

Bluewater Feature: 541_1508

(Properties that contain Features within 125m from Collector lines and 17.5m from Turbines)



August 28, 2011



- Block
- Access/Collector Line
20.15-30m Buffer (17.5m)
Turbine Buffer (17.5m)
- Substructure Intersect
(Contains Substructure Features)
Topping Pylon
Pylon



Bluewater Feature: 541_1507

(Properties that contain Features within 125m from Collection lines and 171.5m from Turbines)

August 28, 2011

0 25 50 100 Meters



- Icons
- Access/Collection Line
- Collector Buffer (125m)
- Turbine Buffer (171.5m)
- Utility/Service Intersect
- Turbine Buffer/Service Intersect
- Property Fabric
- Blowdown/Flare/Property Contour



ELC
Community Description and Classification

Site: 641_BLW1608 Polygon: A

Surveyor(s): KAMSTA Date: Sept 6 Time start: 9:00 finish:

UTMZ: 446390 UTMN: 4820305

Polygon Description

System	Substrate	Topographic Features	Plant Form	Community
<input type="checkbox"/> Terrestrial <input type="checkbox"/> Wetland <input type="checkbox"/> Aquatic Sils <input type="checkbox"/> Open Water <input type="checkbox"/> Shallow Water <input type="checkbox"/> Surficial Dep. <input type="checkbox"/> Bedrock	<input type="checkbox"/> Organic <input type="checkbox"/> Mineral Soil <input type="checkbox"/> Parent Min. <input type="checkbox"/> Acidic Bedrk <input type="checkbox"/> Basic Bedrk <input type="checkbox"/> Carb. Bedrk	<input type="checkbox"/> Lacustrine <input type="checkbox"/> Riverine <input type="checkbox"/> Bottomland <input type="checkbox"/> Terrace <input checked="" type="checkbox"/> Valley Slope <input type="checkbox"/> Tableland <input type="checkbox"/> Roll Upland <input type="checkbox"/> Cliff <input type="checkbox"/> Talus <input type="checkbox"/> Crevice/Cave <input type="checkbox"/> Atvar <input type="checkbox"/> Rockland <input type="checkbox"/> Beach / Bar <input type="checkbox"/> Sand Dune <input type="checkbox"/> Bluff	<input type="checkbox"/> Plankton <input type="checkbox"/> Submerged <input type="checkbox"/> Floating-LVD <input type="checkbox"/> Graminoid <input type="checkbox"/> Forb <input type="checkbox"/> Lichen <input type="checkbox"/> Bryophyte <input checked="" type="checkbox"/> Deciduous <input type="checkbox"/> Coniferous <input type="checkbox"/> Mixed	<input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> River <input type="checkbox"/> Stream <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Fen <input type="checkbox"/> Bog <input type="checkbox"/> Barren <input type="checkbox"/> Meadow <input type="checkbox"/> Prairie <input type="checkbox"/> Thicket <input type="checkbox"/> Savannah <input type="checkbox"/> Woodland <input checked="" type="checkbox"/> Forest <input type="checkbox"/> Plantation
History	Cover			
<input type="checkbox"/> Natural <input type="checkbox"/> Cultural	<input type="checkbox"/> Open <input type="checkbox"/> Shrub <input type="checkbox"/> Treed			

Stand Description

Layer	HT	OVR	Species in Order of Decreasing Dominance (up to 4 sp) (>> Much Greater Than; > Greater Than; = About Equal To)
1	2	4	Fragaria - Fragaria → Acer sac
2	3	3	Cornus - Ruscus → Acer sac
3	4	2	Prunus - Cornus
4	6	3	Impatiens (A-seps) Cotula - Fragaria

HT Codes: 7 < 0.2m 6 > 0.2-0.5m 5 > 0.5-1m 4 > 1-2m 3 > 2-6m 2 > 6-25m 1 > 25m
 CVR Codes: 0 = none 1 0% - 10% 2 10 - 25% 3 25 - 50% 4 > 50% 5 > 50% 6 > 60%

Stand Composition:	Size Class Analysis:	Standing Stages:	Deadfall / Logs:
	A < 10 10-24 A 10-24 A 25-50	D < 10 10-24 R 10-24 R 25-50	A < 10 10-24 R 10-24 R 25-50

Abundance Codes: N = None R = Rare O = Occasional A = Abundant

Com. Age: Pioneer Young Mid-Age Mature Old Growth

Ecotype:	Code:
Vegetation Type:	Code:
Inclusion:	Code:
Complex:	Code:

F0B 4-2
seeps w Impatiens

Community Profile Diagram/Comments

Disturbed edge of cultivated field. Some disturbed soil (prob Em. Ash Bur).

Irregular patches of seepage along N-S slope

Slope * see Polygons C + D on back

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Rel. Avg.
Total						100
Basal Area (BA)						
Dead						

Soils Ontario and ELC Soils Description

Soils Metrics	PII/Auger #	Summary
Zone	1	
Easting		
Northing		
Position		
Aspect	N	
Percent		
Slope		
Length		
Mottles		
Gley		
Water Table		
Carbonates		
Bedrock		
Depth from zero	20	% CF
Texture	dark brown silty loam	% CF
Depth from zero	> 20	% CF
Texture	dark brown silty loam	% CF
Depth from zero		% CF
Texture		% CF
Depth from zero		% CF
Texture		% CF
% Surface Stoner/Rock		
Moisture Regime		
Drainage	good	

site 541

Polygon C

Sept 6/2011

UTM

436365

/ 4820415

old field with planted conifers

3-1 Pinstro (planted)

4-2 Pinstro (pl) - Thuocci (pl) > Ros mult

5/6-4 Broiner > Daeglom - Asteric > Solcan-
cum

Polygon D - Walnut - W. Pine plantation.

UTM - 446350 / 4820435.

2/3-4 Jugnigr < Pinstro

2-1 Fraumen.

