						H
CVR CODES: 0=NONE 1=0% <cvr≤10% 2="10<CVR≤25%" 3="25<CVR≤60%" 4="CVR">60% N/O=not observed</cvr≤10%>		1		<u> </u>				H
STANDING SNAGS: ○ <10							-	r
ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT N/O=Not observed								r
STAND MATURITY: PIONEER YOUNG MID-AGE MATURE OLD GROWTH								
VEGETATION TYPE: Fresh-Moist Oak Deciduous Forot CODE: FOD (93)	GROUND:	1 3 7 2	1	She i	是多門	* * 15 b		L
	SOUCANA	N	Ŋ	D	D	D	NIO	L
COMPLEX CODE:	CALCANA	N	N	A	A	A		L
Evidence of Disturbance / Notes:	grass Sp.	N	N	A	A	A	V	L
Endones of Distainance (Notes,	7	1						L
		 		ļ				L
		ļ		ļ				L
	1	1	1	1	I .	1	1 '	1

ABUNDANCE CODES: N=NONE R=RARE O=0	JCCASIC		ER	JANI L	DISTANCE	COLL.	
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
TREES:			網報			THE STATE	
SALNIGR FAGGRAN FRAAMER TILAMER	A.	A	0	N	8	N/O	
EAGGRAN	0	0 2	2	N	0		ļ
FRAAMER	N	R	Ń	Ŋ	R		
TILAMER	N	K	<u>N</u>	N	P		
2100			()			1 /	ļ
QUEALBA	D	D	B	7	0	$+$ \forall -	
SALIX Sp.	0	S		\sim			
						1	
SHRUBS:						第二级	i de
CRASNIC	N	0	\circ	N	0	NO	
						ļ	
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GROUND:	CONTRACT.			発生の	4. 大作品		想中
SOUCANA	N	2	D	D	D	NIO	
CALCANA	N	N	A	A	A	1	
SOLCANA CALCANA grass Sp.	N	N	A	14	A	V	
7							
P							
							

Signature:	A: Z	Signature:
	(Field Personnel)	(Project Manager)

ELC Polygon: #\\\	Assess	ment Type: 🖸	⊒-Visual; no	o access / C	⊒-Walk thro∪	igh feature	9			
Extent of Physical Inv	_	of Feature:	J-Entire / □	I-Partial, wa	ılk through p	olygon <i>(in</i>	dicate on map)			
Reptile / Bat Hiber		[i	☐-Y* / ☑-N / i.e. features the oridge abutme Contains por ☐-Y* / ☑-N / i.e. karst topo	/ D-Unknow hat would protents or culverte whential bat he workential bat he workenti	wide a route ur s with cracks/o i bernacula f o	ss (*if yes, nderground, entry points eatures? ss (*if yes,	describe in table including buried of	concrete o vices or i	or rock (e.g. foundations, inactive animal burrows)]	
UTM	TENTIAL HIBERNACULA FEATURE(S) IDENTIFIED UTM Feature Description Photo No. Spp. Observed Using Feature						I Using Feature			
		-	***************************************							
Bat Roosting Feat		[i.e. tall trees	/ □-Unknov s with open	wn, no acces surrounding	ss (*if yes, d		<i>table below)</i> facing cavities ~	·10m hiç	gh in tree]	
POTENTIAL BAT RO	Tree ID	Tree Spp.		ED Photo No.	Decay Cl	nee (1-5)	No. of Cavities	Haigh	t and Type of Cavities	
URITE	HICH	TICC Spp.	1/1/11	I HOLO ING.	Decay Ci	HSS (1-2)	IVO. UI CAYIUES	Heigh	t and Type of Cavities	
			To Page 1 and 1 an						-	
Stick Nests:		· ; [Contains lar □-Y* / ⊡-N	rge stick nes / □-Unknov	sts? wn, no acces	ss (*if yes,	describe in tabl	le below	1)	
STICK NEST(S) IDEN		Tree ID	Tree	e Spp.	Nest Size	Photo N	Spp. (Obsarva	d Using Feature	
OTH		II CC ID	1100	; opp.	14621 2126	FIIOIO	0. app. c	Justi vei	d Using Feature	
Seeps/Springs/Ve	rnal Pools	i: C			s/vernal pool wn, no acces		describe in tabl	le below	<i>'</i>)	
SEEP / SPRING / VEI	RNAL POO		(S) IDENTII	FIED		1				
UTM	Feat	ture No. & Typ	pe Feature (Diam	1 100	ater Depth	Photo No	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?	
								habitania siras sacrata		
SPECIES & HABITA	T OBSERVA	ATIONS (list:	species and	type of obse	rvation & in	dicate on r	nap)			
									- 3	
									3.6	
									4.1	

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

POLYGON DESCRIPTION TOPOGRAPHIC FEATURE HIS LACUSTRINE RIVERINE BOTTOMLAND CREVICE / CAVE BOTTOMLAND TERRACE DALVAR ROCKLAND DALVAR DALVAR DALVAR ROCKLAND DALVAR ROCKLAND DALVAR ROCKLAND DALVAR ROCKLAND DALVAR ROCKLAND DALVAR DALVAR ROCKLAND DALVAR ROCKLAND DALVAR ROCKLAND DALVAR ROCKLAND DALVAR ROCKLAND DALVAR DALVAR DALVAR ROCKLAND DALVAR DALVAR DALVAR ROCKLAND DALVAR DALVAR DALVAR ROCKLAND DALVAR DALVAR DALV		Stantec Consulting 1 – 70 Southgate Dru Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493	toly 8-	4 Woodla	coadside ELC nd & Wildlife sessment Fo	Habitat
POLYGON DESCRIPTION TEMP (°C): WIND: CLOUD: PPT: PPT: PPT: PPT: PPT: PPT: PPT: PP	Project Number:	1609507	269	Project Name:	NRWC EU	C
POLYGON DESCRIPTION TOPOGRAPHIC FEATURE HIS LACUSTRINE RIVERINE BOTTOMLAND CREVICE / CAVE BOTTOMLAND TERRACE DALVAR ROCKLAND DALVAR DALVAR DALVAR ROCKLAND DALVAR ROCKLAND DALVAR ROCKLAND DALVAR ROCKLAND DALVAR ROCKLAND DALVAR DALVAR ROCKLAND DALVAR ROCKLAND DALVAR ROCKLAND DALVAR ROCKLAND DALVAR ROCKLAND DALVAR DALVAR DALVAR ROCKLAND DALVAR DALVAR DALVAR ROCKLAND DALVAR DALVAR DALVAR ROCKLAND DALVAR DALVAR DALV	Date:		•	Field Personnel:		
TOPOGRAPHIC FEATURE HIS	eather Conditions:	. ,		CLOUD	PPT;	PPT (in last 24
POLYGON: COMMUNITY DESCRIPTION & CLASSIFICATION POLYGON: COMMUNITY DESCRIPTION & CLASSIFICATION POLYGON: CLACUSTRINE CREVICE / CAVE DESCRIPTION & CLASSIFICATION CLACUSTRINE CREVICE / CAVE DESCRIPTION CREVICE / CAVE DESC				POLYGON DES	CRIPTION	
COMMUNITY DESCRIPTION: STAND DESCRIPTION: COMMUNITY DESCRIPTION: CLASSIFICATION CLASSIFICATION CREVICE / CAVE DATUMAND DESCRIPTION:						
STAND DESCRIPTION:		14		TOPOGRAPHIC F	EATURE	HISTORY
SPECIES IN ORDER OF DECREASING DOMINAN	ELC S COMMUNITY DESCRIPTION &	TART TIME:		☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE	O NATURAL
LAYER HT CVR (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT	ELC S COMMUNITY DESCRIPTION & E LASSIFICATION	TART TIME:		☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE	
1 CANOPY	ELC S COMMUNITY DESCRIPTION & E LASSIFICATION	TART TIME:	4:00 SPEC	□ LACUSTRINE □ RIVERINE □ BOTTOMLAND □ TERRACE □ VALLEY SLOPE □ TABLELAND □ ROLL. UPLAND □ CLIFF	□ TALUS □ CREVICE / CAVE □ ALVAR □ ROCKLAND □ BEACH / BAR □ SAND DUNE □ BLUFF	D NATURAL D'CULTURAL NANCE

L TO) 4 POPTREM >>QUEALBA>SALIX SUB-CANOPY UNDERSTOREY grass p. GRD. LAYER SOLCANA = grass SP. 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 - 24 25 - 50**ABUNDANCE CODES:** N=NONE R=RARE O=OCCASIONAL A=ABUNDANT N/O=Not observed STAND MATURITY: YOUNG WID-AGE PIONEER MATURE OLD GROWTH VEGETATION TYPE: Deciduous Forest Hedgerow CODE: HOD 1 FOD **COMPLEX** CODE:

Evidence of Disturbance / Notes:

Hedgeron within field

ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT D=DOMINANT N/O=Not observed DISTANCE FROM RD. LAYER SPECIES CODE ≤5 m >5 m 2 4 TREES: SHRUBS: GROUND: GRUSS Sp. Quality Control This form is complete 1248 Israble 134

4=GROUND (GRD.) LAYER

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

Signature:	Aim	Signature:
	(Field Personnel)	(Pleject Manager)

					-					vviidi	ie Habitat Assessment I offi
ELC Polygon: #	-L Asse	essment Type:	3 -Vis	sual; no	acces	s / 🛚 -	Walk throu	gh feature	•		
Extent of Physical In	vestigatio	on of Feature:	⊒-En	tire / 🗆	-Partia	l, wall	k through p	olygon <i>(in</i>	dicate on map)		
Reptile / Bat Hibe	rnacula	() (⊒-Y* i.e. fo oridge Conta ⊒-Y*	atures the abutme ains por	/ □-Unleast would not some cutential left.	knowr d provi dverts bat hik knowr	ide a route ur with cracks/c pernacula f	s (*if yes, aderground, entry points eatures? s (*if yes,	describe in table including buried of	concrete vices or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBER	RNACULA	<u>`</u>									
UTM]	Feature Description				Photo No	o. Spp. C	bserve	l Using Feature	

			***************************************							***************************************	
	-							1			•
Bat Roosting Fea	tures:		/ 💷-l	Jnknov	n, no a	acces	s (*if yes, d		table below) facing cavities ~	10m hi	ah in treel
POTENTIAL BAT R	OOSTING								3		<u> </u>
UTM	Tree I	D Tree Spp		DBH	Photo	No.	Decay Cl	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities

				·····							
Stick Nests:			Cont	oine ler	ac etic	k noot					
Stick Nests:			Cont □-Y*	ains lar	ge suc / □-Un	k nesi Iknow	is r n, no acces	s (*if yes,	describe in tab	le belov	v) =
STICK NEST(S) IDE	NTIFIED										<u> </u>
UTM		Tree ID		Tree	Spp.		Nest Size	Photo N	o. Spp. (Observe	d Using Feature
						•					
			·								·····
Sanna/Garinga N/a	amal Da		Cant	-i	<i>l</i>	-i		-0			
Seeps/Springs/Ve	ernai Po	OIS:	Cont □-Y*	ains se ' / <mark>⊡-N</mark>	eps/sp /	rings/ iknow	vernal pools n, no acces	s ? ss (*if yes,	describe in tabl	e belov	<i>(</i>)
SEEP/SPRING/VE	RNAL PO										
UTM	F	eature No. & Ty	pe	Feature (Diam		Wa	ter Depth	Photo No	Sub/Emerger Spp. Pres		Shrubs/ Logs at Edge Present?
										, ************************************	
			_								
SPECIES & HABITA	T ODGE!	DVATIONS (Bot		ioo on d	tune of	abson		J:4	>		1
SPECIES & HABITA	AT OBSEL	RVATIONS (IIST	spec	ies and	type of	obser	vation & in	oicate on i	пар)		Sec. 1997

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

Stante Project Num	1 – 7 Gue Can Tel: Fax:	ntec Con 70 South(lph, ON ada N1C (519) 836 (519) 83	34P5 3-6050 6-2493	Poly	1. T 8-	ile 8; R S Woodlai As:		fe Habitat Form
1						. *		
"	Date: 2 (1 Ju	ne	2012		Field Personnel:	A. Duck	rarme
Weather Condition	me.	TEMP (%	C):	WIND		CLOUD:	PPT:	PPT (in last 24 hrs):
				Ŭ		POLYGON DES	CRIPTION	
						TOPOGRAPHIC F	EATURE	HISTORY
ELC		YGON: RT TIMI	8 -	-5		☐ RIVERINE ☐ BOTTOMLAND	☐ TALUS ☐ CREVICE / CAV ☐ ALVAR ☐ ROCKLAND	/E CULTURAL
COMMUNITY DESCRIPTION CLASSIFICATI	& END	TIME:	<u> </u>	9-00 4:30	,	☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	□ BEACH / BAR □ SAND DUNE □ BLUFF	
STAND DESC	RIPTIO	N:						
LAYER	2	нт	CVR	1		S IN ORDER OF D TER THAN; >GRE		MINANCE BOUT EQUAL TO)
1 CANO	PY	ユ	Ч	SALNI	GR	7 ACESASA	+> GUEM	ACR
2 SUB-CAN	NOPY	3	4	3UGN	116R	L> ACECAK	A-SALN	16R
3 UNDERST	OREY	4-5	3	Ju6N	16R	> ROBPST	FUZRHO	177PH
4 GRD. LA	YER	6-7	3	acass	e5			
HT CODES: CVR CODES:		1=>25m 0=NONE		•		m 4=1 <ht≤2m 5="0.<br">/R≤25% 3=25<cvr≤< th=""><th></th><th></th></cvr≤<></ht≤2m>		
STANDING SN	AGS:			<10)	R 10-24	25 - 50	>50
ABUNDANCE CO	DES:		N	=NONE R	=RARE	O=OCCASIONAL	A=ABUNDANT	N/O=Not observed
STAND MATUR	RITY: F	PIONEER		YOUNG		MID-AGE	MATURE	OLD GROWTH
VEGETATION 1	TYPE:	Dec	zidu	lous	Fo	rest	CODE: FOD	>

Evidence of Disturbance / Notes:

COMPLEX

Fresh-moist Sugar maple - black walnut deciduous forest?

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 4 ≤5 m 2 TREES: $\overline{\circ}$ N 4/0 0 QUEMACR 0 FAGGRAN A A N Α 0 10 A 0 Ν TILCORD SHRUBS: NIO CORRACE RHUTIPH 0 0 GROUND: grasses

Signature:	Aith	Quality Control This form is complete 8 legible Signature:
-	(Field Personnel)	(Project Manager)

ELC Polygon: # 8 -	S Assess	ment Type: (멸-Visual; n	o access /	□-Walk thro	ugh featu	re			
Extent of Physical In	– vestigation (of Feature: [⊒-Entire / נ	Ĵ -Partial, w	alk through	polygon (indic	cate on map)		
Reptile / Bat Hiber	rnacula Fe	[] b C	□-Y* / ⊡-N [i.e. features the bridge abutmone of the contains pooled on the contains pool	/ □-Unkno that would prents or culver ptential bat / □-Unkno	ovide a route to its with cracks hibernacula	ss (*if ye: indergroun /entry poin features? ss (*if ye:	s, de d, inc ts. ex	escribe in table cluding buried c sposed rock crev escribe in table	onerete d	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBER	NACULA FI					V. W				
UTM		F	Feature Des	cription		Photo I	No.	Spp. O	bserved	l Using Feature
		A	***************************************	***************************************			\dashv			
Bat Roosting Features: Contains potential bat roosting features? □-Y* / □-Y* / □-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										
UTM	Tree ID	Tree Spp.		T	Decay C	lass (1-5)	N	o. of Cavities	Height	t and Type of Cavities
UIM	110010	I I CO STPP		LHULUITO	. Decay	1433 (1-0)	17	U. UI CAVILICO	Heigh	t and Type of Cavicies

	<u> </u>									
Stick Nests:		(Contains la ロ-Y* / ロ-N	rge stick ne I / □-Unkno	ests? own, no acce	ess (*if ye	s, de	escribe in table	e below	()
STICK NEST(S) IDE UTM	1	T ID	Two	0	BT4 C:	DLate	3.T.	S C		* **
Ulivi		Tree ID	1 Гет	e Spp.	Nest Size	Photo No. Spp. Observe			bserve	d Using Feature
										
									:+	
Seeps/Springs/Ve	rnal Pools	i:	Contains se □-Y* / □-X	eps/spring	s/vernal poc own, no acce	ols? ess (*if ye	s, de	escribe in table	e below)
SEEP/SPRING/VE	RNAL POO		(S) IDENTI	FIED						
UTM	Feat	ture No. & Ty	pe Featur (Diam		Vater Depth	Photo I	Vo.	Sub/Emergen Spp. Prese		Shrubs/ Logs at Edge Present?
			<u> </u>						***************************************	
SPECIES & HABITA	T OBSERV	ATIONS (list	species and	type of obs	ervation & i	ndicate or	mai	<i>n)</i>		
DI LUILO WILLIAM	II ODGELL.	ATTOTAL (1104	species and	type or our	CI YALIOII 🗫	IIUICALL VI	lua	<u> </u>		

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

16	Stantec Consulting L 1 – 70 Southgate Driving Guelph, ON Canada N1G 4P5 Tel: (519) 836-6050 Fax: (519) 836-2493	nd Call. T Pdy 8-	ile 8', R 6 Woodlan Ass	oadside ELe nd & Wildlife sessment Fe	e Habitat		
Project Number:	1609502	60950269 Project Name: NRUC ELC					
Date:	26 June	2012	Field Personnel:	A. Ducha	arme		
Weather Conditions:	TEMP (°C):	wind: light	CLOUD:	PPT:	PPT (in last 24 hrs):		
)	POLYGON DES	CRIPTION			
			TOPOGRAPHIC F	EATURE	HISTORY		
COMMUNITY	POLYGON: 8 - START TIME: 14 END TIME: 15	:30	☐ LACUSTRINE ☐ RIVERINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ ABLELAND ☐ ROLL, UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	☐ NATURAL		
STAND DESCRIP	TION:						
LAYER	HT CVR		IES IN ORDER OF D ATER THAN; >GRE				
1 CANOPY	2-3 4	POPTRE		711211, 712	OG: EQUAL 10)		
2 SUB-CANOPY			,				
3 UNDERSTORE	Y						
4 GRD. LAYER	10 11 11	grasses)				
HT CODES: CVR CODES:			0m 4=1 <ht≤2m 5="0.<br">CVR≤25% 3=25<cvr≤< th=""><th></th><th></th></cvr≤<></ht≤2m>				
STANDING SNAGS:		R <10	R 10 – 24	25 – 50	>50		
ABUNDANCE CODES:		=NONE R=RARE			/O=Not observed		
STAND MATURITY:	PIONEER	YOUNG	MID-AGE	VMATURE	OLD GROWTH		
VEGETATION TYPE:	Fresh-mois	+ Poplar De	eciduous Forest	CODE: HOD /	FOD 8-1		
COMP	PLEX			CODE:			
Evidence of Disturbance / Notes:							
Evidence of Distu	Co		CUP				
	1	Harbrid -	-poplar 1	Deciduons n Type)			
		119 5.10		\	,		

	TEN PLAN		/ER	Path Library	DISTANCE	FROM RD.	COLL
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLI
REES:		STATE		111111111111111111111111111111111111111	n	19	193
POPTREM	D	-	-	N			
HRUBS:	NAME OF				38,11235	<u> </u>	
ROUND:	2345m	t subay	sv=ss				
grasses	7		-	D			
- 12							

Signature:

									VIIGH	ie nabitat Assessment Form
ELC Polygon: # %_	_ Asse	essment Type:	☑-Visua	al; no ad	ccess / 🛚 -	Walk throu	gh feature			
Extent of Physical In	– vestigatio	on of Feature:	□-Entir	e / 🗅-P	artial, wall	k through p	olygon <i>(inc</i>	dicate on map)		
Reptile / Bat Hiber	rnacula		□-Y* / ([i.e. feau bridge ab Contain □-Y* / (I-N / □ ures that outments is poten I-N / □	I-Unknowr would provi or culverts itial bat hik I-Unknowr	ide a route ur with cracks/c pernacula fo	s (*if yes, oderground, entry points, eatures? s (*if yes, o	describe in tabl including buried o	concrete vices or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBER	NACULA				1 7					
UTM			Feature	Descrip	tion		Photo No	. Spp. C	bserved	d Using Feature
				~	***************************************	······			***************************************	
Bat Roosting Feat		[i.e. tall tree	/ Q-Un s with c	known, pen su	no access	s (*if yes, d		<i>table below)</i> acing cavitíes ~	10m hig	gh in tree]
POTENTIAL BAT ROUTH	Tree I				hoto No.	Decay Cla	es (I-5)	No. of Cavities	Heigh	t and Type of Cavities
O I M	litter	D Tree Sp	, L)	DII I	11000 110.	Decay Cia	155 (1-5)	140. 01 Cavities	Heigh	tand Type of Cavities
Stick Nests:			Contair □-Y* / t	ns large	stick nest	s? n, no acces	s (*if yes,	describe in tab	le below	v)
STICK NEST(S) IDE	NTIFIED)								
UTM		Tree ID		Tree Sp	op.	Nest Size	Photo No). Spp. (d Using Feature	
							<u> </u>			

Seeps/Springs/Ve	rnal Po	ols:	Contair	ns seep	s/springs/	vernal pools	s?	describe in tabl	le helov	A)
SEEP / SPRING / VE	RNAL PO					11, 110 00000	13 (n yes,	describe in tabl	C DOION	2
UTM	F	eature No. & Ty		ature S i Diameter		ter Depth	Photo No.	Sub/Emerger Spp. Prese	nt Veg. ent?	Shrubs/ Logs at Edge Present?
				<u>-</u>						
SPECIES & HABITA	TOREE	DIVATIONS (II.		a			J: 4			1
SPECIES & HABITA	I OBSEI	KVATIONS (IISI	species	and typ	of obser	vation & inc	dicate on n	181)		
										4
		* 44								
										* 00
										14 A S

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 South Guelph, ON Canada N10 Tel: (519) 83 Fax: (519) 83	4P5 3-6050	Poly 8-7		oadside EL0 nd & Wildlife sessment Fo	Habitat	
Project Number	1609	50'	269	Project Name:	NRWC	ELC	
Date	26 3	Jun	2012	Field Personnel:	A. Duch	arme	
Weather Conditions:	TEMP (°	C):	WIND	CLOUD	PPT:	PPT (in last 24 hrs	
			Ŭ	POLYGON DES	CRIPTION		
				TOPOGRAPHIC F		HISTORY	
ELC	POLYGON: START TIM	8-	7:00	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR	□ NATURAL E-CULTURAL	
DESCRIPTION & CLASSIFICATION	END TIME:	15	1:30	☑ TABLELAND □ ROLL, UPLAND □ CLIFF	□ SAND DUNE □ BLUFF		
STAND DESCRI	1		SPECII	ES IN ORDER OF D	ECREASING DOM	INANCE	
LAYER	HT	CVR	1	TER THAN; >GRE			
1 CANOPY	-	_	-1111000	01	10-0-		
2 SUB-CANOP 3 UNDERSTOR		4	THUOC	CI / FII	N 7 (150		
4 GRD, LAYE		J					
T CODES: CVR CODES:	1=>25m			m 4=1 <ht≤2m 5="0.<br">VR≤25% 3=25<cvr≤< td=""><td></td><td></td></cvr≤<></ht≤2m>			
STANDING SNAGS):		R <10	10 - 24	25 - 50	>50	
ABUNDANCE CODES	:		I=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N	/O=Not observed	
STAND MATURITY	: PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWT	
VEGETATION TYPE: Hedgeray - Coniferous Forest CODE: HOC/FOC							
COMPLEX CODE:							
Evidence of Disturbance / Notes: - trees liked in 10 ws.							