CUP 2-1 mixed Walnut - Pine plantation

ELC
Community Description and Classification

Site: ~~BLW~~ **508** Polygon: **B**

Surveyor(s): **Kamsting** Date: **Sept 6/11** Time start: **16:30** finish: **16:30**

UTMZ: **17** UTMZ: **446365** UTMN: **4820340**

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
<input type="checkbox"/> Terrestrial <input type="checkbox"/> Wetland <input type="checkbox"/> Aquatic Site <input type="checkbox"/> Open Water <input type="checkbox"/> Shallow Water <input type="checkbox"/> Surficial Dep. <input type="checkbox"/> Bedrock History <input type="checkbox"/> Natural <input type="checkbox"/> Cultural Cover <input type="checkbox"/> Open <input type="checkbox"/> Shrub <input type="checkbox"/> Treeed	<input type="checkbox"/> Organic <input type="checkbox"/> Mineral Soil <input type="checkbox"/> Parent Mtn. <input type="checkbox"/> Acidic Bedrk <input type="checkbox"/> Basic Bedrk <input type="checkbox"/> Carb. Bedrk <input type="checkbox"/> Tralus <input type="checkbox"/> Crvice/Cave <input type="checkbox"/> Alvar <input type="checkbox"/> Rockland <input type="checkbox"/> Beach / Bar <input type="checkbox"/> Sand Dune <input type="checkbox"/> Bluff	<input type="checkbox"/> Lacustrine <input type="checkbox"/> Riverine <input type="checkbox"/> Bottomland <input type="checkbox"/> Terrace <input type="checkbox"/> Valley Slope <input type="checkbox"/> Tableland <input type="checkbox"/> Roll. Upland <input type="checkbox"/> Cliff <input type="checkbox"/> Talus <input type="checkbox"/> Crvice/Cave <input type="checkbox"/> Alvar <input type="checkbox"/> Rockland <input type="checkbox"/> Beach / Bar <input type="checkbox"/> Sand Dune <input type="checkbox"/> Bluff	<input type="checkbox"/> Plankton <input type="checkbox"/> Submerged <input type="checkbox"/> Floating-LVD. <input type="checkbox"/> Graminoid <input type="checkbox"/> Forb <input type="checkbox"/> Lichen <input type="checkbox"/> Bryophyte <input type="checkbox"/> Deciduous <input type="checkbox"/> Coniferous <input type="checkbox"/> Mixed <input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> River <input type="checkbox"/> Stream <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Fen <input type="checkbox"/> Bog <input type="checkbox"/> Barren <input type="checkbox"/> Meadow <input type="checkbox"/> Prairie <input type="checkbox"/> Thicket <input type="checkbox"/> Savannah <input type="checkbox"/> Woodland <input type="checkbox"/> Forest <input type="checkbox"/> Plantation	

Stand Description *Thicket Swamp / Meadow Marsh*

Layer	HT	CVR	Species In Order of Decreasing Dominance (up to 4 sp) (> Much Greater Than; > Greater Than; = About Equal To)
1	2	1	Ulmener - Salween
2	3/4	3	Salween - Salween
3	5/6	4	Impati - Astragal - Equisetum - Salween
4			

HT Codes: 7 < 0.2m 6 > 0.2-0.5m 5 > 0.5-1m 4 > 1-2m 3 > 2-5m 2 > 6-25m 1 > 25m
 CVR Codes: 0 = none 1 0% - 10% 2 10 - 25% 3 25 - 50% 4 > 50% 5 50 - 75% 6 > 75% 7 > 80%

Stand Composition: Size Class Analysis:

Standing Snags:	<10	10-24	25-50	>50
Deadfall / Logs:	<10	10-24	25-50	>50

Abundance Codes: N = None R = Rare O = Occasional A = Abundant

Com. Age: Pioneer Young Mid-Age Mature Old Growth

Ecotope: **SWT 2-2**

Vegetation Type:

Inclusion:

Complex:

Community Profile Diagram/Comments

Flood plain of creek mix of dense willow thicket + open meadow marsh

Notes:

Equisetum pratense present (some branching)

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Rel. Avg.	Prism Factor
Total						100	2
Basal Area (BA)							
Dead							

Soils Ontario and ELC Soils Description

Site Metrics	PI/Auger #	#	Summary
UTM	Zone		
	Easting		
	Northing		
	Position	<i>Small valley bottom</i>	
	Aspect	<i>level</i>	
	Percent		
	Slope		
	Length		
	Mottles	<i>15</i>	
	Clay		
	Water Table	<i>35</i>	
	Carbonates		
	Bedrock		

Depth to ...	Soil Horizon Description		Effective Texture (Indicate below)	
	1	2	3	4
Depth from zero	<i>40</i>			
Texture	<i>med. gray silt</i>			
Depth from zero				
Texture				
Depth from zero				
Texture				
Depth from zero				
Texture				
% Surface Stone/Rock				
Moisture Regime				
Drainage				

defined stream channel with flowing water up to 30 cm

ELC
Community
Description and
Classification

Site: 541 BLW1508 Polygon: E
 Surveyor(s): JR Date: Sept 6/11 Time start: 17:30
 UTMZ: 446455 UTMN: 4820490

Polygon Description N facing slope

System	Substrate	Topographic Feature	Plant Form	Community
<input type="checkbox"/> Terrestrial <input type="checkbox"/> Wetland <input type="checkbox"/> Aquatic	<input type="checkbox"/> Organic <input checked="" type="checkbox"/> Mineral Soil <input type="checkbox"/> Parent Min. <input type="checkbox"/> Acidic Bedrk <input type="checkbox"/> Basic Bedrk <input type="checkbox"/> Carb. Bedrk	<input type="checkbox"/> Lacustrine <input type="checkbox"/> Riverine <input type="checkbox"/> Bottomland <input type="checkbox"/> Terrace <input checked="" type="checkbox"/> Valley Slope <input type="checkbox"/> Tableland <input type="checkbox"/> Roll. Upland <input type="checkbox"/> Cliff <input type="checkbox"/> Talus <input type="checkbox"/> Crevice/Cave <input type="checkbox"/> Alvar <input type="checkbox"/> Rockland <input type="checkbox"/> Beach / Bar <input type="checkbox"/> Sand Dune <input type="checkbox"/> Bluff	<input type="checkbox"/> Plankton <input type="checkbox"/> Submerged <input type="checkbox"/> Floating-LVD <input type="checkbox"/> Graminoid <input type="checkbox"/> Forb <input type="checkbox"/> Lichen <input type="checkbox"/> Bryophyte <input checked="" type="checkbox"/> Deciduous <input type="checkbox"/> Coniferous <input type="checkbox"/> Mixed	<input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> River <input type="checkbox"/> Stream <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Fen <input type="checkbox"/> Bog <input type="checkbox"/> Barren <input type="checkbox"/> Meadow <input type="checkbox"/> Prairie <input type="checkbox"/> Thicket <input type="checkbox"/> Savannah <input type="checkbox"/> Woodland <input checked="" type="checkbox"/> Forest <input type="checkbox"/> Plantation