- trees lived in rows.
- could also be Cup3
(conitorous plantation)

ABUNDANCE CODES: N=NONE R=RARE O=	訓練競技	LA	YER	THE REAL PROPERTY.	DISTANCE	COLL	
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLI
REES:	THE STATE		e subje	19-118	i tene oppe	D. E. E. To	
THUOCCI	_	\triangleright	+	-	-	12	
THUOCCI PINSTRO		А	==			A	
HRUBS:	51000 1/2	MENTE ST	dises		remessing)	SAIT SAIL	50%
ROUND:	Play no	લોકોલા	MK.	A SUPE	\$25.50 D		

Signature:	A: M	Signature:
	(Field Personnel)	(Project Manager)

ELC Polygon: #% _	7 As	sessi	ment Type:	⊡ -Visua	l; no	access	/ 🗆 -	Walk throu	gh feature	е				
Extent of Physical In	vestiga	ition c	of Feature:	□-Entire	/ 🗆	l-Partial,	walk	through p	olygon <i>(ir</i>	ndica	ate on map)			
Reptile / Bat Hibe	rnacu	la Fe		□-Y* / ⊡ [i.e. feator bridge abo Contains □-Y* / ⊡	res that ne poor to the poor t	/ □-Unknat would pat would pats or culvential ba	nowr previ erts it hik nowr	de a route ur with cracks/c pernacula fo	s (*if yes, nderground entry points eatures? s (*if yes,	des , inc , exp	scribe in table luding buried c posed rock crev scribe in table	onerete ices or i	or rock (e.g. fe inactive anima	
POTENTIAL HIBER	RNACU	LA FI	EATURE(S)	IDENTI	FIE	D								
UTM				Feature 1	ription			Photo No	0.	Spp. O	bserve	d Using Feat	ire	
Bat Roosting Fea	tures:	444	Contains po	I / □-Unk	nov	vn, no ac	cess	s (*if yes, d			ole below)	1∩m hir	nh in treel	
POTENTIAL BAT R	OOSTI	NG F					migc	3, 0011-20	om, side-	1001	ing cavilles	(Om the	giriir deej	
UTM	Tre	e ID	Tree Sp	Spp. DBH Photo No. Decay Class (1-5) No. of Cavities Height a					t and Type of	f Cavities				
Stick Nests:				Contain: □-Y* / □	s lai ∄-N	ge stick i / □-Unki	nest now	s? n, no acces	ss (*if yes,	, de	scribe in table	e belov	v)	
STICK NEST(S) IDE	NTIFI	7	Tree ID		Γree	Spp.		Nest Size	Photo N	0.	Spp. C	bserve	d Using Feat	ure
Seeps/Springs/Ve	ernal F	Pools	•	Contain:	s se 1-N	eps/sprir / 🗆-Unkr	ngs/v	vernal pools	s? ss (*if yes,	des	scribe in table	e belov	v)	
SEEP / SPRING / VE	RNAL	POOL	_ FEATURE	E(S) IDEN	YTI	FIED			1				,	
UTM		Featı	ure No. & T	vnei		e Size eter)	Wat	ter Depth	Photo No	0.	Sub/Emergen Spp. Prese		Shrubs/ Log Prese	
SPECIES & HABITA	AT OBS	ERVA	ATIONS (lis	t species :	and	type of ol	bser	vation & in	dicate on	map)			
13														

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 South, Guelph, ON Canada N1C Tel. (519) 83 Fax: (519) 83	gate Driv 3 4P5 5-6050	Roly 8-		sessment Fo	Habitat			
Project Number:	1609	502	269	Project Name: Field Personnel:	NRUC E	ELC			
Date	26	<u> </u>	2012	- Field Fersonner.	14 · Duc	name			
Weather Conditions:	TEMP (°	C):	wind:	CLOUD	PPT:	PPT (in last 24 hrs):			
			J	POLYGON DES	CRIPTION				
				TOPOGRAPHIC F	EATURE	HISTORY			
COMMUNITY	POLYGON: START TIM END TIME:	8 - E: \S	8 5:30 5:40	□ LACUSTRINE □ RIVERINE □ BOTTOMLAND □ TERRACE □ VALLEY SLOPE □ TABLELAND □ ROLL. UPLAND □ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	□ NATURAL			
STAND DESCRIP	TION:								
LAYER	нт	CVR		ES IN ORDER OF D ATER THAN; >GRE					
1 CANOPY	_	_							
2 SUB-CANOPY	13	2	Decidu	ous Trees					
3 UNDERSTORE	- 17	4	Pridu	ious Shrub)ς				
HT CODES:	/m [9	Grusses	> SOLCAN	47018641				
CVR CODES:				0m 4=1 <ht≤2m 5="0.<br">:VR≤25% 3=25<cvr≤< td=""><td></td><td></td></cvr≤<></ht≤2m>					
STANDING SNAGS:		II	<10	R 10-24		>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	Hedger	ا- لىد	Gray Dogwo	ood Culturalizat	CODE:HOD/C	UT 1-4			
				CODE:					

Evidence of Disturbance / Notes:

ABUNDANCE CODES: N=NONE R=RARE O=0	THE SHAPE	LA	YER	2000	DISTANCE	CHEPLOSS	
SPECIES CODE	117	2	3	4	≤5 m	>5 m	COLL
REES:			10000000000000000000000000000000000000	53/9h	10000000000000000000000000000000000000		
Deciduous trees (difficult to see)		0	A	R	N	A	
HRUBS: Deciduous Strubs (difficult to see)		2	P	0	0	D	-234
ROUND:		9.86			2 25 22 25		1017
SOLCANA Grasses BIPFULL		222	222	A A R	A D O	0 R	

Signature:	Ain	Quality Control:T Signature:	4	n is complete 🖼 🛭 legibli	e 🖫
	(Field Personnel)	7		(Project Manager)	

										7 41101	io riddiaty iddication in the		
ELC Polygon: # 🖔 –	As	sessment Type:	□ -Vis	sual; no	access.	/ 🗅-	-Walk throu	gh feature					
Extent of Physical In	– vestiga	tion of Feature:	□ -En	ntire / 🗆	-Partial,	wall	k through p	olygon <i>(inc</i>	licate on map)				
Reptile / Bat Hibe	rnacul		□-Y* [i.e. fo bridge Conta □-Y*	catures the abutme ains pot	/ □-Unknoat would pat would pats or culvitential ba / □-Unkn	provi verts at hik	ide a route ui with cracks/c oernacula fo	s (*if yes, onderground, intry points, eatures? s (*if yes, o	describe in table including buried of	onerete vices or i	or rock (e.g. foundations, inactive animal burrows)]		
POTENTIAL HIBER	NACUI					, ,,,,,,,,							
UTM				re Desc				Photo No.	Spp. C	bserve	d Using Feature		
				-									
					Andriet: 18181818181818181818181818181818181818	***************************************	······································						
Bat Roosting Fea		[i.e. tall tree	s with	Unknow h open	vn, no ac surround	cess	s (*if yes, d	<i>escribe in l</i> icm, side-fa	table below) acing cavities ~	10m hi	gh in tree]		
POTENTIAL BAT R	7												
UTM	Tree	e ID Tree Spp).	DBH	Photo N	No.	Decay Cl	lass (1-5) No. of Cavities Heigh			ht and Type of Cavities		

Stick Nests:			Cont □-Y*	:ains lar * / 🖭 N	ge stick ı / □-Unkr	nest now	ts? n, no acces	ss (*if yes,	describe in tabl	e belov	y)		
STICK NEST(S) IDE	NTIFIE							Т=					
UTM		Tree ID	ļ	Tree	Spp.		Nest Size	Photo No	. Spp. (Spp. Observed Using Feature			
													
Seeps/Springs/Ve			□-Y*	*/ O=N	/ 🗖-Unkr	ngs/\	vernal pool n, no acces	s? ss (*if yes, o	describe in tabl	e belov	<i>(</i>)		
SEEP / SPRING / VE	RNALI	POOL FEATURE	(S) II	DENTII	FIED			1					
UTM		Feature No. & Ty	уре	(Diame	-	Wat	ter Depth	Photo No.	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?		
										······································			
			\top										
SPECIES & HABITA	TOPS	EDVATIONS (In		icana		<u></u>		3:4					
SPECIES & HADITA	II OBS	ERVATIONS (IISI	speci	ies anu	type of of	bser	vation & in	dicate on m	(ap)		T .		
											4.5		
											÷ «		
											0.00		

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 Consulti 1 70 Southgate Guelph, ON Canada N1G 4Pt Tel. (519) 836-60t Fax: (519) 836-24	50 Holy 8-	9 Woodla	toadside EL0 nd & Wildlife sessment Fo	Habitat
Project Number:	16095	0269	Project Name	NRWC 1	ELC
Date:	26 3	ne 2012	Field Personnel:	A. Duche	arne
Weather Conditions:	TEMP (°C):	WIND: light	CLOUD	PPT:	PPT (in last 24 hrs):
		0	POLYGON DES	CRIPTION	
			TOPOGRAPHIC P	EATURE	HISTORY
ELC COMMUNITY	POLYGON: START TIME: END TIME:	8-9 15:40 15:50	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TĀBLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	O NATURAL
STAND DESCRIP	TION:				
LAYER	HT C\			DECREASING DOM EATER THAN; = AB	
1 CANOPY	2-3	FAGGRA			
2 SUB-CANOP	/				
3 UNDERSTORE	Y 4-5 C	2 CORRA	ACE.		
4 GRD. LAYER	6-7	grosses	> DIBENT	L	
HT CODES: CVR CODES:		10′ <ht≤25m< td=""><td></td><td>.5<ht≤1m 6="0,2<HT≤<br">s60% 4=CVR>60% N</ht≤1m></td><td></td></ht≤25m<>		.5 <ht≤1m 6="0,2<HT≤<br">s60% 4=CVR>60% N</ht≤1m>	
STANDING SNAGS:		₹ <10	R 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	:- Dry-M	loist Old Fic	Id Moodow	CODE: HOD/	CUM 1-1
COM	PLEX			CODE:	
Evidence of Distu	ırbance / Not	es:			

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 1 2 3 ≤5 m >5 m TREES: FAGGRAN 0 SHRUBS: CORRACE GROUND: gasses N DIPFULL N A

// 02	Quality Control This form is complete 4 & legible 4.
Signature: / / / /	Signature:
(Field Personnel)	(Project Manager)

ELC Polygon: # \ G	Assess	ment Type: 〔	⊒-√isual; no	o acces	is / 🛚 -	-Walk throu	gh feature)			
Extent of Physical Inv	estigation	of Feature: [⊒-Entire / □	I-Partia	ıl, wall	k through p	olygon <i>(in</i>	dicate on map)			
Reptile / Bat Hibernacula Features: POTENTIAL HIBERNACULA FEATURE(S			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			Feature Description				Photo No	o. Spp. C	bserve	Using Feature	
	Tara i Iran										
Bat Roosting Feat		[i.e. tall tree	/ Q-Unknows with open	wn, no a surrou	acces	s (*if yes, d		table below) facing cavities ~	10m hiç	gh in tree]	
POTENTIAL BAT ROUTM	Tree ID	FEATURE(S) Tree Spp							t and Type of Cavities		
	Titte 1B	Тесорр	. 5511	THOU	7110.	Becay Ci	193 (1-5)	110. Of Cavities	rieigh	and Type of Cavities	
	The state of the s										
Stick Nests:			Contains la □-Y* / ⊡-N	rge stic / □-Ur	k nest know	ts? n, no acces	ss (*if yes,	describe in tab	e below	<i>'</i>)	
STICK NEST(S) IDEN	TIFIED	T ID	-	-		N . G:			~		
UTM		Tree ID	Tree	e Spp.		Nest Size	Photo N	o. Spp. 6)bserve	d Using Feature	
						44 Terras					
Seeps/Springs/Ve	rnal Pools	5:	Contains se □-Y* / ᡚ-N	eps/sp / 🔲-Un	rings/ nknow	vernal pools n, no acces	s? ss (*if yes,	describe in tabi	e below)	
SEEP / SPRING / VEI	RNAL POO	L FEATURE			Ι		1	0.145			
UTM	Feat	ture No. & Ty	pe Featur (Diam		Wa	ter Depth	Photo No	Sub/Emerger Spp. Prese	nt Veg. ent?	Shrubs/ Logs at Edge Present?	

SPECIES & HABITA	T OBSERV	ATIONS (list	species and	type of	obser	vation & in	dicate on 1	nap)			
										1.0	
					4					2.00	

					0 To					3.8	
S ₹											

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 South Guelph, ON Canada N10 Tel: (519) 836 Fax: (519) 83	gate Driv 3 4P5 3-6050		IY 8'1 R IO Woodlai As:	oadside ELC nd & Wildlife sessment Fo	C, Habitat orm				
Project Number:	1000	~~	269	Drainet Mana						
_				Project Name: NRWC ELC						
Date:	26 -	24r	e 2012	Field Personnel:	A. Ducho	22mc				
Weather Conditions:	TEMP (*	C):	WIND: light	CLOUD:	PPT:	PPT (in last 24 hrs):				
			0	POLYGON DES	CRIPTION					
				TOPOGRAPHIC F	EATURE	HISTORY				
COMMUNITY	POLYGON: START TIMI END TIME:	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-10 5'.50	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	©¶ATURAL □ CULTURAL				
STAND DESCRIP	TION:									
LAYER	нт	CVR	1		DECREASING DOMI					
1 CANOPY	2	Ч	ACESAS	AZFAGGRI	NP NP					
2 SUB-CANOP	1 3-4	4	RHUTT	H>FAGG	ガエハフはは	SASA				
3 UNDERSTORE	Y 5-6	3	grasses	7 SOLCANI	MINTINSA	= PARQUIN				
4 GRD. LAYER	17 0	3	grasses	YUADIO <	1 TVITVINI	= PARQUIN				
HT CODES: CVR CODES:	1=>25m 0=NONE				5 <ht≤1m 6="0.2<HT≤0<br">60% 4=CVR>60% N</ht≤1m>					
STANDING SNAGS:			R <10	R 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	n-Moist	Sug	on Maple-Har	dward Decidist	CODE: FOD	6-5				

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 DISTANCE FROM RD. LAYER COLL. SPECIES CODE >5 m 2 ≤5 m 3 4 TREES: ACESASA 0 A N10 A NIO 0 FAGGRAN SHRUBS: RHUTTPH 0 R GROUND: 0 UNITUNI 0 A 0

Signature: Au Z	Quality Control:This form is complete 🖰 & legible 🗅:	
(Field Personnel)	(Project Manager)	

Extent of Physical In	10	of Feature: □-E								
Reptile / Bat Hibe	rnacula Fe	□-Y [i.e. brid Cor □-Y	/* / 🖸-N features the decision of the decisio	/ □-Unkno hat would prents or culver itential bat / □-Unkno	ovide a route u ts with cracks/ hibernacula f	ss (*if yes, anderground, contry points. features? ss (*if yes, and the control of the control o	describe in table including buried co	nerete or re ices or inact	ock (e.g. foundations, tive animal burrows)]	
POTENTIAL HIBER UTM	RNACULA F		ENTIFIE ture Desc			Photo No. Spp. Observed Using Feature				
1 1 1 1 1 1 1 1										
Bat Roosting Fea	tures:	Contains poten □-Y* / ⊡-N / □ [i.e. tall trees w	I-Unknov	vn, no acce	ess (*if yes, d		table below) acing cavities ~1	0m high i	n tree]	
POTENTIAL BAT R				,	D CI	(1 5)	N6-0- '4'	FT . 7 . 3 . 4	1.75	
UTM	Tree ID	Tree Spp.	DBH	Photo No	. Decay CI	ass (1-5)	No. of Cavities	Height an	d Type of Cavities	

Stick Nests:		Col	ntains la Y* / ⊡-N	rge stick ne / 🔲-Unkno	ests? own, no acces	ss (*if yes,	describe in table	e below)		
STICK NEST(S) IDE UTM	ENTIFIED	Tree ID	Tree	e Spp.	Nest Size	Photo No	o. Spp. O	bserved U	sing Feature	
Seeps/Springs/Vo		<u></u> 0	Y* / @-N	/ 🗆-Unkno	s/vernal pool	ls? ss (*if yes,	describe in table	below)		
SEEP / SPRING / VE UTM	1	L FEATURE(S) ture No. & Type	Featur (Diam	e Size	Vater Depth	Photo No	Sub/Emergen		nrubs/ Logs at Edge Present?	
			(1.71.71)	ecci)			Spp. Presei		Fresent:	
SPECIES & HABITA	AT OBSERV	ATIONS (list spe	ecies and	type of obs	ervation & in	dicate on n	пар)			
		9 2		1.9						

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

Stante	M
Ä	

Woodland & Wildlife Habitat Roadside ELC,

Stantec Consulting Ltd. Coll. Poly 8; 1-70 Southgate Drive Gueph, On. Canada N1G 4P5 Tel. (519) 836-6050 Fex: (519) 836-2493

50 6095026 ひるる 500 Field Personnel: Project Name: **Assessment Form**

Project Number:

Date:

てでして Arbuchonne EC

light CLOUD: PPT

PPT (in last 24 hrs)

Weather Conditions:

TEMP (°C)

POLYGON DESCRIPTION

COMMUNITY
DESCRIPTION &
CLASSIFICATION START TIME: END TIME: POLYGON: (,100) D LACUSTRINE DTALUS
D RIVERINE D CREVICE / CAVE
D BOTTOMLAND D ALVAR
D TERRACE
D TOALLEY SLOPE D BEACH / BAR
D TABLELAND D SAND DUNE
D ROLL. UPLAND D BLUFF
D CLIFF TOPOGRAPHIC FEATURE CULTURAL BUNATURAL HISTORY

П

C

STAND DESCRIPTION:

U	STAND DESCRIPTION:	ž					
	LAYER	нт	CVR	SPECIE (>>MUCH GREA	SPECIES IN ORDER OF DECREASING DOMINANCE H GREATER THAN; >GREATER THAN; = ABOUT EQ	ECREASING DO ATER THAN; = A	SPECIES IN ORDER OF DECREASING DOMINANCE (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO)
_	CANOPY	1	ſ	}			
2	SUB-CANOPY	S	_	RHUT-1PH	RHUT-IPH > CORRACE	ACE	
ω	UNDERSTOREY	S-h	て	9005857	grasses > DIPFULL		
4	GRD. LAYER	6-4	4	<3550 B			
Ξ	HT CODES:	1=>25m	2=10<+	1T<2501 3=2 <ht<101< th=""><th>1=>25m 2=10<ht<25p 3="2<HT<10m" 4="1<HT<2m" 5="0.5<HT<1m" 6="0.2<HT<0.5m" 7="HT<0.2m</th"><th>5<ht≤1m 6="0.2<H</th"><th>T≤0.5m 7=HT<0.2m</th></ht≤1m></th></ht<25p></th></ht<101<>	1=>25m 2=10 <ht<25p 3="2<HT<10m" 4="1<HT<2m" 5="0.5<HT<1m" 6="0.2<HT<0.5m" 7="HT<0.2m</th"><th>5<ht≤1m 6="0.2<H</th"><th>T≤0.5m 7=HT<0.2m</th></ht≤1m></th></ht<25p>	5 <ht≤1m 6="0.2<H</th"><th>T≤0.5m 7=HT<0.2m</th></ht≤1m>	T≤0.5m 7=HT<0.2m
5	CVR CODES:	0=NONE	1=0%	CVR < 10% 2=10 CV	0=NONE 1=0% <cvrs10% 2="10<CVRs25%" 3="25<CVRs60%" 4="CVR">60% N/O=not observed</cvrs10%>	60% 4=CVR>60%	N/O=not observed
ST	STANDING SNAGS:			7 10	<u>ス</u> 10-24	N 25 - 50	2 >50
ABI	ABUNDANCE CODES:		z	N=NONE R=RARE O=OCCASIONAL	O=OCCASIONAL	A=ABUNDANT	A=ABUNDANT N/O=Not observed
ST.	STAND MATURITY:	PIONEER	_	YOUNG	MID-AGE	MATURE	OLD GROWTH
N.	VEGETATION TYPE:	7	eado	Meadow Mous		CODE: MAM	T

Evidence of Disturbance / Notes:

COMPLEX

CODE:

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

ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT N=OCMBINANT NO=NOLOBERED	CCCAS	UNAL	=ABUN	DANT D	=DOMINAN	T N/O=Not	observed
SPECIES CODE	1	2 5	3	4	≤5 m	>5 m	COLL
TREES:		- A	Light Street		(F)		
		5.5					
RITUTIPH CGRRACE	()	00	77	ZZ			
GROUND:		34))	建筑整		122
DIPFULL)]	20	0	ZC			
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Signature:

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ELC Polygon: # % -	_	sment Type: 🖫								
Extent of Physical Inv	estigation	of Feature:	3-Entire / □	I-Partial,	walk	through p	olygon <i>(in</i>	dicate on map)		
Reptile / Bat Hibern		[i bi C C C [i	i.e. featores (loridge abutme Contains por D-Y* / D-N / i.e. karst topo	/ Q-Unkn hat would pents or cuts otential ba / Q-Unkn ography, ab	proviewerts verts	n, no accestide a route un with cracks/c pernacula fe n, no acces	s (*if yes, nderground, entry points eatures? s (*if yes,	describe in table including buried of	concrete (vices or i	or rock (e.g. foundations, inactive animal burrows)]
UTM	IACULA F		eature Desc				Photo No	Spp. C	bserved	d Using Feature
	+				P	***************************************				
Bat Roosting Feat			/ □-Unknov s with open	wn, no ac surround	cess	s (*if yes, de		table below) facing cavities ~	10m híç	gh in tree]
POTENTIAL BAT RO	Tree ID	FEATURE(S) I Tree Spp.		ED Photo N	Vo.	Decay Cla	nes (1-5)	No. of Cavities	Heigh	t and Type of Cavities
Uliva	HICCAD	тес орр.	DUL	I HOLU :	10.	Detay Ca	133 (1-3)	No. 01 Cavilles	Heigh	lanu Type of Cavilles
	<u> </u>									
Stick Nests:			Contains lar □-Y* / 望-N				ss (*if yes,	describe in tab	le belou	() H
STICK NEST(S) IDEN										
UTM		Tree ID	Tree	e Spp.	-	Nest Size	Photo N	o. Spp. C	Observe	d Using Feature
					-	1	 			
Seeps/Springs/Ver	rnal Pools	s: (Contains se □-Y* / ଢ 4Ñ	eps/sprir	ngs/v	/ernal pools	s?	describe in tabl	le helow	A
SEEP / SPRING / VER	RNAL POO					1, 110 0000	01,,	4000//00 11. 12.5.	0 50.5	,
UTM	Feat	ture No. & Typ	pe Feature (Diam		Wat	ter Depth	Photo No	Sub/Emerger Spp. Preso		Shrubs/ Logs at Edge Present?
		***************************************							**************************************	

SPECIES & HABITAT	T ORSERV	/ATIONS (list	enecies and	tune of o	heem	vation & inc	dicate on r			1
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										(85) (86) - 6
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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

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Series .	11/3	

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

Stantec					
Project Number:	60950269		Project Name:	NEWC	
Date:	oct. 19	2012	Field Personnel:	CIROSS	
	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):
ther Conditions:	14	2	100/0	In and	Carried

POLYGON DESCRIPTION

		TOPOGRAPHIC F	EATURE	HISTORY
COMMUNITY	POLYGON: 4D START TIME: END TIME:	☐ RIVERINE - BOTTOMLAND □ TERRACE □ VALLEY SLOPE - □ TABLELAND	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	E¶ATURAL □ CULTURAL

TAND DESCRIPTION:

LAYER	нт	CVR	(>>ML			ORDER OF I				NCE EQUAL TO)
CANOPY			and	عصص	Ø.	> Suga	~ V	vaple	78	urcalc
SUB-CANOPY				10		J		٢		
UNDERSTOREY			V	1/0						
GRD. LAYER			V	110						
T CODES: VR CODES:	1=>25m 0=NONE					1 <ht≤2m <b="">5=0 % 3=25<cvr:< td=""><td></td><td></td><td></td><td></td></cvr:<></ht≤2m>				
TANDING SNAGS:	\n/	'O		<10		10 – 24		25 – 50		>50
BUNDANCE CODES:		N	=NONE	R=RARE	0=	OCCASIONAL	A=	ABUNDANT	N/O=N	ot observed
TAND MATURITY:	PIONEER		YOU	NG NG		MID-AGE		MATURE		OLD GROWTH
EGETATION TYPE:	900	وس	ano	- miro	revo.	Swamp	COL	DE: SW[12-2	
COMPLI						4	COE	E:		

vidence of Disturbance / Notes:

Fan buck France Road, but looks wet From air photo or low in topography.

SPECIES CODE			ER	102	DISTANCE		COLI
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ROUND:			124 St.	42.47.18			district.
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ignature:	Caffughen	Signature:	
-	(Field Personnel)		(Project Manager)

ELC Polygon: # 4	_	sment Type: 伍- of Feature: ロ-				_			
Reptile / Bat Hiber	nacula F	[i.e brid Co 	Y* / □-N . features the factories to the factories the factories the factories for	/ 12-Unknowhat would procents or culvertential bat he discount tential bat he	vide a route un s with cracks/ ibernacula f	ss (*if yes, inderground, entry points, features? ss (*if yes, index of the control of the contr	describe in table including buried c	oncrete ices or i	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBER	NACULA I		·			X 011-03-3			
UTM		Fea	ture Desc	ription		Photo No	. Spp. O	bserve	d Using Feature
Bat Roosting Feat	ures:	Contains pote □-Y* / □-N / Œ [i.e. tall trees v	1 -Unknov	vn, no acces	ss (*if yes, d		table below)	10m hig	gh in tree]
POTENTIAL BAT RO	OSTING		ENTIFIE	,					
UTM	Tree ID	Tree Spp.	DBH	Photo No.	Decay Cl	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
Stick Nests:		Co □-	ntains laı Y* / ロ-N	rge stick nes / ☑-Unknov	sts? vn, no acces	ss (*if yes,	describe in tabl	e belov	v)
STICK NEST(S) IDE	TIFIED								
UTM		Tree ID	Tree	Spp.	Nest Size	Photo No	o. Spp. C	bserve	d Using Feature

						1			
Seeps/Springs/Ve	rnal Pool	s: Co	ntains se	eps/springs	/vernal pool	s?	describe in tabl	e helou	v)
SEEP / SPRING / VEI	RNAL POC				vii, iio acces	33 (n yes,	describe in tabl	e pelov	
UTM	Fea	ture No. & Type	Feature (Diam	!	ater Depth	Photo No	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
	П				***************************************				
SPECIES & HABITA	Г OBSERV	ATIONS (list sp	ecies and	type of obse	rvation & in	dicate on n	nan)		
			***************************************	-, po 01 0000	· rucion co m	diente on n	imp)		
									=
CA=carcass: DP=distinct	ive parts: Fb	efeeding evidence	: FY=eggs	/nest: HO=ho	use/den; OB=	observed: St	C=scat; Sl=other s	ign; TK=	=track: VO=vocalization

Stantec Project Numbe
leather Conditions:

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:	1,015049		Project Name:	NEWC	
Date:	oct 191,	2012	Field Personnel:	C. Ross	
ther Conditions:	TEMP (°C):	WIND: 1-2	CLOUD:	PPT: Vove	PPT (in last 24 hrs):

POLYGON DESCRIPTION

		TOPOGRAPHIC F	EATURE	HISTORY
COMMUNITY	POLYGON: 4A START TIME: END TIME:	DEVERINE DESCRIPTION DESCRIPTI	□ TALUS □ CREVICE / CAVE □ ALVAR □ ROCKLAND □ BEACH / BAR □ SAND DUNE □ BLUFF	Ig¶ATURAL □ CULTURAL

TAND DESCRIPTION:

TAND DESCRIP IN	J14.					
LAYER	нт	CVR			DECREASING DOMING	
CANOPY	4	2			auk hielcon	
! SUB-CANOPY	1 '		J	J.	Ç	
UNDERSTOREY	3-4	2	Silkydogu	200		
GRD. LAYER	5-7	4	Read cone	us giaso >	pelyaconin	~ 5/P
T CODES: VR CODES:	1=>25m 0=NONE				.5 <ht≤11< td=""><td></td></ht≤11<>	
TANDING SNAGS:			<10	0 10-24	25 – 50	>50
BUNDANCE CODES:		N	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N/	D=Not observed
TAND MATURITY:	PIONEER	₹	YOUNG	MID-AGE	MATURE	OLD GROWTH
EGETATION TYPE:	Reed	com	en meade	an moush	CODE: MAM	2-2
COMPL	EX		0		CODE:	

vidence 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

SHAME AND SECURITION OF THE SECURITIES OF THE SECURITION OF THE SE	CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT LAYER		DISTANCE	9783/198			
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
TREES:							
greenas	-C						
white In	R						
Shaq hauk hickory	2.0						
granaso White Im Shag haukhckom Burbak	1			-			
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GROUND:	g Property			- N	· 斯马克·金属。	题 数 图 20	40004
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Signature:	Complete Personnel)	Quality Control:This form is complete & legible . Signature:
_	(Field Personnel)	(Project Manager)

ELC Polygon: #4	Assess	sment Type: 🗹	-Visual; no	access i	/ u -	Walk throu	gh featur	е			
Extent of Physical Inv	- restigation	of Feature:	-Entire / 🗆	I-Partial, v	walk	k through p	olygon <i>(ir</i>	ndicate	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 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 F										
UTM		Fe	ature Desc	ription			Photo N	0.	Spp. O	bserved	Using Feature
											
								<u> </u>			
Bat Roosting Feat		Contains pote □-Y* / □-N / [i.e. tall trees	☐ Unknow with open	vn, no acc surround	cess	s (*if yes, d	escribe in cm, side-	<i>table</i> facing	below) cavities ~	10m hig	gh in tree]
POTENTIAL BAT RO	T		1	1							
UTM	Tree ID	Tree Spp.	DBH	Photo N	0.	Decay Cla	ass (1-5)	No. 0	of Cavities	Height	t and Type of Cavities

Stick Nests:		C	ontains laf I-Y* / 🗗 N	ge stick r / □-Unkn	nest	s? n, no acces	s (*if yes,	, desci	ribe in table	e below	<i>(</i>)
STICK NEST(S) IDEN	TIFIED	·				<u></u>					
UTM		Tree ID	Tree	Spp.		Nest Size	Photo N	0.	Spp. C	bserve	d Using Feature
											
											PP-100000
Seeps/Springs/Ver	nal Pools	s: C	ontains se l-Y* / ロ-N	eps/sprin	gs/\	vernal pools	s? ss (*if yes.	. desci	ribe in table	e below	<i>(</i>)
SEEP / SPRING / VEF	RNAL POO								16		,
UTM	Fear	ture No. & Typ	e Feature (Diame		Wat	ter Depth	Photo N	o. Su	b/Emergen Spp. Prese		Shrubs/ Logs at Edge Present?
		······································							***************************************		
SPECIES & HABITA	Γ OBSERV	ATIONS (list s	pecies and	type of oh	serv	vation & in	dicate on	man)			
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CA-carcass: Liteaustinet	ive parts: PE	-recand syldenc	c, ra=eggs/	mesti HU	nous	sedent UB=0	observed: S	ruscal	; Si≕other si	gn: TK=	track: VO=vocalization

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Roadside ELC, Woodland & Wildlife Habitat Assessment Form

Stantec	Tun: (010) 000 2 100				
Project Number:	6095026	7	Project Name:	NAMC	
Date:	actober	19,2012	Field Personnel:	CIRO	55
ather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):

POLYGON DESCRIPTION

		TOPOGRAPHIC FEAT	TURE	HISTORY
COMMUNITY	POLYGON: 4B START TIME: END TIME:	□ RIVERINE □ CO BOTTOMIAND □ A I TERRACE □ F □ VALLEY SLOPE □ E I TABLELAND □ S	CREVICE / CAVE	ØNATURAL □ CULTURAL

TAND DESCRIPTION:

LAYER	нт	CVR			DECREASING DON ATER THAN; = AE			
CANOPY	2	4			2e 7 Shanlow			
SUB-CANOPY				J	Jr	8		
UNDERSTOREY	3-4	3	Blue beech	J barone	ed> white e	e Du		
GRD. LAYER	5-7	-2	Sicol					
T CODES: 1=>25m 2=10 <ht≤25m< td=""> 3²2<ht≤10m< td=""> 4=1<ht≤2m< td=""> 5=0.5<ht≤1m< td=""> 6=0.2<ht≤0.5m< td=""> 7=HT<0.2m</ht≤0.5m<></ht≤1m<></ht≤2m<></ht≤10m<></ht≤25m<>								
TANDING SNAGS:	N	0	<10	10 – 24	25 – 50	>50		
BUNDANCE CODES:		N	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N	I/O=Not observed		
TAND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH		
EGETATION TYPE:	dak	Suga	nepleder.	fereot	CODE: FOD9-	1		
COMPLE	X				CODE:			

vidence of Disturbance / Notes:

ABUNDANCE CODES: N=NONE R=RARE (LAYER				DISTANCE FROM RD.		
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL
REES:							
Redoale	IA						
whiteoak	0						
Threat hack hickory	0						
Redoak white oak Show hack hickory unterpre	R						
Scaannane	A						
Sugar marche Suscincial	R		0				
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Whiteoal	1/2						
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Signature:	Cal to the		This form is complete □ & legible □.
	(Eleld Personner)	_	(Project Manager)

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Stantec	Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel. (519) 836-6050 Fax: (519) 836-2493		Woodla	oadside ELC nd & Wildlife sessment Fo	Habitat
Project Number:	60960269		Project Name:	NPWX	
Date:	october 1	9,2012	Field Personnel:	C. Pos:	3
leather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT: Nove	PPT (in last 24
			TOPOGRAPHIC F		HISTORY
ELC	POLYGON: 4 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	ØNATURAL □ CULTURAL

LAYER	нт	CVR			EATER THAN; = A	MINANCE BOUT EQUAL TO)		
CANOPY	13	2	willows	٠				
SUB-CANOPY			,	1				
UNDERSTOREY	4	4	Bettenbas	3h				
GRD. LAYER	5-7	4	fred cara	es grass				
T CODES: VR CODES:	1=>25m 0=NONE		IT≤25m 3= 2 <ht≤10r <cvr≤10% <b="">2=10<cv< td=""><td></td><td></td><td></td></cv<></cvr≤10%></ht≤10r 					
TANDING SNAGS:			<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: CODE: CODE: WAY 1-2-5 WT2-4								

CODE:

COMPLEX
vidence of Disturbance / Notes:

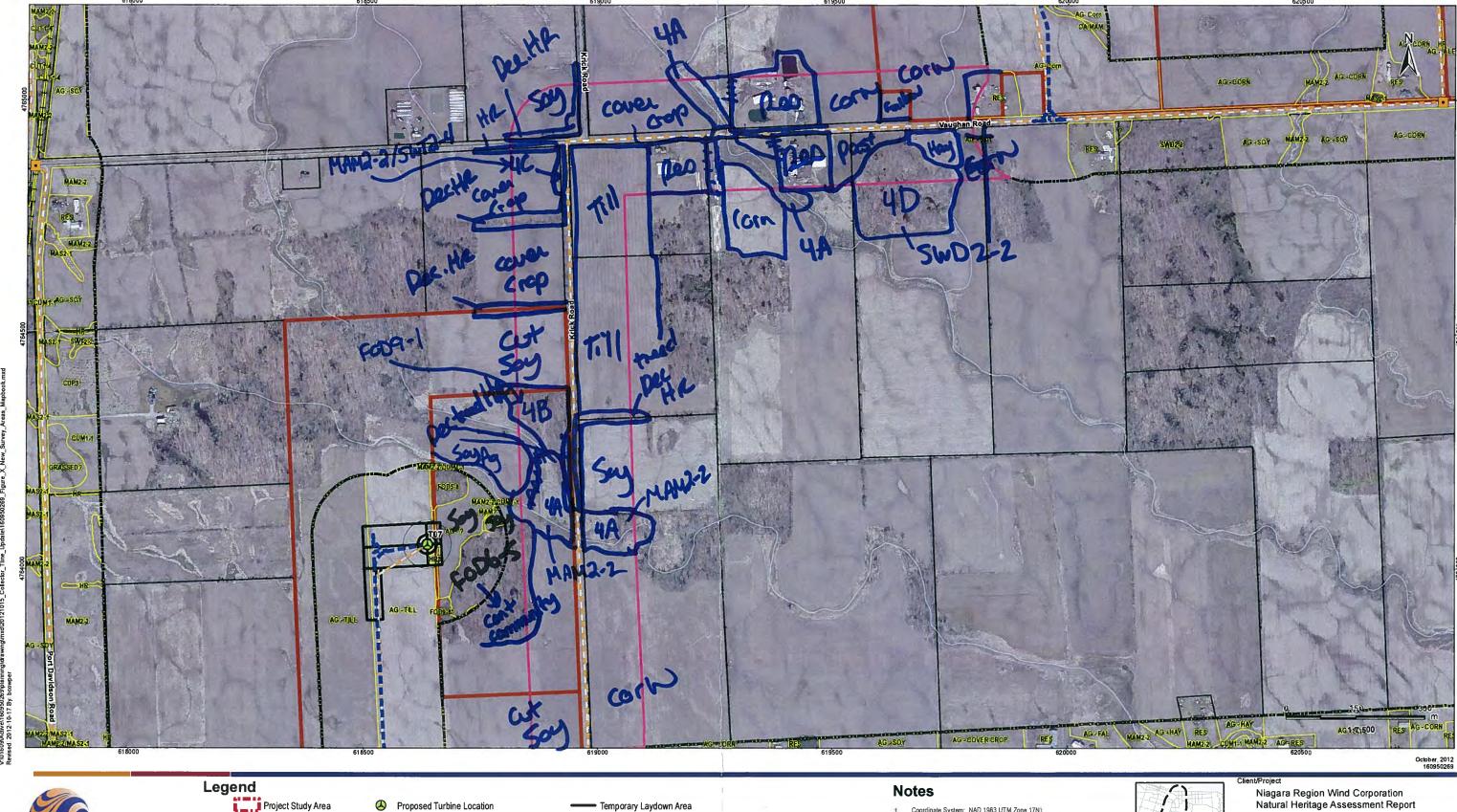
LAYERS: 1=CANOPY >10m	2=SUB-CANOPY	3=UNDERSTOREY	4=GROUND (GRD.) LAYER
ABUNDANCE CODES: N=NONE	R=RARE O=OCCA	SIONAL A=ABUNDANT	D=DOMINANT N/O=Not observe

ABUNDANCE CODES: N=NONE R=RARE O=(SPECIES CODE		LA'	YER		DISTANCE	COLL	
	1	2	3	4	≤5 m	>5 m	COLL
REES:	4188	110			当中学用整件	THE STATE	167
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POLINO:	41484	13111/15	(245)(E)	MA SAME			TOTAL STREET
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2							

Signature: Clefty Apor	•	Control:This f	orm is comple	ite 🗆 & legibl	le 🛛.
(Field Personnel)	-		(Project	Manager)	

ELC Polygon: #40		sment Type: 🗹-\				_			
Extent of Physical Invest	igation	of Feature: □-E	Entire / 🗖	-Partial, wa	alk through p	olygon <i>(in</i>	dicate on map)		
Reptile / Bat Hiberna	cula Fe	□-\ [i.e. brìd Cor □-\	/* / □-N / features the ge abutmentains pot /* / □-N /	dud-Unknow twould prouts or culver tential bat he dud-Unknow	vide a route un is with cracks/d nibernacula fo	is (*if yes, aderground, entry points eatures? is (*if yes,	describe in table including buried of	onerete rices or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBERNA	CULA F								
UTM		Fea	ture Desc	ription		Photo No	Spp. O	bserved	Using Feature
	_								
Bat Roosting Feature			-Unknow ith open	n, no acce surroundin	ss (*if yes, d	l escribe in icm, side-l	table below) facing cavities ~	10m hiç	gh in tre e]
	ree ID	Tree Spp.	DBH	Photo No.	Decay Cl	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
		_L							
Stick Nests:		Coi	ntains lar Y* / □-N /	ge stićk ne / ⊡-Unkno	sts? wn, no acces	ss (*if yes,	describe in tabl	e below	()
STICK NEST(S) IDENTI	FIED	7F IID	Т	0	N. 16:	701 . 37			
UTM		Tree ID	Tree	Spp.	Nest Size	Photo N	o. Spp. C	Diserve	d Using Feature
Seeps/Springs/Verna	l Pools	5: Coi	ntains sed	eps/spring:	s/vernal pool	s? ss (*if ves.	describe in tabl	e helow	<i>(</i>)
SEEP / SPRING / VERNA	L POO					,,		0 00.01.	
UTM	Feat	ure No. & Type	Feature (Diame		ater Depth	Photo No	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
					······································				

SPECIES & HABITAT O	RSERV	ATIONS (list end	cies and	type of obs	ervation & in	dicate on a	man)		
SI LCIES & HABITAT O	DSERV	A FIONS (list spe	cies and	type of obs	i vation of in	uicate on i	шар)		
				.65					
CA=carcass: DP=distinctive	Norte: CE	Mading and large	EV=nav-/	newly HOLL	unaldani OD	alman, et C	C	1313 E.	and VO



Collector Lines - Underground or Overhead

Potential Construction Laydown Area

---- Fibre Optic Line

Potential Access Road

Transformer Substation



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

- 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.