Stand Description

Layer	HT	CVR	Species in Order of Decreasing Dominance (up to 4 sp.) (> Much Greater Than; > Greater Than; = About Equal To)
1	2	4	ACE-SACH - OSTVIA - FRAAMN > PUSERO - TILANER
2	3	4	ACE-SACH > OSTVIA
3			
4	5/6	2	COVATE - AVITRIP - PUNING - ACE-SACH

HT Codes: 1 < 0.2m 2 > 0.2-0.5m 3 > 0.5-1m 4 > 1-2m 5 > 2-3m 6 > 3-4m 7 > 4-5m 8 > 5-6m 9 > 6-7m
 CVR Codes: 0 = none 1 0% - 10% 2 10 - 25% 3 25 - 50% 4 50 - 75% 5 75 - 90% 6 90 - 100%

Stand Composition:	Size Class Analysis:	Standing Snags:	Deadfall / Logs:
	A < 10 A < 10 A < 10	10-24 10-24 10-24	25-50 25-50 25-50

Abundance Codes: N = None R = Rare O = Occasional A = Abundant

Com. Age:	Pioneer	Young	Mid-Age	Mature	Old Growth
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Ecosite:	Vegetation Type:	Inclusion:	Complex:
	FOD 5-4		

Community Profile Diagram/Comments

Mixed species deciduous forest

Notes:

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Rel. Avg.
Total						100
Basal Area (BA)						
Dead						

Soils Ontario and ELC Soils Description

Pit/Auger #	Zone	Easting	Northing	Position	Aspect	Percent	Slope	Length	Summary
1	UTM				North				
2									

Soil Horizon Description	Depth 1		Depth 2		Depth 3		Depth 4	
	Texture	% CF	Texture	% CF	Texture	% CF	Texture	% CF
1	Depth from zero	20	Depth from zero	20	Depth from zero	20	Depth from zero	20
2	Texture	20	Texture	20	Texture	20	Texture	20
3	Depth from zero	30	Depth from zero	30	Depth from zero	30	Depth from zero	30
4	Texture	30	Texture	30	Texture	30	Texture	30

ELC
Community Description and Classification

Site: 541 BLW 1508 Polygon: F
 Surveyor(s): JK Date: Sept 6 Time start: 18:30 finish:
 UTMZ: 446475 UTMN: 4820525

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
<input type="checkbox"/> Terrestrial <input type="checkbox"/> Wetland <input type="checkbox"/> Aquatic <input type="checkbox"/> Site <input type="checkbox"/> Open Water <input type="checkbox"/> Shallow Water <input type="checkbox"/> Surficial Dep. <input type="checkbox"/> Bedrock	<input type="checkbox"/> Organic <input checked="" type="checkbox"/> Mineral Soil <input type="checkbox"/> Parent Min. <input type="checkbox"/> Acidic Bedrk <input type="checkbox"/> Basic Bedrk <input type="checkbox"/> Carb. Bedrk	<input type="checkbox"/> Lacustrine <input type="checkbox"/> Riverine <input checked="" type="checkbox"/> Bottomland <input type="checkbox"/> Terraco <input type="checkbox"/> Valley Slope <input type="checkbox"/> Tableland <input type="checkbox"/> Roll Upland <input type="checkbox"/> Cliff <input type="checkbox"/> Talus <input type="checkbox"/> Crevice/Cave <input type="checkbox"/> Aivat <input type="checkbox"/> Rockland <input type="checkbox"/> Beach / Bar <input type="checkbox"/> Sand Dune <input type="checkbox"/> Bluff	<input type="checkbox"/> Plankton <input type="checkbox"/> Submerged <input type="checkbox"/> Floating-LVD. <input type="checkbox"/> Graminoid <input type="checkbox"/> Forb <input type="checkbox"/> Lichen <input type="checkbox"/> Bryophyte <input checked="" type="checkbox"/> Deciduous <input type="checkbox"/> Coniferous <input type="checkbox"/> Mixed	<input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> River <input type="checkbox"/> Stream <input type="checkbox"/> Marsh <input checked="" type="checkbox"/> Swamp <input type="checkbox"/> Fen <input type="checkbox"/> Bog <input type="checkbox"/> Barren <input type="checkbox"/> Meadow <input type="checkbox"/> Prairie <input type="checkbox"/> Thicket <input type="checkbox"/> Savannah <input type="checkbox"/> Woodland <input type="checkbox"/> Forest <input type="checkbox"/> Plantation

Stand Description

Layer	HT	CVR	Species In Order of Decreasing Dominance (up to 4 sp) (>> Much Greater Than; > Greater Than; = About Equal To)
1	2	3	Fragaria -> Pop trem
2	3	3	Urtica -> Ach. sacch
3	3	3	Prunella -> Cor. h
4	5/6	4	Impatiens -> G. Y. sili -> L. n. o. p. z -> C. o. p. h. -> L. e. e. o. r. z

HT Codes: 1 < 0.2m 2 > 0.2-0.5m 3 > 0.5-1m 4 > 1-2m 5 > 2-4m 6 > 4-8m 7 > 8-25m 1 > 25m
 CVR Codes: 0 = none 1 0% - 10% 2 10 - 25% 3 25 - 50% 4 50 - 60% 5 60 - 80%

Stand Composition: Size Class Analysis: A < 10 0 10-24 25-50 > 50
 Standing Snags: 0 < 10 R 10-24 > 50
 Deadfall / Logs: A < 10 A 10-24 > 50

Abundance Codes: N = None R = Rare Q = Occasional A = Abundant

Com. Age: Pioneer Young Mid-Age Mature Old Growth

Ecosite: SWD 2 Z
 Vegetation Type:
 Inclusion:
 Complex:

Community Profile Diagram/Comments
 Swamp on Bottomland, Creek present

Notes: * See Polygon G on back

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Rel. Avg.
Basal Area (BA)						100
Dead						

Soils Ontario and ELC Soils Description

Site Metrics	PIV/Auger #	Soils Ontario and ELC Soils Description		Summary
		Zone	Moisture Regime	
UTM				
Slope		level		
Slope Length		5		
Mottles				
Clay				
Water Table				
Carbonates				
Bedrock				
1	Depth from zero	30	% CF	% CF
	Texture	Gray silty clay moist	% CF	% CF
2	Depth from zero		% CF	% CF
	Texture		% CF	% CF
3	Depth from zero		% CF	% CF
	Texture		% CF	% CF
4	Depth from zero		% CF	% CF
	Texture		% CF	% CF
	% Surface Stone/Rock			
	Moisture Regime			
	Drainage			

Polygon G

matine Sugar Maple Forest

UTM 17T 446530 / 4820460

1/2 - 4 Acesacu \rightarrow Fraaner - Faggram
3 - 4 Ostving - Acesacu $>$ Prusevo
4 - 2 Pruviroj - Fraaner
5/6 - 3 Solcaes - Astlate - Solplex - Soldulc

Size class	A < 10, A < 25	A > 25
Swags		R
Deadfall	A	O R

FOD 5-1

ELC

Community Description and Classification

Site: 541_ELW1607 Polygon: H
 Surveyor(s): Kemska Date: Sept 6/11 Time start: 11:20 finish:
 UTMZ: 17 UTMZ: 446555 UTMN: 4820155

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
<input type="checkbox"/> Terrestrial <input type="checkbox"/> Wetland <input type="checkbox"/> Aquatic	<input type="checkbox"/> Organic <input type="checkbox"/> Mineral Soil <input type="checkbox"/> Parent Min. <input type="checkbox"/> Acidic Bedrk <input type="checkbox"/> Basic Bedrk <input type="checkbox"/> Carb. Bedrk	<input type="checkbox"/> Lacustrine <input type="checkbox"/> Rivarhine <input type="checkbox"/> Bottomland <input type="checkbox"/> Terrace <input type="checkbox"/> Valley Slope <input checked="" type="checkbox"/> Tableland <input type="checkbox"/> Roll. Upland <input type="checkbox"/> Cliff <input type="checkbox"/> Talus <input type="checkbox"/> Grevine/Cave <input type="checkbox"/> Alvar <input type="checkbox"/> Rockland <input type="checkbox"/> Beach / Bar <input type="checkbox"/> Sand Dune <input type="checkbox"/> Bluff	<input type="checkbox"/> Plankton <input type="checkbox"/> Submerged <input type="checkbox"/> Floating-LVD. <input type="checkbox"/> Graminoid <input type="checkbox"/> Forb <input type="checkbox"/> Lichen <input type="checkbox"/> Bryophyte <input checked="" type="checkbox"/> Deciduous <input type="checkbox"/> Coniferous <input type="checkbox"/> Mixed	<input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> River <input type="checkbox"/> Stream <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Fen <input type="checkbox"/> Bog <input type="checkbox"/> Barren <input type="checkbox"/> Meadow <input type="checkbox"/> Prairie <input type="checkbox"/> Thicket <input type="checkbox"/> Savannah <input type="checkbox"/> Woodland <input checked="" type="checkbox"/> Forest <input type="checkbox"/> Plantation

Stand Description

Layer	HT	CVR	Species in Order of Decreasing Dominance (up to 4 sp) (> Much Greater Than > Greater Than = About Equal To)
1	1/2	4	Aesculus > Thuja > Fraxinus > Erythron
2	3	3	Aesculus
3	4	2	Prunus
4	E/b	2	Solidago - Geranium > Allpeti

HT Codes: 7 < 0.2m 6 > 0.2-0.5m 5 > 0.5-1m 4 > 1-2m 3 > 2-6m 2 > 6-25m 1 > 25m
 CVR Codes: 0 = none 1 0% - 10% 2 10 - 25% 3 25 - 50% 4 > 50%

Stand Composition: Size Class Analysis
 Standing Snags: Deadfall / Logs

BA:	<10	10-24	25-50	>50
	<10	10-24	25-50	>50
	<10	10-24	25-50	>50

Abundance Codes: N = None R = Rare O = Occasional A = Abundant

Com. Age: Pioneer Young Mid-Age Mature Old Growth

Ecology: FOD5-6
 Vegetation Type: Code:
 Inclusion: Code:
 Complex: Code:

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Pit/ Aug. #
Total						
Basal Area (BA)						100
Dead						

Soils Ontario and ELC Soils Description

Soil Metrics	Pit/Auger #		Soils Description				Summary							
	UTM	Zone	Easting	Northing	Position	Aspect		Percent	Slope	Length				
Moisture Regime														
Drainage														
Effective Texture (indicate below)														
Soil Horizon Description	Depth to...	1	Moisture									% CF		
			Gley										% CF	
			Water Table											% CF
			Carbonates											% CF
Soil Horizon Description	Depth to...	2	Bedrock										% CF	
			Depth from zero											% CF
			Texture											% CF
			Depth from zero											% CF
Soil Horizon Description	Depth to...	3	Texture										% CF	
			Depth from zero											% CF
			Texture											% CF
			Depth from zero											% CF
Soil Horizon Description	Depth to...	4	Texture										% CF	
			Depth from zero											% CF
			Texture											% CF
			Depth from zero											% CF
Soil Horizon Description	Depth to...		% Surface Stone/Rock										% CF	
			Moisture Regime											% CF
Soil Horizon Description	Depth to...		Drainage										% CF	
														% CF

VASCULAR PLANT CHECKSHEET

Location: Bluenwater 541

Date: Sept 6/2011

Observer: TKomsteva

Job Number:

DICOT HERBS						MONOCOT HERBS																	
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6						
Achillea millefolium						Erigeron annuus	X					Plantago lanceolata						Alisma plantago-aquatica					
Actaea pachypoda	X					Erigeron philadelphicus						Plantago major						Allium tricoccum					
Actaea rubra						Erigeron strigosus						Plantago rugelii	X					Allium					
Agalinus						Erysimum cheiranthoides						Podophyllum peltatum						Arisaema triphyllum		X			
Agimonia gryposepala						Eupatorium maculatum	X					Polygonum						Asparagus officinalis					
Alliaria petiolata	X					Eupatorium perfoliatum						Polygonum						Calla palustris					
Amaranthus retrofractus						Eupatorium rugosum	X					Polygonum						Clintonia borealis					
Ambrosia artemisiifolia						Euphorbia						Polygonum lapathifolium						Convolvulus majus					
Amphicarpaea bracteata						Euthamia graminifolia	X					Polygonum persicaria						Cypripedium calceolus					
Anaphalis margaritacea						Fragaria virginiana						Potentilla						Ekodea canadensis					
Anemone						Fragaria vesca						Potentilla norvegica						Epipactis helleborine					
Anemone canadensis						Galeopsis tetrahit						Potentilla recta						Erythronium americanum					
Anemone virginiana						Gallium						Pranthes alba						Hemerocallis fulva					
Arnica montana						Gallium						Prunella vulgaris						Iris versicolor					
Apocynum androsaemifolium						Gallium palustre						Pyrrolis elliptica						Lemna minor					
Apocynum cannabinum	X					Gallium triflorum						Ranunculus abortivus	X					Lemna trisulca					
Aquilegia canadensis						Geranium maculatum						Ranunculus acris						Lilium					
Arnica montana						Geranium robertianum						Rudbeckia hirta						Melantherum canadense					
Arnica montana						Geum aleppicum						Rumex crispus						Melantherum racemosum					
Arnica montana						Geum canadense	X					Rumex crispus						Melantherum stellata					
Arnica montana						Geum						Rumex crispus						Melantherum stellata					
Asarum canadense						Glechoma hederacea						Rumex crispus						Melantherum stellata					
Asclepias incarnata						Hepatica acutiloba						Sanguinaria canadensis						Pentstemon cordata					
Asclepias syriaca						Hesperis matronalis						Sanicula marilandica						Polygonatum pubescens					
Aster						Hieracium aurantiacum						Saponaria officinalis						Potamogeton crispus					
Aster cordifolius						Hieracium cespitosum						Salvia vulgaris	X					Potamogeton pectinatus					
Aster ericoides	X					Hieracium						Scutellaria perfoliata						Potamogeton					
Aster lanceolatus	X					Hydrophyllum virginianum						Silene vulgaris						Potamogeton					
Aster lateriflorus						Hypericum perforatum						Slum suave						Scilla maritima					
Aster macrophyllus						Impatiens capensis	X					Solanum dulcamara	X					Smilax herbacea					
Aster novae-angliae	X					Inula helenium						Solidago						Spiranthes cernua					
Aster purpureus						Lactuca						Solidago altissima	X					Spiranthes polyrrhiza					
Barbarea vulgaris						Lagotis canadensis						Solidago canadensis	X					Stachys roseus					
Bidens cernua						Lapsana communis						Solidago flexicaulis	X					Trillium erectum					
Bidens frondosa						Leonurus cardiaca						Solidago gigantea						Trillium grandiflorum					
Boehmeria cylindrica						Lepidium						Solidago nemoralis						Urtica dioica					
Calla palustris						Lineria vulgaris						Solidago rugosa						Urtica dioica					
Calyptegia sepium						Lithospermum officinale						Sonchus arvensis						Urtica dioica					
Cardamine diphylla						Labella						Sonchus asper						Urtica dioica					
Cardamine						Lobelia inflata						Stellaria						Urtica dioica					
Caulophyllum thalictroides	X					Lectus corniculatus	X					Tanacetum vulgare						Urtica dioica					
Cerastium fontanum						Lycopus americanus						Taraxacum officinale	X					Urtica dioica					
Ceratophyllum demersum						Lycopus						Thalictrum dioicum						Urtica dioica					
Chelidonium majus						Lysimachia ciliata						Thalictrum pubescens						Urtica dioica					
Chenopodium album						Lythrum salicaria						Tiselia cordifolia						Urtica dioica					
Chrysanth. leucanthemum						Medicago lupulina						Tragopogon pratensis						Urtica dioica					
Cichorium intybus	X					Medicago sativum	X					Trifolium boreale						Urtica dioica					
Cicuta						Melilotus alba						Trifolium						Urtica dioica					
Circaea lutetiana	X					Meritha arvensis						Trifolium pratense						Urtica dioica					
Cirsium arvense						Mimulus ringens						Trifolium repens						Urtica dioica					
Cirsium vulgare	X					Mimulus ringens						Tussilago farfara						Urtica dioica					
Clematis virginiana						Mitella diphylla						Urtica dioica						Urtica dioica					
Clintonia borealis						Monarda fistulosa						Urtica dioica						Urtica dioica					
Coryza canadensis						Mycosotis						Urtica dioica						Urtica dioica					
Coronilla varia						Nautilum officinale						Urtica dioica						Urtica dioica					
Gymnarchum fossicum						Nepeta cataracta						Urtica dioica						Urtica dioica					
Cynoglossum officinale						Nuphar variegatum						Urtica dioica						Urtica dioica					
Daucus carota						Nymphaea odorata						Urtica dioica						Urtica dioica					
Desmodium canadense						Oenothera biennis						Urtica dioica						Urtica dioica					
Dianthus amurensis						Osmorhiza						Urtica dioica						Urtica dioica					
Dipsacus fullonum						Oxalis stricta						Urtica dioica						Urtica dioica					
Echinochloa lobata	X					Phytolacca heterophylla						Urtica dioica						Urtica dioica					
Echium vulgare												Urtica dioica						Urtica dioica					
Epilobium coloratum	X											Urtica dioica						Urtica dioica					
Epilobium ciliatum	X											Urtica dioica						Urtica dioica					
Epilobium hirsutum												Urtica dioica						Urtica dioica					
Epilobium parviflorum												Urtica dioica						Urtica dioica					
Cryptotaenia	X											Urtica dioica						Urtica dioica					
Chrysopsis	X											Urtica dioica						Urtica dioica					

1: 541 on BLW 1508 4: _____
 2: _____ 5: _____
 3: _____ 6: _____

SITE LOCATIONS

ELC WILDLIFE	SITE: 541 RLW 1508	
	POLYGON:	
	DATE: Sept 6/2011	
	SURVEYORS: Kainster	
	START TIME: 18:00	END TIME:

TEMP (°C): 20	CLOUD (10th): 2	WIND: 1	PRECIPITATION:
CONDITIONS:			

POTENTIAL WILDLIFE HABITAT:

VERNAL POOLS	<input type="checkbox"/>	SNAGS	<input checked="" type="checkbox"/>
HIBERNACULA	<input type="checkbox"/>	FALLEN LOGS	<input checked="" type="checkbox"/>
		equities	<input checked="" type="checkbox"/>

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
B	MOPD	OB			D	Chimney Crayfish		burrows	
	SOSP	OB			M	W.T. Deer		Tr	
	RTHU	DR		2		E. Chipmunk	OB		
	NOFL								
	AMCR	VO							
	GRCFA	VO							
	COYE	VO							
	AMGO	VO							
	HAWO	VO							
	RBWO	VO							
	WOTH	VO							
H	Gray Treefrog	VO							
L	Cabbage								
C	Com Sulfur								
L	Alfalfa								

FAUNAL TYPE CODES (TY):

B = BIRD M = MAMMAL H = HERPETOFAUNA L = LEPIDOPTERA F = FISH O = OTHER

EVIDENCE CODES (EV):

BREEDING BIRD - POSSIBLE:

SH = SUITABLE HABITAT SM = SINGING MALE

BREEDING BIRD - PROBABLE:

T = TERRITORY D = DISPLAY P = PAIR
A = ANXIETY BEHAVIOUR N = NEST BUILDING V = VISITING NEST

BREEDING BIRD - CONFIRMED:

DD = DISTRACTION NU = USED NEST FY = FLEDGED YOUNG
NE = EGGS NY = YOUNG FS = FOOD/FECAL SACK
AE = NEST ENTRY

OTHER WILDLIFE EVIDENCE:

OB = OBSERVED VO = VOCALIZATION CA = CARCASS
DP = DISTINCTIVE PARTS HO = HOUSE/DEN FY = EGGS/YOUNG
TK = TRACKS FE = FEEDING EVIDENCE SC = SCAT
SI = OTHER SIGNS (specify)

00-000 Coaster Line South of 1200 Road

JR-AD, July 5, 2011



#3 @ P US Avium

#1 from road (tree low)
#2 Hawthorne

ELC
Community Description and Classification

Site: Buckleton 542 Polygon: G-16-14 P2

Surveyor(s): Jess + Andrea Date: June 5, 2011 Time start: 8:30 finish: 11:30

UTMZ: UTMZ: UTMZ: UTMZ:

Polygon Description A's, partly cloudy

System	Substrate	Topographic Feature	Plant Form	Community
<input type="checkbox"/> Terrestrial <input checked="" type="checkbox"/> Wetland <input type="checkbox"/> Aquatic Site <input type="checkbox"/> Open Water <input type="checkbox"/> Shallow Water <input checked="" type="checkbox"/> Surficial Dep. <input type="checkbox"/> Bedrock	<input type="checkbox"/> Organic <input checked="" type="checkbox"/> Mineral Soil <input type="checkbox"/> Parent Mth. <input type="checkbox"/> Acidic Bedrk <input type="checkbox"/> Basic Bedrk <input type="checkbox"/> Carb. Bedrk	<input type="checkbox"/> Lacustrine <input type="checkbox"/> Riverine <input type="checkbox"/> Bottomland <input type="checkbox"/> Terrace <input type="checkbox"/> Valley Slope <input type="checkbox"/> Upland <input checked="" type="checkbox"/> Roll- Upland <input type="checkbox"/> Cliff <input type="checkbox"/> Talus <input type="checkbox"/> Crevice/Cave <input type="checkbox"/> Alvar <input type="checkbox"/> Rockland <input type="checkbox"/> Beach / Bar <input type="checkbox"/> Sand Dune <input type="checkbox"/> Bluff	<input type="checkbox"/> Plankton <input type="checkbox"/> Submerged <input type="checkbox"/> Floating-LVD. <input type="checkbox"/> Graminoid <input type="checkbox"/> Forb <input type="checkbox"/> Lichen <input type="checkbox"/> Bryophyte <input checked="" type="checkbox"/> Deciduous <input type="checkbox"/> Coniferous <input type="checkbox"/> Mixed	<input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> River <input type="checkbox"/> Stream <input type="checkbox"/> Marsh <input checked="" type="checkbox"/> Swamp <input type="checkbox"/> Fen <input type="checkbox"/> Bog <input type="checkbox"/> Barren <input type="checkbox"/> Meadow <input type="checkbox"/> Prairie <input type="checkbox"/> Thicket <input type="checkbox"/> Savannah <input type="checkbox"/> Woodland <input type="checkbox"/> Forest <input type="checkbox"/> Plantation

Stand Description

Species In Order of Decreasing Dominance (up to 4 sp)
 (>> Much Greater Than; > Greater Than; = About Equal To)

Layer	HT	CVR
1	4	U <u>UIMANER > SALIX > POPULUS > TAMAR</u>
2	3	U <u>UIMANER</u>
3	3	U <u>COENOCYCLUS > RACAPRIS > V. FRIPA</u>
4	6	U <u>CAREX SP > LYCOPODIUM > CAR. VAMP</u>

HT Codes: 7 < 0.2m 8 > 0.2-0.5m 9 > 0.5-1m 4 > 1-2m 3 > 2-8m 1 > 8m
 CVR Codes: 0 = none 1 0% - 10% 2 10 - 25% 3 25 - 50% 4 50 - 60%

Stand Composition: Size Class Analysis:

Standing Snags:	Deadfall / Logs:	< 10	10-24	25-50	> 50
		N	A	N	N
		N	N	A	N
		N	O	A	N

Abundance Codes: N = None R = Rare O = Occasional A = Abundant

Com. Age: Pioneer Young Mid-Age Mature Old Growth

Vegetation Type: DECIDUOUS SWAMP Code: SWD

Inclusion: Code: SW4

Complex: Code: SW4

Community Profile Diagram/Comments

> wet pockets throughout PUG.

Notes:

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Rel. Avg.
UIMANER	111					2
POPULUS	111					
TAMAR	1					
Total						100
Basal Area (BA)						
Dead						

Soils Ontario and ELC Soils Description

PH/Auger #	Summary
Zone	17
Easting	448426
Northing	4820519
Position	
Aspect	
Percent	
Slope	
Length	
Mottles	10 cm
Gley	
Water Table	
Carbonates	
Bedrock	
Depth from zero	% CF
Texture	SIC
Depth from zero	% CF
Texture	SIC
Depth from zero	% CF
Texture	
Depth from zero	% CF
Texture	
Depth from zero	% CF
Texture	
% Surface Stone/Rock	
Moisture Regime	Very moist
Drainage	11

Soil Horizon Description

Horizon	Depth from zero	Texture	% CF
1	0-10 cm	SIC	
2	10-24 cm	SIC	
3	24-50 cm		
4	50-100 cm		

ELC
Community Description and Classification

Site: SLU-14-1 Polygon: CELS-14-1
 Surveyor(s): Jess I Andree Date: July 5, 2011 Time start: 8:30 am finish: 11:30 am
 UTMZ: _____ UTMN: _____