Figure No.

X.4

Potential Additional Survey Areas Figure X.4

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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

Stantec					
Project Number:	60950269		Project Name:	NRWC	
Date:	october 19,	2012	Field Personnel:	C. Ross	

Date	Date october 19, 2		Field Personnel:	C. Koss	
Neather Conditions:	TEMP (°C).	WIND:	CLOUD:	PPT: Nove	PPT (in last 24 hrs

POLYGON DESCRIPTION

	TOPOGRAPHIC FEATURE	HISTORY
CLASSIFICATION & POLYGON: START TIME: START TIME: END TIME:	□ LACUSTRINE □ TALUS □ RAYERINE □ CREVICE / CAVE □ BOTTOMLAND □ ALVAR □ TERRACE □ ROCKLAND □ VALLEY SLOPE □ BEACH / BAR □ TABLELAND □ SAND DUNE □ ROLL. UPLAND □ BLUFF	ØNATURAL □ CULTURAL

STAND DESCRIPTION:

	AND DESCRIP IIC	714.										
	LAYER	нт	CVR			DECREASING DON						
	inter the t	1	00.0		>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO)							
1	CANOPY	2	1	Buroak								
2	SUB-CANOPY	 										
3	UNDERSTOREY	3-4	3	Butenbush	> Spoice bus	~						
4	GRD. LAYER	5-7	4	artail >10								
IT CODES: 1=>25m 2=10 <ht<25m 3="2<HT<10m" 4="1<HT<2m" 5="0.5<HT<97m" 6="0.2<HT<0.5m" 7="HT<0.2m</td"></ht<25m>												
:V	R CODES:	0=NONE	1=0%	<cvr≤10% 2="10<C\</td"><td>/R≤25% 3=25<cvr≤< td=""><td>60% 4=CVR>60% N</td><td>I/O=not observed</td></cvr≤<></td></cvr≤10%>	/R≤25% 3= 25 <cvr≤< td=""><td>60% 4=CVR>60% N</td><td>I/O=not observed</td></cvr≤<>	60% 4=CVR>60% N	I/O=not observed					
šT.	ANDING SNAGS:			<10	10 – 24	25 – 50	>50					
ıBı	INDANCE CODES:		N	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N	I/O=Not observed					
šT.	AND MATURITY:	PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH					
Buttarlash thicket Sugnip/Cattarl Shallow marsh. CODE: SWT2-4/MAS 2-1												
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 0=OCCASIONAL A=ABUNDANT D=DOMINANT N/O=Not observed

ABUNDANCE CODES: N=NONE R=RA	RE U=UCCASI	LA	YER	IDANI L	DISTANCE	FROM RD.	COLL
SPECIES CODE	11	2	3	4	≤5 m	>5 m	COLL
TREES:			* 100 N			ALCOHOLD BY	194
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SHRUBS:	general comment	10020346	i stotate	a lati de c	335	280 L 250 L	description
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GROUND:	超过 计恒	157.4		ini-	是的概念。		
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				-			
				1	<u> </u>		L

Signature:	Cleather Horox	
	(Field Personnel)	

Quality Control:This form is complete

& legible

.

Signature:

(Project Manager)

	vestigation o	of Feature: Q-E	intire / 🗖	-Partial, wa	alk through p	olygon (indi	cate on map)		
Reptile / Bat Hibernacula Features:		□-Y [i.e. brid _k Con □-Y	Contains potential reptile hibernacula features?						
POTENTIAL HIBER	NACULA FI	EATURE(S) IDE	ENTIFIE	D		1			
UTM		Feat	ture Desc	ription		Photo No.	Spp. O	bserved	l Using Feature

Bat Roosting Fea		Contains poten □-Y* / □-N / ⊡ [i.e. tall trees w	-Unknow ith open	n, no acce surroundin	ss (*if yes, d	<i>lescribe in ta</i> icm, side-fa	able below) cing cavities ~	10m hiç	gh in tree]
POTENTIAL BAT R UTM	OOSTING F	Tree Spp.	DBH	D Photo No.	Decay Cla	ass (1-5) P	No. of Cavities	Heigh	t and Type of Cavities
	110012	Песыри		I HOLO I NO	Decay on	133 (1-5)	vo. or Cavilles	iicigii	t and Type of Cavilles
Stick Nests:		Cor	ntains lar	ge stick ne	sts?			1	
		<u> </u>	/* / □-N	/ ロ-Unkno	wn, no acces	ss (*if yes, d	lescribe in tabl	e belov)
STICK NEST(S) IDE UTM		Tree ID	Tree	Spp.	Nest Size	Photo No.	Spp. ()bserve	d Using Feature
Seeps/Springs/Ve	rnal Pools	: Cor	ntains se Y* / □-N	eps/spring: / 🖸-Unkno	s/vernal pools	s? ss (*if ves. o	escribe in tabl	e below	<i>(</i>)
SEEP/SPRING/VE	RNAL POOI		IDENTIF	FIED	,	1			
	Feat	ure No. & Type	Feature (Diame	1 2/4	ater Depth	Photo No.	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edg Present?
UTM		i							
UTM									
UTM			4-11-11-11-11-11-11-11-11-11-11-11-11-11						
UTM SPECIES & HABITA	AT OBSERVA	ATIONS (list spe	cies and	type of obse	ervation & in	dicate on ma	ар)		
	AT OBSERVA	ATIONS (list spe	cies and	type of obse	ervation & in	dicate on ma	ap)		
	AT OBSERVA	ATIONS (list spe	cies and	type of obse	ervation & in	dicate on ma	ap)		
	AT OBSERVA	ATIONS (list spe	cies and	type of obse	ervation & in	dicate on ma	ap)		
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	AT OBSERVA	ATIONS (list spe	ecies and	type of obse	ervation & in	dicate on ma	ap)		

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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

Project Number:	60950269		Project Name:	NLWC	
Date:	OCL. 19,2012		Field Personnel:	C. R055	
Neather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs

POLYGON DESCRIPTION

		TOPOGRAPHIC F	HISTORY	
ELC	POLYGON: 3A START TIME:	TERRACE VALLEY SLOPE	CREVICE / CAVE	D NATURAL C CULTURAL
CLASSIFICATION	END TIME:		D BLUFF	

STAND DESCRIPTION:

	LAYER	нт	CVR		S IN ORDER OF D TER THAN; >GRE		MINANCE BOUT EQUAL TO)		
1	CANOPY	2	2	whtere	m > red pin	e = eovater	4 cottonwood		
2	SUB-CANOPY								
3	UNDERSTOREY	4	1,	caster ce	easter ceten ward 75, har wardle				
4	GRD. LAYER	5-7	4	arcuro 7 N.	E. adir 7 pc	World Sp.			
SV	TCODES: 1=>25m 2=10 <ht≤25m< td=""> 3=2<ht≤10m< td=""> 4=1<ht≤2m< td=""> 6=0.5<ht≤1m< td=""> 6=0.2<ht≤0.5m< td=""> 7=HT<0.2m</ht≤0.5m<></ht≤1m<></ht≤2m<></ht≤10m<></ht≤25m<>								
ST	ANDING SNAGS:			V 510	M 10 - 24	N 25 - 50	N >50		
ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT N/O=Not observed									
			**	-NONE K-KARE	O=OCCASIONAL	A=ABUNDAN1	N/O=Not observed		
ST		PIONEER		YOUNG	MID-AGE	MATURE	OLD GROWTH		
_		PIONEER			MID-AGE				
_	AND MATURITY:	الحال		YOUNG	MID-AGE	MATURE			

Evidence of Disturbance / Notes:

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

ABUNDANCE CODES: N=NONE R=RARE O=	CCASIONAL A=ABUNDANT DE LAYER				DISTANCE	NEW PROPERTY.	
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL
TREES:							
red pine e apter contamuse Themaple	0						
rediane	12	-					
e aster contampor	12		12				
Themaple	ļ	1 "	R				
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SHRUBS:		5444 SC		4435 E.A			11.31
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	in and other decoration	THE ACCUSAGE		49	Evensue Gist, all Ly	7 E-95 - 25 House - 1 1 Inc.	
GROUND:			ZHENY	1			
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J. N. E. actor	-			H	1 111		
galdource 95			<u> </u>	0-14			
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						1	

		Quality Control:This form is complete & legible	□.
Signature:	ather floor	Signature:	
_	(Field Personnel)	(Project Manager)	

ELC Polygon: # 3	Assess	sment Type: ☑-√	/ /isual; no	access / 🛚	-Walk throu	gh feature			
Extent of Physical I	nvestigation	of Feature: Q-E	Entire / 🗖	-Partial, wall	k through p	olygon <i>(inc</i>	dicate on map)		
Reptile / Bat Hibe	ernacula Fe	□-Y [i.e. brid _i Con □-Y	/* / □-N / features the ge abutmentains pot /* / □-N /	nat would provents or culverts tential bat hil	n, no acces ide a route ur with cracks/c bernacula fo n, no acces	is (*if yes, aderground, entry points, eatures? is (*if yes,	describe in table including buried c	onerete ices or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBE	RNACULA F			7					
UTM		Feat	ture Desc	ription		Photo No	. Spp. O	bserved	l Using Feature
			***************************************		***************************************	1		W 	
Bat Roosting Fe			-Unknow th open	n, no access surroundings	s (*if yes, d	<i>lescribe in</i> icm, side-f	table below) acing cavities ~	10m hiç	gh in tree]
POTENTIAL BAT I						12 E			<u> </u>
UTM	Tree ID	Tree Spp.	DBH	Photo No.	Decay Cla	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
						4			
Stick Nests:		Cor	ntains lar Y* / 🔟-N	ge stick nest / ロ-Unknow	ts? n, no acces	ss (*if yes,	describe in tabl	e belov	1)
STICK NEST(S) ID	ENTIFIED	TID	20		I NI . C'				g v v
UTM		Tree ID	Tree	Spp.	Nest Size	Photo No	o. Spp. C	bserve	d Using Feature

Seeps/Springs/V	ernal Pools	s: Cor	ntains se	eps/springs/ / □-Unknow	vernal pools	s? ss (*if ves.	describe in table	e below	<i>(</i>)
SEEP / SPRING / V	ERNAL POO				111	ļ., J.			,
UTM	Fea	ture No. & Type	Feature (Diame	1 1/0	ter Depth	Photo No	Sub/Emergen Spp. Prese		Shrubs/ Logs at Edge Present?
		***************************************	41-144-11-144-11-14-1-14-1-1-1-1-1-1-1-					······································	
					- 4				
SPECIES & HABIT	AT OBSERV	ATIONS (list spe	cies and	type of obser	vation & in	dicate ou n	an)		
				-, pe or obser			.шр)		
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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**

Juliucu					
Project Number:	60950269		Project Name:	NFWC	
Date:	oct 19,7	012	Field Personnel:	CIR055	
Veather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):

POLYGON DESCRIPTION

		TOPOGRAPHIC F	HISTORY	
ELC POLYGON: 2	POLYGON: 3B	☐ LACUSTRINE ☐ RIVERINE	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR	MATURAL ☐ CULTURAL
COMMUNITY	START TIME:	D WELL OLD L	D ROCKLAND D BEACH / BAR D SAND DUNE	2002101012
DESCRIPTION & CLASSIFICATION	END TIME:	ETABLELAND I ROLL. UPLAND I CLIFF	D BLUFF	

STAND DESCRIPTION:

STAND DESCRIPT	ION:										
LAYER	нт	CVR			DECREASING DON EATER THAN; = AB						
1 CANOPY	2	4	Redoak =	Redoak = Sugar mobile > American beech							
2 SUB-CANOPY		1									
3 UNDERSTOREY	4	3	Bluebeed	- > ribaba	IL grage	NI meadousu					
4 GRD. LAYER	5-7		Ziazano	delaroc	J '						
IT CODES: 1=>25m 2=10 3=2 4=1 4=1 4=1 4=0.5 5=0.5 6=											
STANDING SNAGS:			<10	10 – 24	25 – 50	>50					
BUNDANCE CODES:		ħ	=NONE R=RARE	O=OCCASIONAL	A=ABUNDANT N	I/O=Not observed					
STAND MATURITY:	PIONEE	₹	YOUNG	MID-AGE	MATURE	OLD GROWTH					
VEGETATION TYPE: Oak-maple decideds Forest CODE: FOD9-1											
Buttenlashthicket code: Swt 2-4											
Evidence of Distu	rbance /	Notes:		7							

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 2 4 TREES: 2-0 SHRUBS: GROUND:

Signature: Olog Mr. M. 1903 (Field Personnel)	Quality Control:This form is complete & legible . Signature:
(Field Personnel)	(Project Manager)
	vroadside-etc-woodland-wildlife-habitat-form.docx / (DERIVED FROM LEE <i>ET AL.</i> ., 199

ELC Polygon: #3B	Asses	sment Type: 🗹	-Visual; no	access / D	1-Walk throu	igh feature			
Extent of Physical Inv	estigation	of Feature:	-Entire / □	I-Partial, wa	alk through p	olygon <i>(inc</i>	dicate on map)		
Reptile / Bat Hiber	nacula F	i ji bri Co	-Y* / □-N. 2. features the deer abutment ontains portains portai	/ ☑-Unknov hat would pro ents or culvert tential bat h / ☑-Unknov	wide a route un s with cracks/ hibernacula f	is (*if yes, onderground, entry points, features? is (*if yes, o	describe in table including buried c	onerete /iccs or i	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBERN	NACULA I								
UTM		Fe	ature Desc	ription		Photo No	. Spp. O	bserve	d Using Feature
Bat Roosting Feat	ures:	Contains pote □-Y* / □-N / [i.e. tall trees	₫-Unknov	vn, no acce	ss (*if yes, d		table below)	10m hid	ah in treel
POTENTIAL BAT RO	OSTING						892		
UTM	Tree ID	Tree Spp.	DBH	Photo No.	Decay Cl	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
								33	
Stick Nests:		C	ontains laı I-Y* / □-N	rge stick ne	sts? wn, no acces	ss (*if ves.	describe in tabl	e belov	v)
STICK NEST(S) IDEN	TIFIED							<u></u>	
UTM		Tree ID	Tree	Spp.	Nest Size	Photo No	o. Spp. C	bserve	d Using Feature
									85
Seeps/Springs/Ver			I-Y* / □-N	/ 🗗-Unknow	s/vernal pool wn, no acces	s? ss (*if yes,	describe in tabl	e belov	v)
SEEP / SPRING / VER	RNAL POO	DL FEATURE(S				T			
UTM	Fea	iture No. & Type	e Feature (Diam	1 100	ater Depth	Photo No.	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
A CONTRACTOR OF THE CONTRACTOR									
SPECIES & HABITA	ΓOBSERV	ATIONS (list s	pecies and	type of obse	ervation & in	dicate on m	іар)		
									-
									,
CA=earcass: DP=distinct	ive parts: Fl	=leeding evidenc	e; FY=eggs	/nest: HO=ho	use/den; OB=c	observed: SC	=scat; SI=other si	gn; TK=	track: VO=vocalization



Project Study Area
Interconnector Study Interconnector Study Area

Signed Property

Potential Signed Property 120m Zone of Investigation Additional Survey Area

ELC Boundary

Tap-in Location * Potential Transformer Station Location Junction Box

Proposed Turbine Location

Turbine Blade Length

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 t7N).
- Base features produced under license with the Ontario Ministry of Natural Resources € Queen's Printer for Ontario, 2011.
- Orthoirmagery source: First Base Solutions, Date Spring 2010.



Niagara Region Wind Corporation Natural Heritage Assessment Report

Figure No. X.3

> **Potential Additional Survey Areas** Figure X.3

COMMUNITY	SURVEY	OD/OL					ELC SIT										_
		OH(5):		DATE:		UTME:	COMMUNITY	LYGON:		0.0							
ESCRIPTION & LASSIFICATION	START:		END:		UTMZ:	UTMN:	DESCRIPTION & CLASSIFICATION SU		1(S):	CR							
OLYGON DES	CRIPTIC	N															
SYSTEM	SUBS	TRATE	TOPOGRAPHIC	HISTORY	PLANT FORM	COMMUNITY	LAYERS: 1=CANOI ABUNDANCE CODE			JB-CAI R=RAF				JND (G D =D	OMIN		
TERRESTRIAL	□ ORGA		FEATURE	□ NATURAL	PLANKTON	LAKE	SPECIES CODE	ġ .	LAYE		COLL	SPECIES CODE		LAY	ER		co
			D BWERINE	/	SUBMERGED	I POND	SPECIES CODE	1.	2	4	COLL	SPECIES CODE	1	2	3	4	
WETLAND	MINER	AL SOIL	☐ TERRACE	CULTURAL	D FLOATING-LVD.	D STREAM	whotevalor	10				tease 0	igsqcut			3-A	
AQUATIC	PAREN	IT MIN.	TABLELAND	10.75	ETFORB ELICHEN	ID™MARSH ID SWAMP	ecopor continua	Oga				goldonrodsp	igsqcurl	\longrightarrow		A	
	ACIDIC	BEDRK	, ROLL, UPLAND		BRYOPHYTE	FEN	Redoal		Y	2.1		VIE. asla		\longrightarrow		A.L	
	BASIC	BEDRK.	□ CLIFF □ TALUS		DECIDUOUS CONIFEROUS	□ BOG □ BARREN		+				Buy histle	<u> </u>	\longmapsto	\rightarrow	5	
SITE			CREVICE / CAVE		MIXED	131MEADOW						Keed (avair graps	\square	\longmapsto	\longrightarrow	AD	
OPEN WATER SHALLOW	CARB.	BEDHK.	□ ALVAR □ ROCKLAND	ETOPEN ID SHRUB		D PRAIRIE D THICKET				-	_	philople phin flat	rue_	\vdash	-	2	
WATER			□ BEACH / BAR □ SAND DUNE	D TREED		☐ SAVANNAH / ☐ WOODLAND		+		+		Hstersp:	$\vdash \vdash \vdash$	\vdash		A	_
SURFICIAL DEP. BEDROCK	·		BLUFF			FOREST		+					$\vdash \vdash$	\vdash	\dashv		_
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/R CODES:			:0% <cvr≤10% 2="10<</td"><td></td><td></td><td>130.511 7=11110.211</td><td></td><td>+</td><td>\dashv</td><td>+-</td><td></td><td></td><td>$\vdash \vdash$</td><td></td><td>\dashv</td><td></td><td></td></cvr≤10%>			130.511 7=11110.211		+	\dashv	+-			$\vdash \vdash$		\dashv		
TAND COMPOS	SITION:					BA:									\dashv	4	_
ZE CLASS ANA	ALYSIS:		<10	N 10-24	25 - 50	<i>№</i> >50		++		+			\vdash		\neg	-+	_
FANDING SNAG	SS:		R <10	N 10-24	25 - 50	>50											
EADFALL/LOGS	S:		<10	N 10-24	N 25 - 50	<i> V</i> >50											
BUNDANCE CODE	S:		N=NONE R=RA	RE 0=OCCAS	ONAL A=ABUND	ANT		$\downarrow \downarrow \downarrow$				ļ	igsqcut	igsquare		\rightarrow	
OMM. AGE:	PIO	NEER	YOUNG	MID-AGE	MATURE	OLD GROWTH		+		+			igwdapprox	$\vdash \vdash$		\dashv	
OIL ANALYSIS	S:							+	+	+			\vdash	\vdash			_
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OISTURE:			DEPTH OF ORGA	NICS:		(cm)		1 1		+	+	1			\dashv	-+	_
OMOGENEOUS	/VARIAE	LE	DEPTH TO BEDR	OCK:		(cm)		1 1	\neg	+			\vdash		\dashv	_	_
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GETATION TY	PE:	Low. 11	nousle old	old Hundan	CODE:	CMI											
INC	LUSION	CAC NA DE	The state of the s	CAN CHINAGEN	CODE:		Page of	111	1			Quality Control: This fo	rm is c	omplete	9 🗆 & 1	legible	Ο.
<u> </u>	MPLEX				CODE:		Signature:	Ther	Ro			Signature:					
vidence of Dis		e / Not			1,			(Field	ersonne	I)			(P	roject N	lanage	er)	

Stantec Consulting Ltd.