Polygon Description 7c, mostly cloudy

System	Substrate	Topographic Feature	Plant Form	Community
<input type="checkbox"/> Terrestrial <input checked="" type="checkbox"/> Wetland <input type="checkbox"/> Aquatic Site <input type="checkbox"/> Open Water <input type="checkbox"/> Shallow Water <input checked="" type="checkbox"/> Surficial Dep. <input type="checkbox"/> Bedrock History <input checked="" type="checkbox"/> Natural <input type="checkbox"/> Cultural Cover <input checked="" type="checkbox"/> Open <input type="checkbox"/> Shrub <input type="checkbox"/> Tree	<input type="checkbox"/> Organic <input checked="" type="checkbox"/> Mineral Soil <input type="checkbox"/> Parent Min. <input type="checkbox"/> Acidic Bedrk <input type="checkbox"/> Basic Bedrk <input type="checkbox"/> Carb. Bedrk	<input type="checkbox"/> Lacustrine <input type="checkbox"/> Riverine <input type="checkbox"/> Bottomland <input type="checkbox"/> Terrace <input checked="" type="checkbox"/> Valley Slope <input type="checkbox"/> Tableland <input type="checkbox"/> Roll, Upland <input type="checkbox"/> Cliff <input type="checkbox"/> Talus <input type="checkbox"/> Crevice/Cave <input type="checkbox"/> Alvar <input type="checkbox"/> Rockland <input type="checkbox"/> Beach / Bar <input type="checkbox"/> Sand Dune <input type="checkbox"/> Bluff	<input type="checkbox"/> Plankton <input type="checkbox"/> Submerged <input type="checkbox"/> Floating-LVD. <input checked="" type="checkbox"/> Graminoid <input type="checkbox"/> Forb <input type="checkbox"/> Lichen <input type="checkbox"/> Bryophyte <input type="checkbox"/> Deciduous <input type="checkbox"/> Coniferous <input type="checkbox"/> Mixed	<input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> River <input type="checkbox"/> Stream <input checked="" type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Fen <input type="checkbox"/> Bog <input type="checkbox"/> Barren <input type="checkbox"/> Meadow <input type="checkbox"/> Prairie <input type="checkbox"/> Thicket <input type="checkbox"/> Savannah <input type="checkbox"/> Woodland <input type="checkbox"/> Forest <input type="checkbox"/> Plantation

Stand Description

Layer	HT	CVR	Species in Order of Decreasing Dominance (up to 4 sp) (> Much Greater Than; > Greater Than; = About Equal To)
1			
2			
3			
4			

HT Codes: 7 < 0.2m 6 > 0.2-0.5m 5 > 0.5-1.2m 3 > 2-6m 2 > 6-25m 1 > 25m
 CVR Codes: 0 = none 1 0% - 10% 2 10 - 25% 3 25 - 50% 4 > 50%

Stand Composition: Size Class Analysis:

Standing Snags:	<10	10-24	25-50	>50
Deadfall / Logs:	<10	10-24	25-50	>50

Abundance Codes: N = None R = Rare O = Occasional A = Abundant

Community Profile Diagram/Comments

Com. Age: Pioneer Young Mid-Age Mature Old Growth

Excelsior: _____ Code: MARSH 3
 Vegetation Type: SOFTWOOD / MEADOW MARSH Code: _____
 Inclusion: _____ Code: _____
 Complex: _____ Code: _____

Notes: MAY/SAT MUSIC

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Pin Factor
						2
Total						100
Basal Area (BA)						
Dead:						

Soils Ontario and ELC Soils Description

PI/Auger #	Soils Ontario	ELC Soils Description	Summary
1	Zone Easting Northing Position Aspect Percent Slope Length	<u>17</u>	Moisture Regime
2	Molties Gley Water Table Carbonates Bedrock	<u>20cm</u>	Drainage
3	Depth from zero Texture	<u>0</u> <u>SIC</u>	Effective Texture (indicate below)
4	Depth from zero Texture	<u>20</u> <u>0</u>	
	Depth from zero Texture		
	Depth from zero Texture		
	Depth from zero Texture		
	% Surface Stone/Rock		
	Moisture Regime	<u>6 URM MARSH</u>	
	Drainage	<u>P1</u>	

Total SOCm

ELC
Community Description and Classification

Site: Blackburn 542 Polygon: CE16-14 P3

Surveyor(s): JES + Andrew Date: July 5, 2017 Time start: 8:30 Finish: 11:30

UTM Z: UTMZ: UTM X: UTM X: UTM Y: UTM Y:

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
<input checked="" type="checkbox"/> Terrestrial	<input type="checkbox"/> Organic	<input type="checkbox"/> Lacustrine	<input type="checkbox"/> Plankton	<input type="checkbox"/> Lake
<input type="checkbox"/> Wetland	<input type="checkbox"/> Mineral Soil	<input type="checkbox"/> Riverine	<input type="checkbox"/> Submerged	<input type="checkbox"/> Pond
<input type="checkbox"/> Aquatic	<input type="checkbox"/> Parent Min.	<input type="checkbox"/> Bottomland	<input type="checkbox"/> Floating-LVD	<input type="checkbox"/> River
	<input type="checkbox"/> Acidic Bedrk	<input type="checkbox"/> Terrace	<input type="checkbox"/> Graminoid	<input type="checkbox"/> Stream
	<input type="checkbox"/> Basic Bedrk	<input type="checkbox"/> Valley Slope	<input type="checkbox"/> Forb	<input type="checkbox"/> Marsh
<input type="checkbox"/> Open Water	<input type="checkbox"/> Carb. Bedrk	<input checked="" type="checkbox"/> Tableland	<input type="checkbox"/> Lichen	<input type="checkbox"/> Swamp
<input type="checkbox"/> Shallow Water		<input checked="" type="checkbox"/> Roll. Upland	<input checked="" type="checkbox"/> Bryophyte	<input type="checkbox"/> Fen
<input type="checkbox"/> Surficial Dep.		<input type="checkbox"/> Cliff	<input type="checkbox"/> Deciduous	<input type="checkbox"/> Bog
<input type="checkbox"/> Bedrock		<input type="checkbox"/> Talus	<input type="checkbox"/> Coniferous	<input type="checkbox"/> Barren
		<input type="checkbox"/> Crevice/Cave	<input type="checkbox"/> Mixed	<input type="checkbox"/> Meadow
<input checked="" type="checkbox"/> Natural		<input type="checkbox"/> Aiver		<input type="checkbox"/> Prairie
<input type="checkbox"/> Cultural		<input type="checkbox"/> Rockland		<input type="checkbox"/> Thicket
		<input type="checkbox"/> Beach / Bar		<input type="checkbox"/> Savannah
<input type="checkbox"/> Cover		<input type="checkbox"/> Sand Dune		<input type="checkbox"/> Woodland
<input type="checkbox"/> Open		<input type="checkbox"/> Bluff		<input checked="" type="checkbox"/> Forest
<input type="checkbox"/> Shrub				<input type="checkbox"/> Plantation
<input checked="" type="checkbox"/> Tree				