1 – 70 Southgate Drive

Woodland & Wildlife

	i = 70 Southgate Drive
	Guelph, ON
1/3	Canada N1G 4P5
	Tel: (519) 836-6050
Stantec	Fax: (519) 836-2493

Stantec	Tel: (519) 8 Fax: (519)	336-6050					Habita	t Assessi 	nent	Form
Project Number:	60950	269				Proj	ect Name:	NRWC		
Date:		per 19,201	2			Field F	Personnel:	C. Ross		
Weather Conditions:		P (°C):	WIN	D:		CLOU		PPT:		PPT (in last 24 hrs):
Todanor Gondinono.	16)	2			5%		hore	y.	rain
ELC Polygon: #2A	Assess	ment Type: 🛛-	Visual; no	access	/ 🗗	Walk throu	gh feature			
Extent of Physical Inv	estigation (of Feature: 🔟-	Éntire / 🗆	-Partial,	wall	k through p	olygon <i>(in</i>	dicate on map)		
Reptile / Bat Hiber	nacula Fe	[i.e. bric Co	Y* / 🗗 N / features th lge abutme ntains po	U-Unknut would puts or culvertial ba	nowr prov erts it hik	ide a route ui with cracks/o pernacula fo	s (*if yes, oderground. entry points, eatures?	describe in table including buried of	concrete vices or i	or rock (e.g. foundations, nactive animal burrows)]
		[i.e.	karst topo	graphy, at		oned mines o		——————————————————————————————————————		/
POTENTIAL HIBERN UTM	NACULA F.		ENTIFIE				Photo No	Spp. C	hserved	l Using Feature
								. Бри		
Bat Roosting Feator POTENTIAL BAT ROUTM			1-Unknow tith open	n, no ac surrou n d	ces: lings	s (*if yes, d	cm, side-f	table below) acing cavities ~	1	gh in tree] t and Type of Cavities
	la .								<u></u>	
Stick Nests:		Co	ntains lar Y* / ଘ-N	ge stick : / □-Unkr	nest now	ts? n, no acces	s (*if yes,	describe in tab	le belov	v)
STICK NEST(S) IDEN	TIFIED		. =							
UTM		Tree ID	Tree	Spp.		Nest Size	Photo N	Spp. 6	Observe	d Using Feature
Seeps/Springs/Ver		<u> </u>	Y* / 🗹-N	/ □-Unkr	ngs/v	vernal pool n, no acces	s? ss (*if yes,	describe in tab	le below	v)
UTM	Feat	ure No. & Type	Feature (Diame	C.O. 1	Wa	ter Depth	Photo No	Sub/Emerger Spp. Pres		Shrubs/ Logs at Edge Present?
SPECIES & HABITA	COBSERV	ATIONS (list sp	ecies and	type of ol	bser	vation & in	dicate on r	nap)		

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

REV: 2011-07-18

ELC	SITE:			POLYGON:			SILE: W									_
	SURVEYOR(S):		DATE:		UTME:		POLYGO	0,0								
COMMUNITY DESCRIPTION & CLASSIFICATION	START:	END:		UTMZ:	UTMN:	COMMUNITY DESCRIPTION & CLASSIFICATION			2012	2025						_
OLYGON DES	CRIPTION				3 2 2 N - 10 PP		OBV 40	• 011	J. Carlot		· ····································	0001	WID (0			_
SYSTEM	SUBSTRATE	TOPOGRAPHIC FEATURE	HISTORY	PLANT FORM	COMMUNITY	LAYERS: 1=CAN ABUNDANCE CO		NONE R	B-CANC =RARE		S=UNDERSTOREY 4= CCASIONAL A=ABUNI		JND (G D=D	OMIN		_
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] WETLAND	MINERAL SOIL	☐ RIVERINE ☐ BOTTOMLAND	CULTURAL	SUBMERGED FLOATING-LVD	POND RIVER	72 (1 - 2 P - 2 S S S S S	1	2 3	4	100		1	2	3	4	
		☐ TERRACE	L COLTOTAL	☐ GRAMINOID	CI STREAM	KedgaK					goldgerod Sp.		\sqcup		0	_
3 AQUATIC	D PARENT MIN.	U VALLEY SLOPE		☐ FORB	☐ MARSH ☐ SWAMP	whitepie	0		-		Iscalot Stewn		\longmapsto		A	_
	ACIDIC BEDRK.	ROLL. UPLAND		☐ BRYOPHYTE	□ FEN	red mayor	Q-1	1	-		Zig Zag golderal	<u> </u>	\vdash	\longrightarrow	A	_
- 10	BASIC BEDRK.	CLIFF TALUS	100	DECIDUOUS CONIFEROUS	☐ BOG ☐ BARREN	Signiobe	<u>B</u>				. 00			\longrightarrow		_
SITE		CREVICE / CAVE		MIXED	MEADOW	Manghin	IR		+				\longmapsto		-	_
OPEN WATER SHALLOW	CARB. BEDRK.	☐ ALVAR ☐ ROCKLAND	OPEN OSHRUB		PRAIRIE THICKET	Blackchen		10	_			-	\longmapsto			_
WATER		D BEACH / BAR	TREED		SAVANNAH	American bead		1 0	-				\vdash	\rightarrow		
3 SURFICIAL DEP. 3 BEDROCK	•	SAND DUNE			U WOODLAND	BUSSINOCK	JR	2	9				\longmapsto			_
			I		PLANTATION	grenago	<u> </u>	R					\longrightarrow	\longrightarrow		_
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3 UNDERSTO		acolorna	ld) (>>Hock che					—							-
4 GRD. LAY		Capacy	TUL been	5 / Deal Cot	7		1		+						-	_
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VR CODES:	0=NONE 1=0	% <cvr≤10% 2="10<0</td"><td>CVR<25% 3=25<cvf< td=""><td>R≤60% 4=CVR>60%</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\Box</td><td>Ξ</td></cvf<></td></cvr≤10%>	CVR<25% 3=25 <cvf< td=""><td>R≤60% 4=CVR>60%</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\Box</td><td>Ξ</td></cvf<>	R≤60% 4=CVR>60%											\Box	Ξ
STAND COMPOS	ITION:				BA:		-		-					_		_
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STANDING SNAG	is:	<10	10 – 24	25 – 50	>50											
)EADFALL/LOGS	S:	<10	10 – 24	25 – 50	>50		\perp						\sqcup		\longrightarrow	_
BUNDANCE CODE	is:	N=NONE R=RA	RE 0 =0CCASIO	ONAL A=ABUND	ANT				1		ļ					_
OMM. AGE:	PIONEER	YOUNG	MID-AGE	MATURE	OLD GROWTH	-	_						$\vdash \vdash \vdash$		\dashv	_
SOIL ANALYSIS	S:								+					\dashv	_	_
EXTURE:		DEPTH TO MOTT	LES/GLEY	g=	G=	· · · · · · · · · · · · · · · · · · ·										_
MOISTURE:		DEPTH OF ORGA	NICS:		(cm)											_
IOMOGENEOUS	/ VARIABLE	DEPTH TO BEDR	OCK:	<u>i</u>	(cm)											_
COMMUNITY C	LASSIFICATION	:														_
COMMUNITY CLA	ASS:			CODE:												_
COMMUNITY SEF	RIES:			CODE:		Blue bead		9						\neg		
:COSITE:				CODE:		rapteur		A								
/EGETATION TY	PE: Real out	- Red rante	Des Forest	CODE: PCC	R-2	gray doquer		R	b							_
INC	LUSION			CODE:	-1	Page of	11	11			Quality Control: This fo	rm is c	omplete	3 □ &	legible i	
CO	MPLEX			CODE:	1	Signature:	Se f	Personnel)	1900		Signature:	/P	roject N	Agnoc	or\	_
	sturbance / Note	s: Daths +	Travit +	Lurough at	+		Field	i eisymiel)	,			, (P	rojeti N	nanage	e1)	
Wo	DU	1.	.,	1		at North	ed	Se cl	080	10	chopered Rd					
		lage possible	y man n	rade Poo	ol of war	W:\resource\	Internal Info	and Teams\FIEL	D FORMS\	Vegetation\	ELC\elc-woodland-wildlife-habitat-fo	m.docx /	(DERIVE	D FROM	LEE ET A	۳.

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Bat Roosting Features:

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

Woodland & Wildlife Habitat Assessment Form

Stantec	Fax: (519) 836-6050				
Project Number:	60950269		Project Name:	NRWC	
Date:	october 19,201	1	Field Personnel:	C. Ross	
	TEMP (°C):	WIND:	CLOUD	DDT:	PDT (in last 24 hrs)

Weather Conditions.	16	L	5%	note	rain
ELC Polygon: #28	•		ess / 🗓-Walk through feat		
Extent of Physical Inve	stigation of Featu	re: 🛛-Entire / 🗗-Parti	ial, walk through polygon ally area to east g	(indicate on map) Unapand Rd.alla	and
Reptile / Bat Hiberna	acula Features	i.e. features that worbridge abutments or	I reptile hibernacula featur nknown, no access (*if ye uld provide a route undergroun culverts with cracks/entry poin I bat hibernacula features	es, describe in table be nd, including buried concre nts, exposed rock crevices	ete or rock (e.g. foundation

	[i.e. karst topography, ubandone	d mines or caves]	•
POTENTIAL 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)

	☐-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										
UTM	Tree ID	Tree Spp.	DBH	Photo No.	Decay Class (1-5)	No. of Cavities	Height and Type of Cavities			

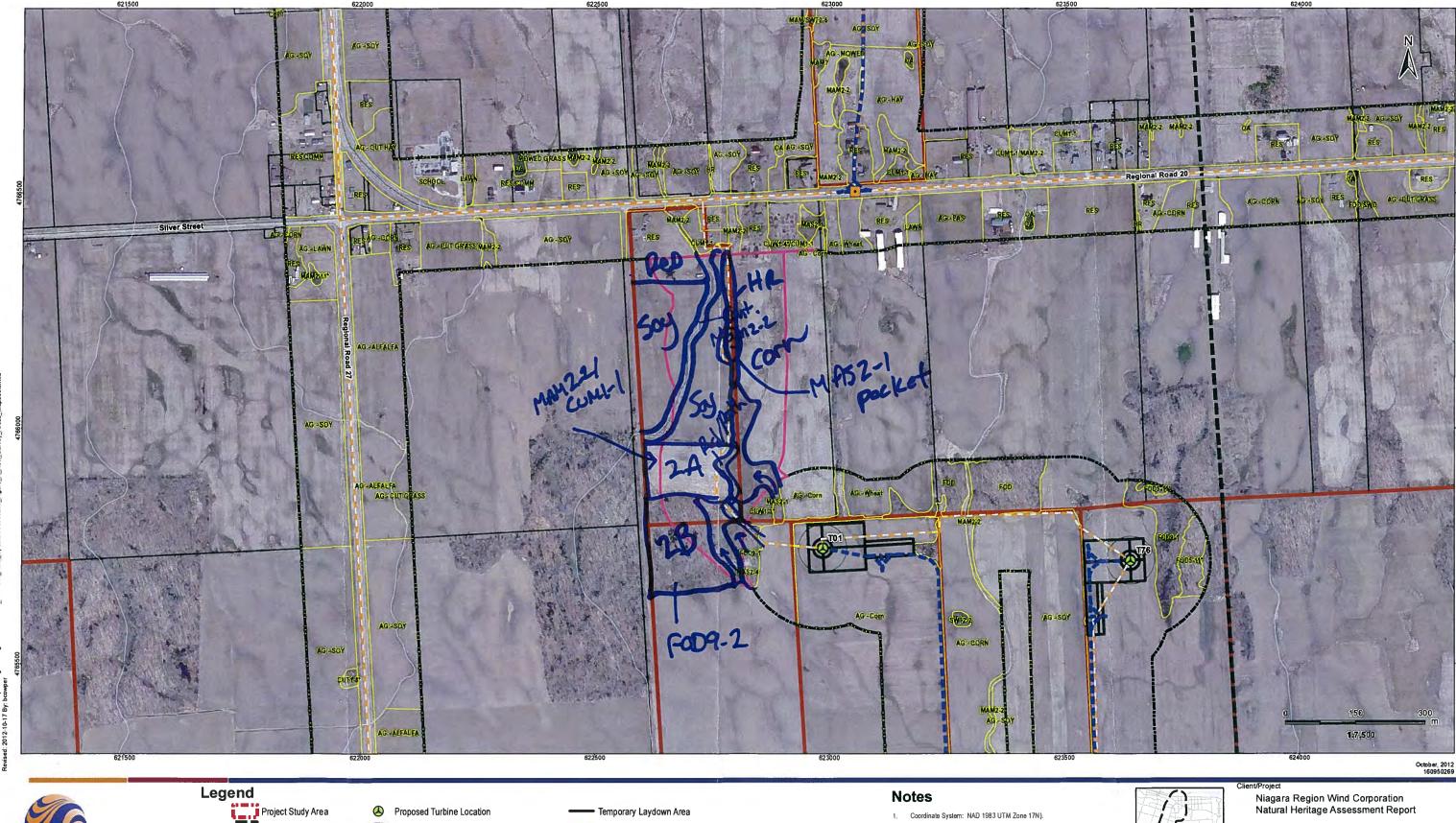
Stick Nests:	Contains large stick nests?	ess (*if yes, describe in table below)

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

	O I III	A TOU AND	Tree Spp.	I VEST DIZE	A HOLO INO.	ppp. Observed Osing readure		
			-					
,			/	.4	•			
	Seeps/Springs/Vernal P		Contains seeps/springs					
			□-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=seat; SI=other sign: TK=track; VO=vocalization





Project Study Area
Interconnector Study Interconnector Study Area Signed Property

Potential Signed Property 120m Zone of Investigation Additional Survey Area ELC Boundary

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

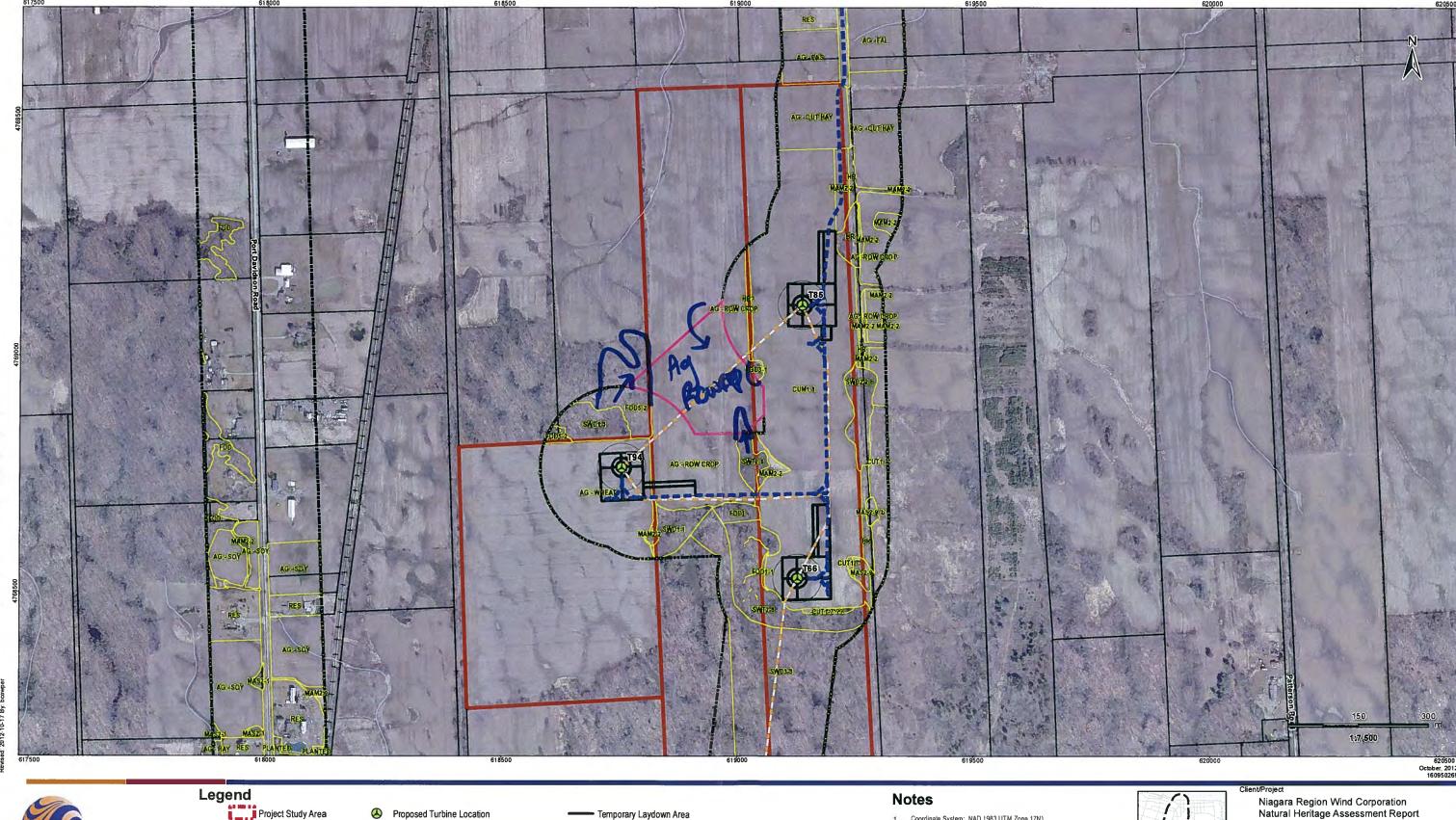
Potential Construction Laydown Area Transformer Substation

- 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.



Figure No.

X.2



Collector Lines – Underground or Overhead

Potential Construction Laydown Area

---- Fibre Optic Line

■ ■ Potential Access Road

Transformer Substation



Project Study Area Interconnector Study Proposed Turbine Location Interconnector Study Area Turbine Blade Length Signed Property

Potential Signed Property

120m Zone of Investigation

Additional Survey Area

ELC Boundary

Tap-in Location

* Potential Transformer Station Location

Junction Box

Preferred Transmission Line Route

Potential Alternative Transmission Line Routes

- 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.



Niagara Region Wind Corporation Natural Heritage Assessment Report

Figure No. X.1

16	
16	
Stante	

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					
Project Number:	C095026	1	Project Name:	NEWC	
Date:	october	01,2012	Field Personnel:	CiRoss	
	TEMP (°C):	WIND:	CLOUD;	PPT;	PPT (in last 24 hrs):
ther Conditions:	9	1-7	50/0	me	rail

POLYGON DESCRIPTION

		TOPOGRAPHIC F	EATURE	HISTORY
ELC	POLYGON: START TIME: END TIME:	☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	D NATURAL

TAND DESCRIPTION:

LAYER	нт	CVR	(>>MUC		S IN ORDER OF TER THAN; >GF				
CANOPY	2	4	Red	she					-
SUB-CANOPY									
UNDERSTOREY									
GRD. LAYER									
T CODES: VR CODES:					n 4=1 <ht≤2m <b="">5= 'R≤25% 3=25<cv< td=""><td></td><td>,</td><td></td><td></td></cv<></ht≤2m>		,		
TANDING SNAGS:			<	10	10 – 24		25 – 50		>50
BUNDANCE CODES:		N	=NONE	R=RARE	O=OCCASIONA	. A=	ABUNDANT	N/O=N	lot observed
TAND MATURITY:	PIONEER		YOUNG		MID-AGE		MATURE		OLD GROWTH
EGETATION TYPE:	Red 1	Pike	cult	tiral	plantation	COI	DE: CUF	3	1
COMPLE	Х					CO	DE:	111	i i
-									

vidence of Disturbance / Notes:

SPECIES CODE LAYER DISTANCE FROM R 1 2 3 4 55 m >5 m REES: Ped pine Tree pine	COLL
TREES:	
red pine D	
SHRUBS:	
	\top
GROUND:	8 84.5

Signature: flatte floor	Quality Control:This form is complete & legible Signature:
(Field Personnel)	(Project Manager)

ELC Polygon: #5 A	-	sment Type: ☑-\					-			
Reptile / Bat Hiber		eatures: Cor [i.e. brid Cor	ntains po /* / □-N features to ge abuting ntains po /* / □-N	tential r / [3-Unl hat would hats or cu tential t	eptile knowi I prov Iverts pat hil	hibernacul n, no acces ide a route ur with cracks/coernacula fo	la features is (*if yes, inderground, entry points, eatures? is (*if yes,	? describe in table including buried c	oncrete rices or i	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBER	NACULA I					VIVO IIIIIO.				
UTM		Fea	ture Desc	ription			Photo No	. Spp. O	bserve	d Using Feature
_				1 1 1	14					
Bat Roosting Feat			-Unknov ith open	vn, no a surrour	cces	s (*if yes, d		table below) acing cavities ~	10m his	gh in tree]
POTENTIAL BAT ROUTEM	Tree ID	Tree Spp.	DBH	Photo	No	Decay Cla	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
	1	Tree oppi		T HOLO		Detay Ci	133 (1 3)	THOI OF CAPITIES	Heigh	Land Type of Cavilles
									П	
				/			<u>_</u>			
Stick Nests:			ntains laı Y* / □-N				se (*if ves	describe in tabl	e helov	v)
STICK NEST(S) IDE	YTIFIED			7 413 () ()	NI IOW	11, 110 00000	, , , , , , , , , , , , ,	ucochoc in tabi	0 00/01	·/
UTM		Tree ID	Tree	Spp.		Nest Size	Photo N	o. Spp. (Observe	d Using Feature
Seeps/Springs/Ve	rnal Pool	s: Co	ntains se Y* / □-N	eps/spi	ings/	vernal pools	s? ss (*if yes,	describe in tabl	e belov	v)
SEEP / SPRING / VEI	RNAL POC	L FEATURE(S)					1			
UTM	Fea	ture No. & Type	Feature (Diam	i	Wa	ter Depth	Photo No	Sub/Emerger Spp. Prese	_	Shrubs/ Logs at Edge Present?

			Ц							
SPECIES & HABITA	T OBSERV	ATIONS (list spe	cies and	type of	obser	vation & in	dicate on r	nap)		
				-5 F						
										T.
CA=carcass: DP=distinct	ive parts: Fb	=feeding evidence:	FY=eggs	/nest: HC)=hou	se/den; OB=c	observed: S	C=scat; SI=other s	ign: TK	=track: VO=vocalization

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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**

Stantec	
Jeanner	

Project Number: Project Name: 60950269 ortober 19,2012 Field Personnel:

	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs
ather Conditions:	12	2	100%	have	rain

POLYGON DESCRIPTION

SPECIES IN ORDER OF DECREASING DOMINANCE

		TOPOGRAPHIC F	EATURE	HISTORY
ELC	POLYGON: SB	RIVERINE	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR	□ NATURAL □ CULTURAL
COMMUNITY DESCRIPTION &	START TIME: END TIME:	- BOTTOMLAND - TERRACE - VALLEY SLOPE - TABLELAND	☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE	LICOLTORAL
CLASSIFICATION	END TIME:	CLIFF	D BLUFF	

TAND DESCRIPTION:

LAYER	нт	CVR	4	ES IN ORDER OF D TER THAN; >GRE		MINANCE ABOUT EQUAL TO)
CANOPY	5:7	2	Reed Can	any grows) Coulder	: QE
SUB-CANOPY		-		-0 J		. ` ` `
UNDERSTOREY	3-4	3	Between	55h-79.	an dogue	ood . /
GRD. LAYER	2	4	Saeix	> Silver n	reible	\mathcal{L}
T CODES: 1=>25m 2=10 <ht≤25m< th=""> 3=2<ht≤10m< th=""> 4=1<ht≤2m< th=""> 5=0.5<ht≤√m< th=""> 6=0.2<ht≤0.5m< th=""> 7=HT<0.2m VR CODES: 0=NONE 1=0%<cvr≤10%< th=""> 2=10<cvr≤25%< th=""> 3=25<cvr≤60%< th=""> 4=CVR>60% N/O=not observed</cvr≤60%<></cvr≤25%<></cvr≤10%<></ht≤0.5m<></ht≤√m<></ht≤2m<></ht≤10m<></ht≤25m<>						
TANDING SNAGS:	1		R <10	10-24	N 25 - 50	<i>N</i> >50
BUNDANCE CODES:		N	=NONE R=RARE	0=0C@ASIONAL	A=ABUNDANT	N/O=Not observed
TAND MATURITY: PIONEER YOUNG MID-AGE MATURE OLD GROWTH						
Red angus headow hours. CODE: MANZ-2						

vidence of Disturbance / Notes:

COMPLEX

4	button	bush	mineral	thicket-	Swamp	inclusion

CODE:

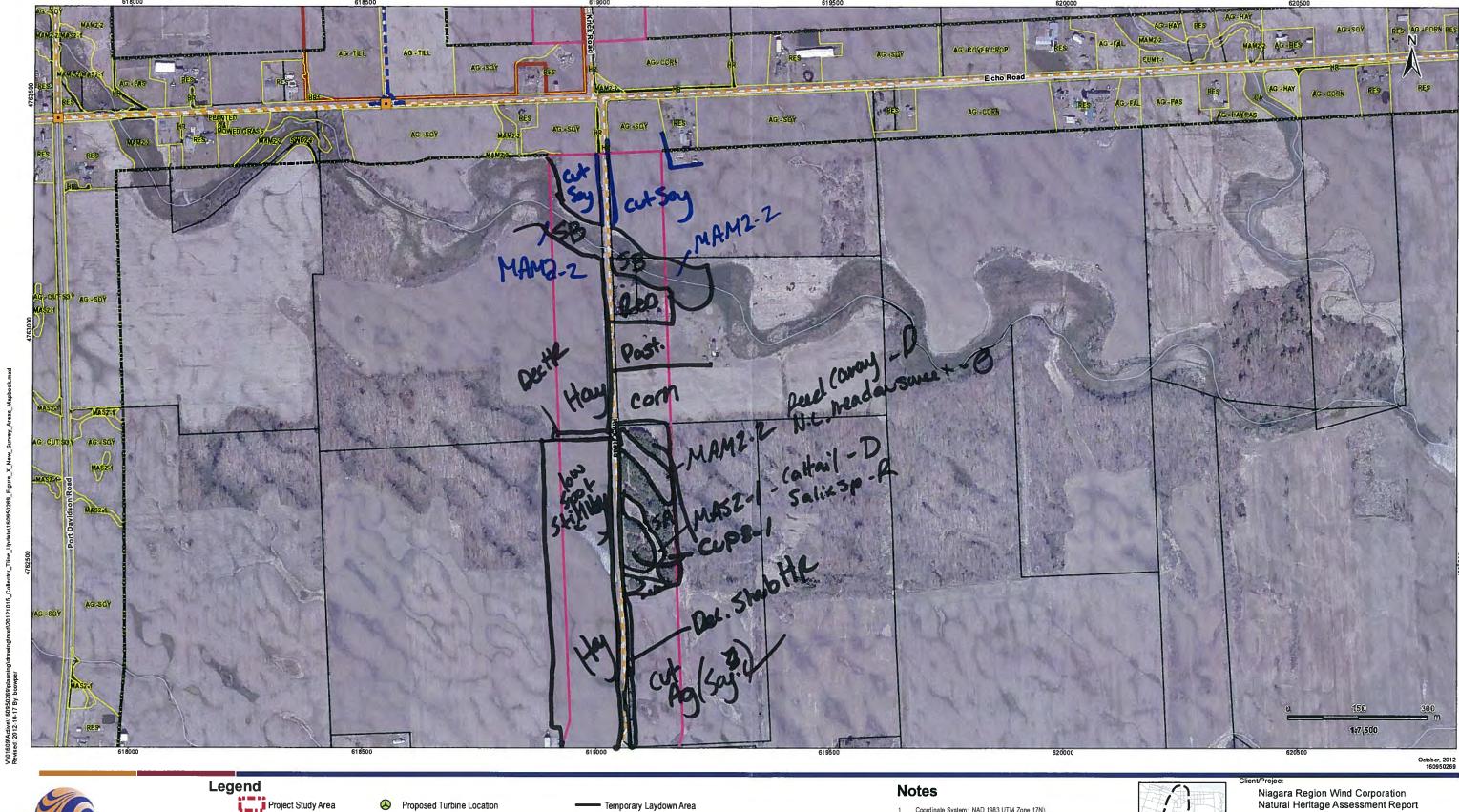
LAYERS: 1=CANOPY > 10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER ARIINDANCE CODES: N=NONE R=RARE Q=OCCASIONAL A=ARIINDANT D=DOMINANT N/Q=Not observed

LAYER DISTANCE FROM RD.				(700) Testino (70)		
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Signature:	Elle tu Kero	Signature:
•	(Field Personnel)	(Project Manager)

ELC Polygon: #5P	<u>, </u>	ssment Type: 四-\					_	dicate on map)			
Reptile / Bat Hiber	nacula F	□-` [i.e. brid Cor □-`	Y* / □-N features toge abutmontains po Y* / □-N	/ 🗹-Unithat would tents or enter tential if / 🗹-Unithat	knowi d prov ilverts pat hil knowi	ide a route un with cracks/c pernacula fe	s (*if yes, onderground, entry points, eatures? s (*if yes, o	describe in table including buried c	onerete ices or i	or rock (e.g. foundations nactive animal burrows)]	
POTENTIAL HIBER	NACULA	FEATURE(S) IDI	ENTIFIE	D			,				
UTM		rea	ture Desc	cription			Photo No.	Spp. O	Spp. Observed Using Feature		
Bat Roosting Feat		Contains poter □-Y* / □-N / □ [i.e. tall trees w	I-Unknov ith open	wn, no a surroui	acces	s (*if yes, de	escribe in i cm, side-fa	table below) acing cavities ~	10m hiç	gh in tree]	
POTENTIAL BAT ROUTE	Tree ID		DBH	Photo	No.	Decay Cla	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities	
	11111	тес эрр.		Tillotto	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Decay Cu	.55 (1-5)	rio. of Carities	ricign	t and Type of Cavities	
Stick Nests:	1	Co	ntains la	rae stic	k neet	l e2					
			Y* / □-N	/ 2 -Un	know	n, no acces	s (*if yes,	describe in tabl	e belov	v)	
STICK NEST(S) IDE	YTIFIED	T ID	T			N. 46*	DI 4 N		N .=		
UTM		Tree ID	1 ree	e Spp.		Nest Size	Photo No	. Spp. C	Dserve	d Using Feature	

Seeps/Springs/Ve	rnal Poo	ls: Co	ntains se	eps/spi	rings/	vernal pools	s?	describe in tabl	o holov	vA	
SEEP/SPRING/VEI	RNAL PO				KIIOW	11, 110 acces	55 (11 yes,	describe in tabl	e Delov	,	
UTM	Fe	ature No. & Type	Featur (Diam		Wa	ter Depth	Photo No.	Sub/Emerger Spp. Prese	_	Shrubs/ Logs at Edge Present?	
			***************************************	***************************************							
	-										
SPECIES & HABITA	T OBSER	VATIONS (list spe	ecies and	type of	obser	vation & inc	dicate on n	ıap)			
CA=carcass: DP=distinct	ive parts: F	E=feeding evidence:	FY=eggs	/nest: H0)=hou	se/den: OB=c	observed: SC	=scat; Sl=other s	ign: TK	-track: VO=vocalization	





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

- Coordinate System: NAD t983 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, Oate Spring 2010.

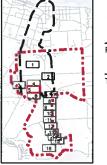


Figure No.

X.5

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1/2	

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

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

Sta	ımi	hor

Project Number:

NAWC Project Name: Date: Field Personnel: C. ROSS

2

TEMP (°C): Neather Conditions:

WIND: Olo Choup

PPT: PPT (in last 24 hrs): Rain have

POLY	GON	DESCRIPTION

		TOPOGRAPHIC F	EATURE	HISTORY
ELC COMMUNITY	POLYGON: 6- A START TIME: END TIME:	☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND	CREVICE / CAVE	ENATURAL □ CULTURAL

STAND DESCRIPTION:

	LAYER	нт	CVR	SPECIES IN ORDER OF DECREASING DOMINANCE (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO)
1	CANOPY	12-3	ત્રે	Scots pine = white prine 7 green and
2	SUB-CANOPY			
3	UNDERSTOREY			
4	GRD. LAYER	5-7	4	Cartine Theo commy grass > NL Cartail
	CODES: R CODES:		2=10 <h< th=""><th>HS25m 3=2<ht≤10m 4="1<HT≤2m" 5="0.5kHT≤1m" 6="0.2<HT≤0.5m" 7="HT<0.2m<br">CVR≤10% 2=10<cvr≤25% 3="25<CVR≤60%" 4="CVR">60% N/0=not observed</cvr≤25%></ht≤10m></th></h<>	HS25m 3=2 <ht≤10m 4="1<HT≤2m" 5="0.5kHT≤1m" 6="0.2<HT≤0.5m" 7="HT<0.2m<br">CVR≤10% 2=10<cvr≤25% 3="25<CVR≤60%" 4="CVR">60% N/0=not observed</cvr≤25%></ht≤10m>

STANDING SNAGS: 25 - 50NIO <10 10 - 24>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: Cattail Shallow nous CODE: MASZ-COMPLEX CODE:

Evidence of Disturbance / Notes:

RWBB

4=GROUND (GRD.) LAYER LAYERS: 1=CANOPY > 10m 2=SUB-CANOPY 3=UNDERSTOREY 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 FROM			FROM RD.	M RD.		
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
TREES:	1	0.24	a ke te	ti, a		SV N	- 54
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Signature: Cool	Han Ken	
(Fie	eld Personnel)	_

	Quality Co	ntrol:This	form is	complete		&	legible	
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Signature:

(Project Manager)

ELC Polygon: #6A	Assess	ment Type: 🖾	-Visual; no	access / 🗆	I-Walk throu	gh featur	е		
Extent of Physical Inv	estigation	of Feature: 🛚	I-Entire / 🗆	I-Partial, wa	lk through p	olygon <i>(ir</i>	ndicate on map)		
Reptile / Bat Hiber	nacula Fe	i. br C	I-Y* / □-N c. features to idge abutmontains portains portains portains	hat would pro- cuts or culverts tential bat h	In, no acces wide a route ur s with cracks/c ibernacula forn, no acces	s (*if yes, aderground entry points eatures? s (*if yes,	describe in table, including buried of	concrete vices or	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBER	NACULA F				ioned mines o	i earest			
UTM		F	eature Des	cription		Photo N	o. Spp. C	bserve	d Using Feature
Bat Roosting Feat		[i.e. tall trees	☑-Unknow with open	wn, no acces surrounding	ss (*if yes, d	<i>escribe in</i> icm, side-	i <i>table below)</i> facing cavities ~	10m hi	gh in tree]
POTENTIAL BAT RO UTM	DOSTING F	· · · · · · · · · · · · · · · · · · ·		ED Photo No.	Daggy Cl	200 (1.5)	No of Consisting	Mainh	4 and Toma of Cavities
UIM	Tree ID	Tree Spp.	DBH	Photo No.	Decay Cl	ass (1-5)	No. of Cavities	Heigh	t and Type of Cavities
Stick Nests:		C	ontains la J-Y* / □-N	rge stick nes / Ø-Unknov	sts? vn, no acces	ss (*if yes,	, describe in tabi	e belov	v)
STICK NEST(S) IDEN	NTIFIED	Tree ID	Tro	e Spp.	Nest Size	Photo N	Spp. 6)beause	ed Using Feature
CINI		TICCID	110	շրբ.	Nest Size	Filoto	ю. зрр. с	Juserve	a Using Feature

Seeps/Springs/Ve]-Y* / □-N				, describe in tabl	e belov	v)
SEEP/SPRING/VEI			Footur	o Sizo			Sub/Emerger	ıt Veg.	Shrubs/ Logs at Edge
UTM	Feat	ture No. & Typ	e (Dian	1 00	ater Depth	Photo No	o. Spp. Preso		Present?

SPECIES & HABITA	T ORSEDV	ATIONS (list a	naciae and	type of obce	ryation & in	dicata an	man)		
DI LCIES & HABITA	1 ODSERV	ATTOMO (list s	pecies and	type of obse	I vation & in	dicate on	шар)		

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 Cons 1 – 70 Southgr Guelph, ON Canada N1G Tel: (519) 836- Fax: (519) 836	ate Dnv 4P5 6050		Woodla	oadside EL0 nd & Wildlife sessment Fo	Habitat
Project Number:	60950	2501		Project Name:	NPUX	
Date	GCL	19	2012	Field Personnel:	Cifes	5
Weather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT: Vare	PPT (in last 24 hrs):
				POLYGON DES	CRIPTION	
				TOPOGRAPHIC F	EATURE	HISTORY
ELC	POLYGON: START TIME END TIME:	(G -	В	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	IZNATURAL □ CULTURAL
STAND DESCRIP	TION:					
LAYER	нт	CVR			DECREASING DOM EATER THAN; = AB	
1 CANOPY	2	4	red cak 7	Sugarmer	le Janean	ano
2 SUB-CANOP	<u> </u>) (J	
3 UNDERSTORE		255	riverbank	arcipe 74,0	m dagwas	c
4 GRD. LAYER			NIO,	0 , 3	7 ,	
HT CODES:	1=>25m 0=NONE				.5 <ht≤1m <b="">6=0.2<ht≤ 560% 4=CVR>60% N</ht≤ </ht≤1m>	
STANDING SNAGS	: Jee		<10	Ø 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	redoat	-5	Lan wound	e Dec. Forest	CODE: FOD9-1	

CODE:

Evidence of Disturbance / Notes:

COMPLEX

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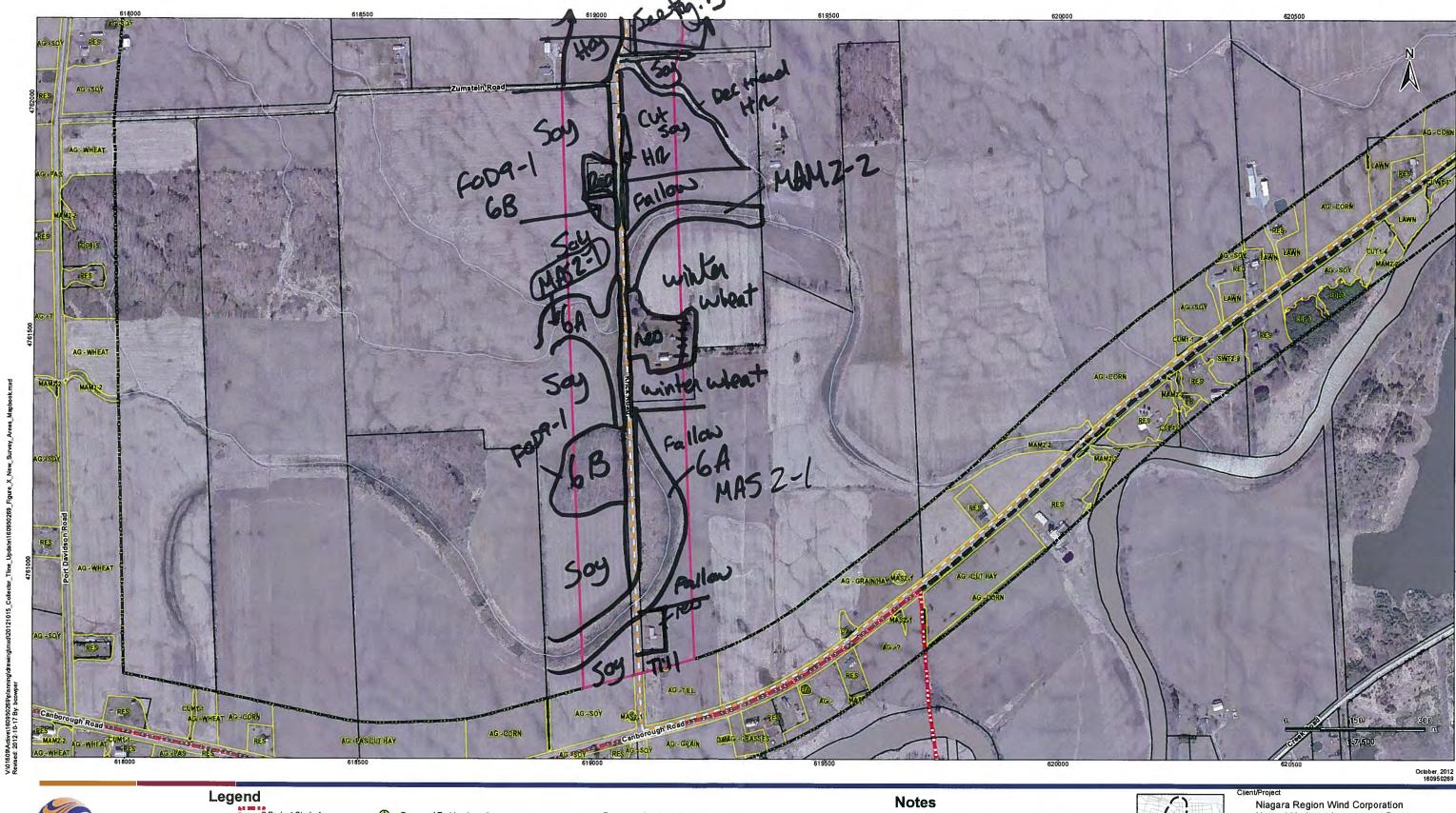
LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER

ABUNDANCE CODES: N=NONE R=RARE 0=OCCASIONAL A=ABUNDANT D=DOMINANT N/0=Not observe

ABUNDANCE CODES: N=NONE R=RARE O=	JOONOR	LA'	YER		DISTANCE	FROM RD.	100000
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL
TREES:		g at					
ned oak	A						
Sugar maple white of	0						
white ork	2						
greonasa	2-0						
green assa bassarrag	R						
SHRUBS:			85.07				
gray dogwood fiverbank graph.			B	ļ			
Fible bank grapes			A				
GROUND:	EE SHE						

Signature:	Chaffen Mar	Quality Control:This form is complete ☐ & legible ☐. Signature:
	(Field Personnel)	(Project Manager)

ELC Polygon: $\frac{\# GB}{}$	Assess	ment Type: 떱	-Visual; no	access / 🗖	-Walk throu	gh feature	•		
Extent of Physical Inv	estigation (of Feature: 🚨	-Entire / □	I-Partial, wal	k through p	olygon <i>(in</i>	dicate on map)		
Reptile / Bat Hiberi	nacula Fe	[i. br Ci	-Y* / □-N c. features thidge abutine ontains po -Y* / □-N	hat would provents or culverts tential bat hi	n, no acces ride a route un with cracks/c bernacula fo n, no acces	s (*if yes, nderground, entry points, eatures? is (*if yes,	describe in table	onerete ices or	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBERN	ACULA F	EATURE(S) II	DENTIFIE	D					
UTM		Fe	eature Desc	cription		Photo No	o. Spp. O	bserve	d Using Feature
Bat Roosting Feat			ゴ -Unknov with open	vn, no acces surrounding	s (*if yes, d		table below) acing cavities ~	10m hi	gh in tree]
POTENTIAL BAT RO UTM	OSTING F	Tree Spp.	DENTIFIE DBH	Photo No.	Decay Cla	acc (1-5)	No. of Cavities	Haigh	t and Type of Cavities
		Tree Spp.			Decay Ca	33 (1-3)	No. of Cavilles	Heigh	t and Type of Cavities
Stick Nests:		C	ontains la l-Y* / □-N	rge stick nes / 🗹-Unknow	its? /n, no acces	ss (*if yes,	describe in tabl	e belov	v) -
STICK NEST(S) IDEN UTM		Tree ID	Т	Spp.	Nest Size	Photo No			d Using Feature
							Spring		d comp remare
Seeps/Springs/Ver			I-Y* / □-N		/vernal pool: /n, no acces	s? ss (*if yes,	describe in tabl	e belov	v)
UTM		ure No. & Typ	Footur	e Size	nter Depth	Photo No	Sub/Emergen		Shrubs/ Logs at Edge Present?
SPECIES & HABITAT	Γ OBSERV.	ATIONS (list s	pecies and	type of obse	rvation & in	dicate on n	nap)		
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Project Study Area
Interconnector Study Proposed Turbine Location Turbine Blade Length Interconnector Study Area Signed Property

Potential Signed Property

120m Zone of Investigation

ELC Boundary

Additional Survey Area

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 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.



Niagara Region Wind Corporation Natural Heritage Assessment Report

Figure No.

X.6

	10	Stantec Con 1 70 South Guelph, ON Canada N10	gate Driv			oadside EL0 nd & Wildlife	•
_		Tel: (519) 836 Fax: (519) 83	5-6050			sessment Fo	
	Project Number:	60950	269		Project Name:	MENIC	
	Date:	0ct1		012	Field Personnel:		
Nea	ather Conditions:	TEMP (°	C):	WIND:	CLOUD.	PPT;	PPT (in last 24
		<u> 9</u>			0%	nove	rain
					POLYGON DES	CRIPTION	
					TOPOGRAPHIC F	EATURE	HISTORY
		OLYGON:	7	Δ	LACUSTRINE DRIVERINE	☐ TALUS ☐ CREVICE / CAVE	□ NATURAL
	ELC	TART TIM	7/	7	D BOTTOMLAND	□ ALVAR	D CULTURAL
	COMMUNITY	IAKI IIM	Ε.		TERRACE VALLEY SLOPE	□ ROCKLAND □ BEACH / BAR	
DE	SCRIPTION &	ND TIME:			TABLELAND	☐ SAND DUNE	:
CL	ASSIFICATION	NO TIME.			CLIFF	□ BLUFF	
		ION:					
STA	AND DESCRIPT	IUN.		-	50 IN ODDED OF F	ECREASING DOMI	NANCE
STA	AND DESCRIPT	нт	CVR				
STA		1	CVR	(>>MUCH GREA		ATER THAN; = ABO	
1	LAYER CANOPY	нт 2	CVR	(>>MUCH GREATER	ATER THAN; >GRE		OUT EQUAL
_	LAYER	HT 2	CVR	(>>MUCH GREA	ATER THAN; >GRE		

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 IT CODES: OVR CODES: 0=NONE 1=0%<CVR≤10% 2=10<CVR≤25% 3=25<CVR≤60% 4=CVR>60% N/O=not observed **STANDING SNAGS:** MG <10 10 - 2425 - 50ABUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT N/O=Not observed STAND MATURITY: PIONEER YOUNG MID-AGE MATURE OLD GROWTH CODE: **VEGETATION TYPE:** COMPLEX CODE:

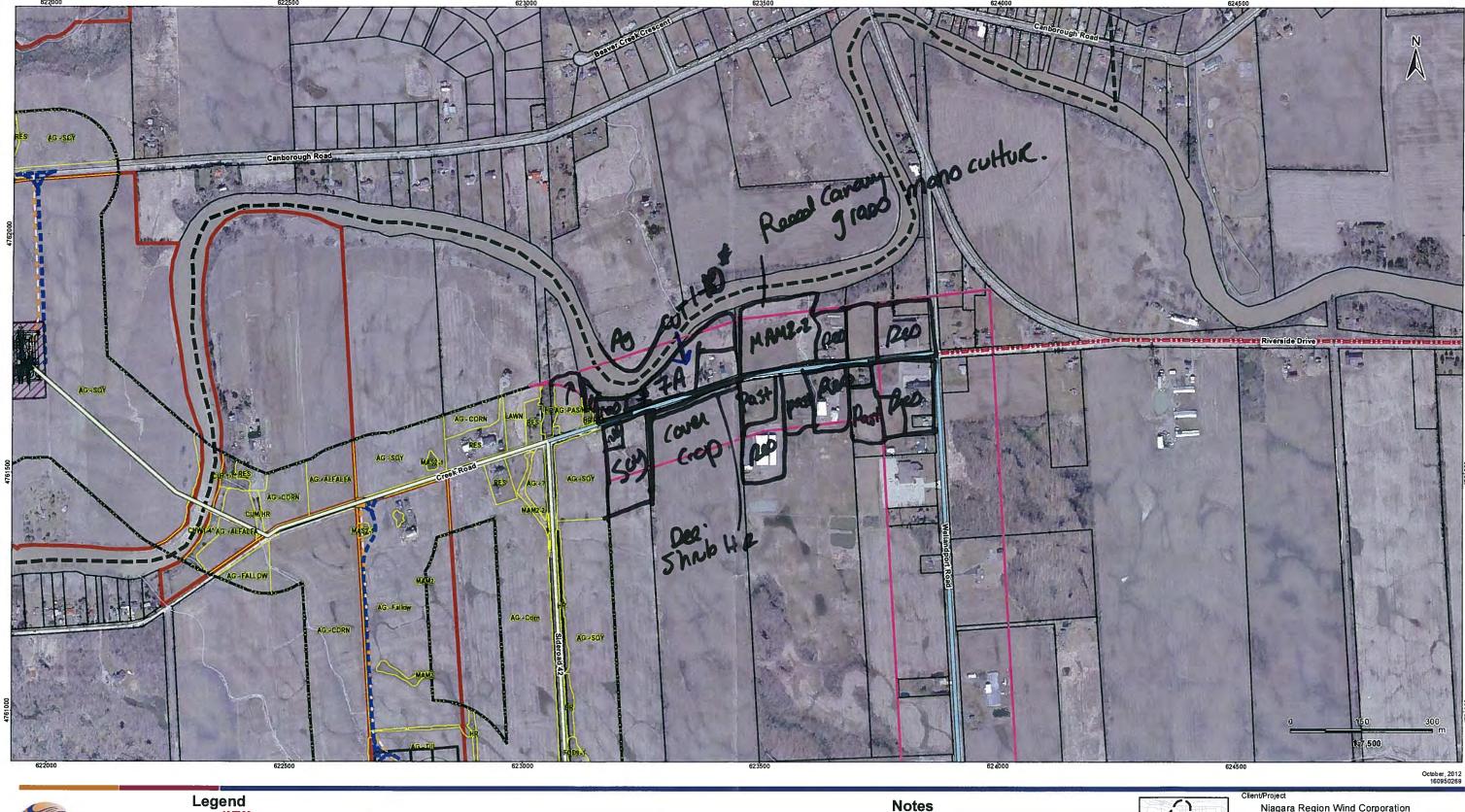
likely an old parture

Evídence of Disturbance / Notes:

LAYERS: 1=CANOPY >10m 2=SUB-CANO ABUNDANCE CODES: N=NONE R=RARE 0=	OCCASI	ONAL A	YER	IDANT E	=DOMINAN	T N/O=Not	observe
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL.
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-		(Field Pers	onnel)			(Project	Manager)	

ELC Polygon: # 7A	Asses	sment Type: 🗹-	∕ Visual; no	o acces	is / 🗆	-Walk throu	gh feature	9		
Extent of Physical Inv	estigation	of Feature: 🔲-	Entire / 🗆] -Partia	ıl, wal	k through p	olygon <i>(in</i>	idicate on map)		
Reptile / Bat Hiber	nacula Fe	□-` [i.e. bric Co □-'	·Y* / □-N , · features the dge abutme entains po ·Y* / □-N ,	/ [3-Unl that woul- ents or er otential t / [3-Unl	knowid provulverts bat hill knowi	/ide a route ur with cracks/c bernacula fe	is (*if yes, inderground, entry points eatures? is (*if yes,	describe in table, including buried of	concrete or i	or rock (e.g. foundations, inactive animal burrows)]
POTENTIAL HIBER	NACULA I					70-0	1 611.61.5			
UTM		Fea	ature Desc	cription			Photo No	o. Spp. C	bserved	d Using Feature
		······································			***************************************				<u></u>	
Bat Roosting Feat			3-Unknov with open	wn, no a surroui	acces	s (*if yes, d	escribe in	table below) facing cavities ~	10m híç	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
					7	2000	100 (2 0)	170101 541	11219	tand 1 jpv or carries
				-	***************************************				ļ	
	<u> </u>			<u> </u>		<u> </u>				
Stick Nests:		Co □.	ontains lar -Y* / ロ-N	rge stic	k nest	ts? /n, no acces	ss (*if yes,	describe in tabl	e belov	v)
STICK NEST(S) IDEN	TIFIED					,				
UTM		Tree ID	Tree	e Spp.		Nest Size	Photo N	o. Spp. ()bserve	d Using Feature
Seeps/Springs/Ver	nal Pool	s: Cc	ontains s∈	eps/sp:	rings/	vernal pools	s?	describe in tabl	e helov	νì
SEEP/SPRING/VER	RNAL POC)L FEATURE(S)	IDENTI	FIED	183114.	11, 110 0000	10 (11) 00,	dodonio in tal.	<u> </u>	2
UTM	Fea	iture No. & Type	Feature (Diam		Wa	iter Depth	Photo No	Sub/Emerger Spp. Prese		Shrubs/ Logs at Edge Present?
									#*************************************	
			<u> </u>						····	
SPECIES & HABITAT	T OBSERY	JATIONS (list sr	recies and	type of	obser	vation & inc	dicate on 1	man)		
	1 000211	Allono (00100	13 po 01	ODSU.	Vation &	unaiv ou .	iiap)		





Project Study Area Interconnector Stur Interconnector Study Area

Potential Signed Property 120m Zone of Investigation Additional Survey Area

ELC Boundary

* Potential Transformer Station Location Junction Box

Collector Lines – Underground or Overhead

---- Fibre Optic Line

Potential Access Road

Temporary Laydown Area

Potential Construction Laydown Area Transformer Substation

- 1. Coordinate System: NAD t983 UTM Zone 17N).
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- Orthoimagery source: First Base Solutions, Date Spring 2010.



Niagara Region Wind Corporation Natural Heritage Assessment Report

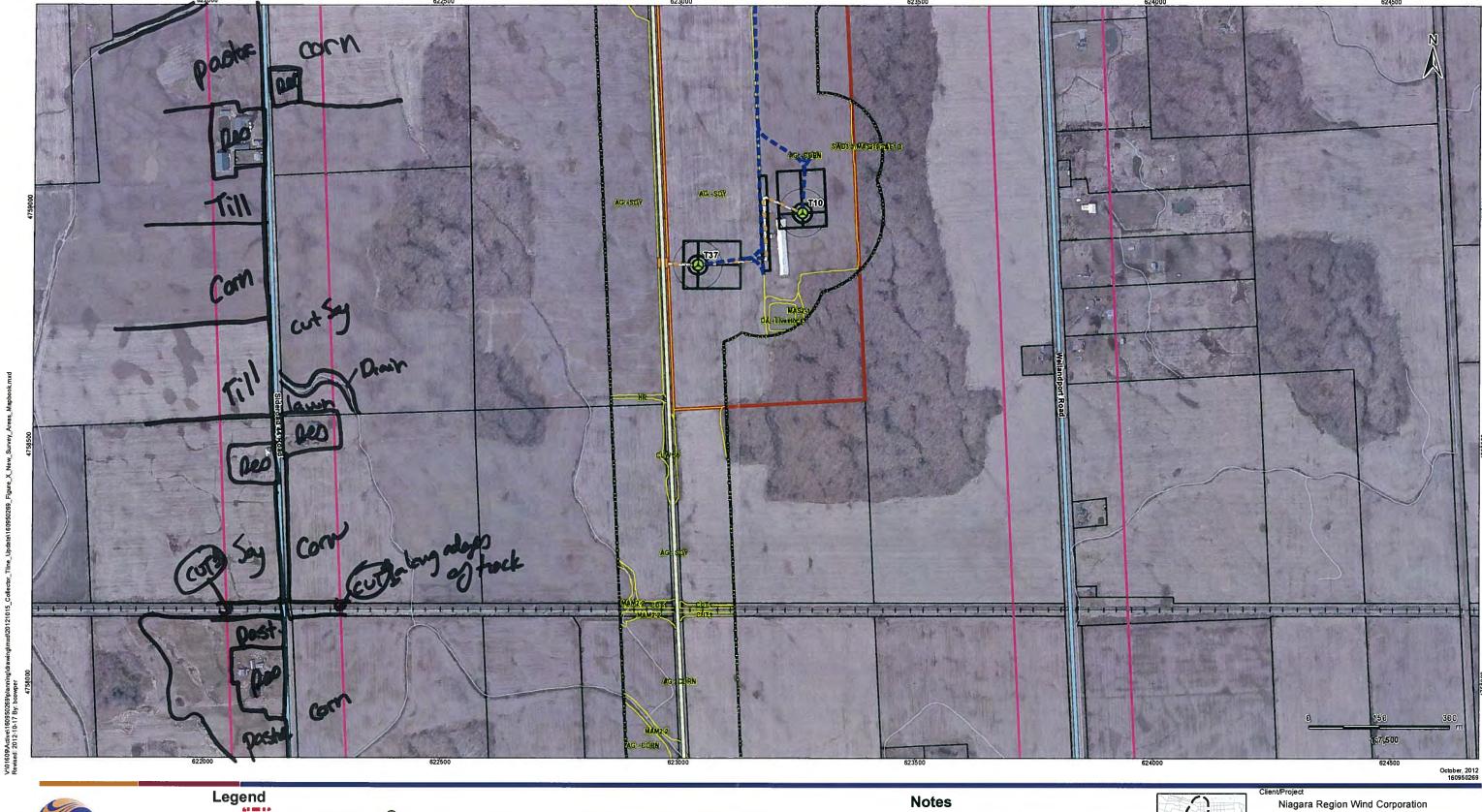
Figure No. X.7

> **Potential Additional Survey Areas** Figure X.7

Proposed Turbine Location Turbine Blade Length Tap-in Location

Preferred Transmission Line Route

Potential Alternative Transmission Line Routes





Project Study Area
Interconnector Study Interconnector Study Area Signed Property

120m Zone of Investigation Additional Survey Area

Potential Signed Property **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
- Orthormagery source: First Base Solutions, Date Spring 2010.



Natural Heritage Assessment Report

Figure No.

X.9

•••	-	_	•	_
				Stantec

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

Roadside ELC,

Woodland & Wildlife Habitat **Assessment Form**

N	Project Number:	Project Number: Coco 2209	7	Project Name: NOW	LPNU	
itions: F°C 3 (CLOUD: PPT:	Date:	actober	19,2012	Field Personnel:		
	eather Conditions:	TEMP (°C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):

		TOPOGRAPHIC FEATURE		HISTORY
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ر آ	ر م	O RIVERINE	CREVICE / CAVE	1
	CTART TIME:	ED BOTTOMLAND	I ALVAK	E CUL IURAL
相談が近日はいいのではいい		II TERRACE	LKOCKLAND	
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DESCRIPTION &	END TIME.	TABLELAND	D SAND DUNE	
LASSIFICATION END TIME.		D ROLL, UPLAND	CI BLUFF	
		O CLIFF		

TAND DESCRIPTION:

	0000	1	ę	SPECIES IN ORDER OF DECREASING DOMINANCE
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	UNDERSTOREY			
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!	CODES	1=>25m	2=10 <h< td=""><td>1=>25m 2=10<ht<25m 3="2<HT<10m" 4="1<HT<27m" 5="05<HT<71m" 6="0.2<HT<0.5m" 7="HT<0.2m</td"></ht<25m></td></h<>	1=>25m 2=10 <ht<25m 3="2<HT<10m" 4="1<HT<27m" 5="05<HT<71m" 6="0.2<HT<0.5m" 7="HT<0.2m</td"></ht<25m>

VR CODES:

TANDING SNAGS:	<10	10 – 24	25 – 50	>20
BUNDANCE CODES:	N=NONE R=RARE O=OCCASIONAL	O=OCCASIONAL		A=ABUNDANT N/O=Not observed
TAND MATURITY: PIONEER	Young	MID-AGE	MATURE	OLD GROWTH
EGETATION TYPE:	Hural machous		CODE: CUM -	
COMPLEX	Sroks Dire Cultinal		CODE: CUP3	
		MONTOPICA		
		2		

vidence of Disturbance / Notes:

inclusion labelante sedege. MAK

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
LAYER DISTANCE FROM RD.
COLL. >5 m ₩ 25 m 10 A.O. 0 ó m 7 이레 eaghirente calas Do to bold of A about FLAGORINGS PAPE LOOGICONNY, GOOD Tollabout sodoe Schlandel Sp. Scots of R washin sallow Linespore active So. GROUND: SHRUBS: TREES:

W/vesource/unternal into and Teams/FIELD FORMS/Nege latron/ELC/voadside-elc-woodland-wildlife-habitat-form.docx / (DERIVED FROM LEE ET AL., 1998)

Signature:

(Field Personnel)

Signature:

(Project Manager)

		ntures: Co		I-Partial,	wall	k through p	olygon <i>(ir</i>	ndicate on m	ap)	
Reptile / Bat Hibernac	ula Fea	itures: Co								
POTENTIAL HIBERNACULA FEATURE(S) UTM			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]							or rock (e.g. foundations, inactive animal burrows)
POTENTIAL HIBERNAC	ULA FE				, cta i ci c	med mines of	caves			
UTM		Fea	ture Desc	ription			Photo N	o. Sp	p. Observe	d Using Feature
									·····	

Bat Roosting Features	S: (Contains poter □-Y* / □-N / 0	ntial bat re	oosting fe	eatu	res?	oooribo in	table below		
		i.e. tall trees v								gh in tree]
POTENTIAL BAT ROOS	·····				r	- G	/4 #5			
UTM T	ree ID	Tree Spp.	DBH	Photo N	io.	Decay Cla	iss (1-5)	No. of Cavi	ies Heigh	t and Type of Cavities
Stick Nests:		Co	ntains la	rge stick r	nest	s?				
STICK NEST(S) IDENTIF	TED	<u> </u>	Y* / 🗆 - N	/ 🗗 Unkr	owi	n, no acces	s (*if yes,	describe in	table belov	N)
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SEEP / SPRING / VERNA	L POOL					,	. , . , ,			
UTM	Featu	re No. & Type	Feature (Diam		Wat	ter Depth	Photo N		rgent Veg. Present?	Shrubs/ Logs at Edge Present?
		***************************************						- milionos		
SPECIES & HABITAT OI	BSERVA	TIONS (list sp	ecies and	type of ol	bser	vation & inc	dicate on	map)		

Stantec	Stantec Consulting Ltd. 1 – 70 Southgate Drive Guelph, ON Canada N1G 4P5 Tel. (519) 836-6050 Fax: (519) 836-2493	Woodla	oadside EL0 nd & Wildlife sessment Fo	Habitat
Project Number:	C6950169 a	Project Name:	NRWC	
Date:	october 18/2012	Field Personnel:	C. Ross	
eather Conditions:	TEMP (°C) WIND:	CLOUD:	intermittent	PPT (in last 24 hrs):
		POLYGON DES	CRIPTION	
		TOPOGRAPHIC F	EATURE	HISTORY
COMMUNITY	POLYGON: START TIME: END TIME:	☐ LACUSTRINE ☐ PATERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL, UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAVE ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	É NATURAL □ CULTURAL
TAND DESCRIP				
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SUB-CANOP		31		1
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FANDING SNAGS:	0 <10	0 10-24	L 25 - 50	>50
BUNDANCE CODES:	N=NONE R=RA	ARE O=OCCASIONAL	A=ABUNDANT N	O=Not observed
FAND MATURITY:	PIONEER YOUNG	MID-AGE	MATURE	OLD GROWTH
EGETATION TYPE	in mineral Swamp/Shu	herap thicket	CODE: SWD2-2	1/SWTZ
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vidence of Dist	urbance / Notes:		11 1 1 1	
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BL	JA 50	y Shubby or.	to tell (ommunity
	bel	nind.		

ABUNDANCE CODES: N=NONE R=RARE O= SPECIES CODE			YER		DISTANC	FROM RD.	CONTRACT OF STREET
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LAYERS: 1=CANOPY > 10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER

Signature:

(Project Manager)

Signature:

ELC Polygon: # &A	Asse	ssment Type: া 🗆	/isual; no	access.	/ □-Walk t	hrou	ıgh featur	е		
Extent of Physical Inv	estigatio	n of Feature: □-f	Entire / □	I-Partial,	walk throu	gh p	olygon <i>(ii</i>	ndicate on map)		
Reptile / Bat Hiber	nacula I	□-` [i.e. brid Cor □-`	Y* / □-N features the geabutine po Itains po Y* / □-N	/ U-Unkn hat would p ents or culv tential ba / U-Unkn	provide a ro erts with era t hibernac	cces ute un acks/o ula f cces	ss (*if yes, nderground entry point eatures? ss (*if yes,	describe in table, including buried	concrete vices or i	or rock (e.g. foundations, nactive animal burrows)]
POTENTIAL HIBER	NACULA				andoned in	110.5	n caves ₁	н		
UTM		Fea	ture Desc	ription			Photo N	o. Spp. C	bserve	l Using Feature
		the state of the s								

Bat Roosting Feat			I-Unknov ith open	vn, no ac surround	cess (*if y			n table below) facing cavities	10m hig	gh in tree]
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Stick Nests:			ntains iai Y* / □-N	rge stick i / 🖸-Unkr	nests? nown, no a	cces	ss (*if yes	, describe in tab	le belov	()
STICK NEST(S) IDEN	TIFIED						-			
UTM		Tree ID	Tree	Spp.	Nest	Size	Photo N	lo. Spp. 6	Observe	d Using Feature
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Seeps/Springs/Ver	nal Poo	is: Co □-`	ntains se Y* / □-N	eps/sprin	gs/vernal nown, no a	pool	s? ss (*if yes	, describe in tab	le belov	<i>'</i>)
SEEP / SPRING / VER	RNAL PO	OL FEATURE(S)								
UTM	Fe	ature No. & Type	Feature (Diam	1	Water De	oth	Photo N	o. Sub/Emerge Spp. Pres		Shrubs/ Logs at Edge Present?
			=			***************************************			***************************************	

SPECIES & HABITAT	Γ OBSER	VATIONS (list spe	cies and	type of ol	servation	& in	dicate on	map)		
CA=carcass: DP=distinct	ive parts: F	E=feeding evidence:	FY=eggs	/nest: HO=	house/den;	()B=	observed: S	SC=scat; SI=other:	sign; TK=	track: VO=vocalization

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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

	Sta	1	t	ec	

leather Conditions:

Project Number: 609501

950269 Project Name: NRWC OCH 191, 2012 Field Personnel: C. Ro

TEMP (°C): WIND: CLOUD: 3

PPT: PPT (in last 24 hrs):

U% here

POLYGON DESCRIPTION

		TOPOGRAPHIC F	EATURE	HISTORY
ELC	POLYGON: 8B START TIME:	LACUSTRINE DRIVER NE BOTTOMLAND D TERRACE	CREVICE / CAVE	☑ NATURAL ☐ CULTURAL
COMMUNITY DESCRIPTION & LASSIFICATION	END TIME:		☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	

TAND DESCRIPTION:

LAYER	нт	CVR		S IN ORDER OF D TER THAN; >GRE		MINANCE BOUT EQUAL TO)	
CANOPY	2	4	Redoak	> Sugar pr	nde 7Bio	iak	
SUB-CANOPY				<u> </u>	· ·		
UNDERSTOREY	14	2	gray dozu	200cd			
GRD. LAYER	5-7	3	a down	rcl sp			
T CODES: VR CODES:	1=>25m 0=NONE			m 4=1 <ht≤2m 5="0.<br">VR≤25% 3=25<cvr≤< td=""><td></td><td></td></cvr≤<></ht≤2m>			
TANDING SNAGS:	Y/C)	<10	10 – 24	25 – 50	>50	
BUNDANCE CODES: N=NONE R=RARE O=OCCASIONAL A=ABUNDANT N/O=Not observed							
TAND MATURITY:	PIONEER	1	YOUNG	MID-AGE	MATURE	OLD GROWTH	
EGETATION TYPE:	1 oak	c-5	ugan map	e Dee Favo	CODE: FOD	9-1	
COMPLI			-		CODE:		

vidence 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

ADDITION OF THE PARTY OF THE PA	1000,1010	LA'	YER	STATE OF	DISTANC	FROM RD.	
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redical	A-D						
white pine	R						
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graydogwood			K				***************************************
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Signature:		Signature:	
•	(Field Personnel)		(Project Manager)

ELC Polygon: #&B	Asses	sment Type: 0	g -Visual; ı	no acces	ss / 🗆	-Walk throu	gh featur	е			
Extent of Physical Inv	estigation	of Feature: 0	⊒-Entire /	□-Partia	al, wal	k through p	olygon <i>(ir</i>	ndica	ate on map)		
Reptile / Bat Hibernacula Features:			Contains potential reptile hibernacula features? —Y*/—N/—Inknown, 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										
UTM		F	Ceature De	scription	1	H	Photo N	0.	Spp. O	bserved	Using Feature
Bat Roosting Feat	ures:	Contains po	tential bat	roosting	j featu	res?					
POTENTIAL BAT RO	OSTING		s with ope	n surrou	acces indings	s (*if yes, des, DBH >25	escribe in cm, side-	facii	ng cavities ~	10m hig	nh in tree]
UTM	Tree ID	Tree Spp.			o No.	Decay Cla	ass (1-5)	No	of Cavities	Height	and Type of Cavities
Stick Nests:		(Contains la □-Y* / □-I	arge stic	k nest	s? n, no acces	s (*if yes	, de:	scribe in table	e below)
STICK NEST(S) IDEN UTM	TIFIED	Tree ID	Tree Spp. Nest Siz				Photo N	To T	S 0	\hanne	I II.i France
Ulivi		Tree ID	A PO	ee Spp.		Nest Size	FROTO	10.	Spp. C	bserve	d Using Feature
									. 1486444	***************************************	
Seeps/Springs/Ver]-Y*/	1 / CT-Ur	rings/ nknow	vernal pools n, no acces	s? is (*if yes,	, de:	scribe in table	e below	·)
SEEP / SPRING / VER	NAL POO	DL FEATURE(E(S) IDENTIFIED Feature Size				Sub/Emangan			4.37	St. 1./I
UTM	Fea	ture No. & Ty	ne: .	neter)	Wa	ter Depth	Photo No.		Sub/Emergen Spp. Prese		Shrubs/ Logs at Edge Present?

SPECIES & HABITAT	Γ OBSERV	ATIONS (list	species an	d type of	obser	vation & inc	dicate on	map)		
											5 g



Project Study Area Interconnector Study Interconnector Study Area Turbine Blade Length Signed Property

Potential Signed Property 120m Zone of Investigation

Additional Survey Area ELC Boundary

Proposed Turbine Location

* Potential Transformer Station Location

Junction Box

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.



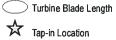
Niagara Region Wind Corporation Natural Heritage Assessment Report

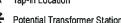
X.8

Potential Additional Survey Areas Figure X.8

Legend













Legend

Turbines in Signed Lands

Standard Turbine (105 dBA)

51 m Turbine Setback

▲ Non-Participating Receptor

▼ Participating Receptor

Proposed Collector Cable

Preliminary Study Area

Signed Property

Signed Property - Outside Study Area

Potential Signed Property

Potential Signed Property - Outside Study Area

ELC Boundary

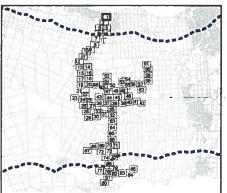
Provincially Significant Wetland

Other/Locally Significant Wetland

Property Boundary

Non-Participating Receptors 550m Setback

Turbine and Access Road 150m buffer



Coordinate System: NAD 1983 UTM Zone 17N),

Base features produced under ficense with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2011.



Stantec

Niagara Region Wind Corporation ELC Delineation

Transmission and Collector Line

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

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

PPT (in last 24 hrs):

 The state of the s	1 el. (3 13)				
Stantec	Fax: (519)				
	1 36				

Project Number: 1004507 L9 Date: Aug

Project Name: WPW(

Field Personnel: N.C

eather Conditions:

TEMP (°C): WIND: CLOUD:

POLYGON DESCRIPTION

		TOPOGRAPHIC F	EATURE	HISTORY	ĺ
ELC ST	OLYGON: - 2 ART TIME: ID TIME:	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	CREVICE / CAVE	□ NATURAL □ CULTURAL	•

TAND	DECOD	IDTION
LAND	DESCR	IP HUN

LAYER	нт	CVR	SPECIES IN ORDER OF DECREASING DOMINANCE (>>MUCH GREATER THAN; >GREATER THAN; = ABOUT EQUAL TO)
CANOPY	2	3	FRADENA / > ULMAMER
SUB-CANOPY	1.3	3	FRAPENN > ULMAMER
UNDERSTOREY	14	2	LONTART > RHACATH > CORRACE
GRD. LAYER	5-7	- 4	SOLIDAGO > DAUCARO > TYPANGU = SYMLANC
T CODES: VR CODES:	1=>25m 0=NONE	2=10 <l< th=""><th>HT≤25m 3=2<ht≤10m 4="1<HT≤2m" 6="0.2<HT≤0.5m" 7="HT<0.2m<br"><cvr≤10% 2="10<CVR≤25%" 3="25<CVR≤60%" 4="CVR">60% N/O=not observed</cvr≤10%></ht≤10m></th></l<>	HT≤25m 3=2 <ht≤10m 4="1<HT≤2m" 6="0.2<HT≤0.5m" 7="HT<0.2m<br"><cvr≤10% 2="10<CVR≤25%" 3="25<CVR≤60%" 4="CVR">60% N/O=not observed</cvr≤10%></ht≤10m>

TANDING SNAGS:	0	<10	A	10 – 24	R	25 – 50	N	>50
BUNDANCE CODES:	N=NONE	R=RARE	0=	OCCASIONAL	A=/	ABUNDANT	N/O=N	ot observ ed

TAND MATURITY: PIONEER YOUNG MID-AGE MATURE OLD GROWTH				 IOODE .	,
FAND MATURITY: II IPIONEER II YOUNG II ✓ MID-AGE II MATURE II IOLD GROWTI					
	TAND MATURITY: II	PIONEER	YOUNG	MATURE	OLD GROWT

EGETATION TYPE:	CODE:	CH111-34

COMPLEX	CODE:
	 SWD2-2/CUW1-3

vidence of Disturbance / Notes:

- whole forest - no beech - dissolve other boundaries

LAYERS: 1=CANOPY >10m 2=SUB-CANOPY 3=UNDERSTOREY 4=GROUND (GRD.) LAYER ARI INDANCE CODES: NENONE RERARE OFOCCASIONAL AFABLINDANT DEDOMINANT N/OFNot observed

ABUNDANCE CODES: N=NONE R=RARE O=		LA'	YER		DISTANC	E FROM RD.	些話程的
SPECIES CODE	1	2	3	4	≤5 m	>5 m	COLL
TREES:					2年30第5		
FRAPENN							
FRAPENN ULMAMER JUGNIGR							
JUGNIGR							
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SHRUBS:	5845		165.53	CALLS OF	10 TE 15		5,605
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RHACATH		1					
LONTART							
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GROUND:	O/Description	WESCHINES	(\$16KK) (\$165)	0.0904848	CORPORATION AND SE	0.0000000000000000000000000000000000000	(12848)(20
	eskerve	SUPPER SE	E Here		SE NORTH CO		(WILLIE
SOLIDAGO	-		-	0			
DAOLICE	-		0	10-			
DALLANA				0			
VITRIPA PARINSE DAUCARO TYPANGU CICINTY CIRVULO				R-0			
CICIATY				R			
CIRVULO				R	1		
SYMLANC				R-0		1	
, to 2					41	7 5	
						=	

1 1 1	Quality Control: This form is complete □ & legible □.
ignature: WWW WWW	Signature:
(Field Personnel)	(Project Manager)

ELC Polygon: #/\-	Asses	sment Type: 🖫-\	/ /isual; no	access / C	I-Walk throu	ugh feature	e			
Extent of Physical In	 vestigation	of Feature: Q-E	Entire / 🗆	I-Partial, wa	lk through p	oolygon <i>(in</i>	ndicate on map)			
Reptile / Bat Hiber	nacula F	[i.e. brid Cor	(* / □-N . features the ge abutmentains po (* / □-N .	/ ☑-Unknov hat would pro ents or culvert tential bat h / ☑-Unknov	vide a route u s with cracks/ ibernacula 1	ss (*if yes, nderground entry points features? ss (*if yes,	describe in table including buried of	oncrete vices or i	or rock (e.g. foundations, inactive animal burrows)]	
POTENTIAL HIBER	NACULA I			· · · · · · · · · · · · · · · · · · ·		J. C. C. C. S. J.				
UTM			ture Desc	ription		Photo No	o. Spp. C	Observed Using Feature		
Bat Roosting Feat			-Unknov ith open	vn, no acce surrounding	ss (*if yes, c		table below) facing cavities ~	10m his	gh in tree]	
UTM	Tree ID	Tree Spp.	DBH	Photo No.	Decay Cl	lass (1-5)	No. of Cavities He		leight and Type of Cavities	
					<u> </u>					
								L		
Stick Nests:		Coi	ntains lar Y* / □-N	ge stick ne: / ⊠-Unknov	sts? vn. no acce:	ss (*if ves.	describe in tabl	e belov	v)	
STICK NEST(S) IDE	NTIFIED									
UTM		Tree ID	Tree	Spp.	Nest Size	Photo N	o. Spp. (Observe	d Using Feature	
			······································							
									and a second	
Seeps/Springs/Ve	rnal Pool	s: Cor	ntains se Y* / □-N	eps/springs	/vernal pool	ls? ss (*if ves.	describe in tabl	e belov	v)	
SEEP / SPRING / VEI	RNAL POC				11	(, , , , , ,		0 00.07		
UTM F		ture No. & Type	Feature Size (Diameter)		ater Depth	Photo No	Sub/Emerger Spp. Preso		Shrubs/ Logs at Edge Present?	
					······································				The state of the s	
SPECIES & HABITA	T OBSERV	ATIONS (list spe	cies and	type of obse	rvation & in	dicate on	map)			
CA=carcass: DP=distinct	ive parts: FE	=feeding evidence:	FY=eggs/	nest: HO=ho	use/den; OB=	observed; S	C=scat; SI=other s	ign: TK	=truck: VO=vocalization	

Stantec	Stantec Con 1 – 70 South Guelph, ON Canada N10 Tel: (519) 83 Fax: (519) 83	gate Drivi 3 4P5 3-6050		Roadside ELC, Woodland & Wildlife Habitat Assessment Form						
Project Number	16090	5026	9	Project Name:	NRING	ı ı				
Date		5		Field Personnel: N.C. A. 1						
	110011			_	10.0	. 0				
leather Conditions:	TEMP (°	C):	WIND:	CLOUD:	PPT:	PPT (in last 24 hrs):				
				POLYGON DES						
VILLE STATE OF THE				TOPOGRAPHIC F		HISTORY				
ELC COMMUNITY DESCRIPTION & CLASSIFICATION	POLYGON: START TIM END TIME:	<u> </u>	3	☐ LACUSTRINE ☐ RIVERINE ☐ BOTTOMLAND ☐ TERRACE ☐ VALLEY SLOPE ☐ TABLELAND ☐ ROLL. UPLAND ☐ CLIFF	☐ TALUS ☐ CREVICE / CAV ☐ ALVAR ☐ ROCKLAND ☐ BEACH / BAR ☐ SAND DUNE ☐ BLUFF	E CULTURAL				
TAND DESCRIP	PTION:									
LAYER	нт	CVR		ES IN ORDER OF D ATER THAN; >GRE		MINANCE BOUT EQUAL TO)				
I CANOPY										
2 SUB-CANOP	PΥ									
UNDERSTOR				·····						
GRD. LAYER		Ч.		> SOLIDAG						
T CODES: VR CODES:				0m 4=1 <ht≤2m 5="0.<br">:VR≤25% 3=25<cvr≤< td=""><td></td><td></td></cvr≤<></ht≤2m>						
TANDING SNAGS	:		<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: CODE: CUM 1 - 1										
CON	IPLEX			CODE:						
vidence of Dist	urbanco / I	Votes:				^				
. Tracino or bisc	coil +	For	housin	y develous speci	prient f	illedin				

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6243.E

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

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

ELC Polygon: #/1-3	Assess	sment Type: 🖫	Visual; no	access / 🗆	I-Walk throu	ugh featur	е			
Extent of Physical Inve	estigation	of Feature: 🔲-	Entire / ⊑	I-Partial, wa	lk through p	oolygon <i>(ir</i>	ndicate on map)			
Reptile / Bat Hiberr	- t	[i.e. bric Cor [i.e.	Y* / □-N features the lge abutmontains po Y* / □-N kurst tope	hat would proents or culverts tential bat h D-Unknow graphy, abanc	In, no accestible a route us with cracks/ibernacula fin, no acces	ss (*if yes, nderground entry points features? ss (*if yes,	describe in table, including buried of	oncrete vices or	or rock (e.g. foundations, inactive animal burrows)]	
POTENTIAL HIBERN	NACULA F					Photo N		_		
UIM	UTM Fea			ature Description			о. Spp. С	bserve	d Using Feature	
Bat Roosting Featu			I-Unknov ith open	vn, no acces surrounding	ss (*if yes, c		table below) facing cavities ~	10m hi	gh in tree]	
POTENTIAL BAT RO UTM	Tree ID	Tree Spp.			Decay C	lass (1-5)	No. of Cavities Height		t and Type of Cavities	
		Песорр		T HOLO I VO.	Decay	1835 (1-3)	No. of Cavities	Treign	t and Type of Cavities	
Stick Nests:		Co	ntains lai Y* / ⊠-N	rge stick nes / -Unknov	sts? vn, no acce	ss (*if yes	, describe in tabl	e belov	v)	
STICK NEST(S) IDEN UTM	STICK NEST(S) IDENTIFIED UTM Tre		Tree Spp. Nest Si			Photo No. Spp. Observed Using Feature				
								•		
Seeps/Springs/Ver		U-	Y" / U-N		/vernal poo	ls? / Mi ss (*if yes	of lively describe in tabl	e belov	v)	
SEEP / SPRING / VER	NAL POO	L FEATURE(S)	IDENTI Feature		· · · · · · · · · · · · · · · · · · ·		C. L/E	4 87	CL 1./T /FI	
UTM	Feat	Feature No. & Type		eter) W	ater Depth	Photo No.	o. Sub/Emerger Spp. Preso		Shrubs/ Logs at Edge Present?	
SPECIES & HABITAT	Γ OBSERV	ATIONS (list sp	ecies and	type of obse	rvation & in	dicate on	map)			
1										
	4.45	-C. Visa se I	· EVague	heart 110-ba	ora/Jan (M.		Community Show dis-		=track: VO=vocalization	