Stand Description

Layer	HT	CVR	Species In Order of Decreasing Dominance (up to 4 sp) (> Much Greater Than; > Greater Than; = About Equal To)
1	1	4	ACEBACC = FAGGRAN > PRUSIO > OS TRICE
2	2	2	FAGGRAN > ACEBACC
3	3	3	YIP > TRICE > CUCOBEV
4	4	4	

HT Codes: 1 < 0.2m 2 > 0.2-0.5m 3 > 0.5-1m 4 > 1-2m 5 > 2-8m 1 > 25m
 CVR Codes: 0 = none 1 0% - 10% 2 10 - 25% 3 25 - 50% 4 > 50%

Stand Composition: N = None R = Rare O = Occasional A = Abundant

Species	A	O	N	R	N
<10	A				
<10	N				
<10	O				
>50	A				
>50	N				
>50	O				

Abundance Codes: N = None R = Rare O = Occasional A = Abundant

Com. Age: Pioneer Young Mid-Age Mature Old Growth

EcoSite:	<u>DECIDUOUS FOREST</u>	Code:	<u>F00</u>
Vegetation Type:	<u>Day-First Singlemap Birch</u>	Code:	<u>F00S-2</u>
Inclusion:		Code:	
Complex:		Code:	

Community Profile Diagram/Comments

* Forest Day-First Singlemap Birch
 Deciduous Forest
 Birch, Day-First Singlemap Birch

Notes:

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Pinn	or
ACEBACC	HHH HHH					2
FAGGRAN	III					
Total	13					100
Basal Area (BA)	26					
Dead:						

Soils Ontario and ELC Soils Description

Site	Pin	Auger #	Description	Summary
1	13	448361		Moisture Regime
2	4820582			Drainage

Depth	Mottles	Gley	Water Table	Carbonates	Bedrock	Depth from zero	Texture	% CF	% CF	% CF	Effective Texture (Indicate below)
1						12cm	LFI				SI
2											
3											
4											

Soil Horizon Description	Depth from zero	Texture	% CF	% CF	% CF
1	12cm	LFI			
2					
3					
4					

Soil Horizon Description	Depth from zero	Texture	% CF	% CF	% CF
1	12cm	LFI			
2					
3					
4					

Bluewater Feature: 542_BLW1029

(Additional properties to be surveyed due to changes in the Centerline & Road layout)

Nov 4, 2011

October 17, 2011

100 Meters

0 25 50



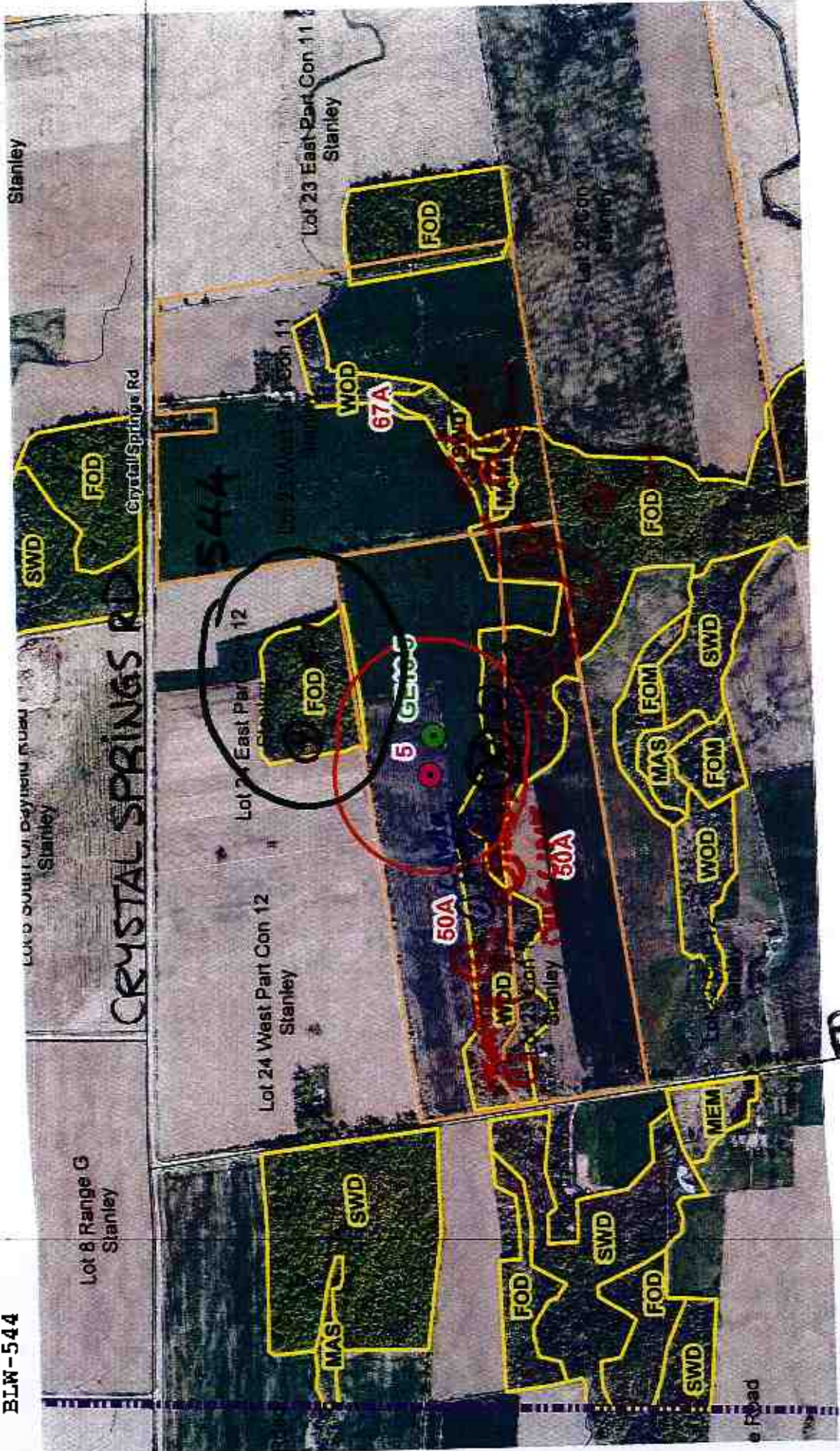
- Road
- Access/Collection Lim
- Survey Area Completed
- Access Buffer (171.5m)

- F Survey Completed
- Turbine Buffer/Feature not used
- Property Features
- Bluewater Wind Energy Centre



Turbin D
GE16-5, Siemens 5

BLW-544



Access: via property 50A
(Suggested) off of Bronson Line

BRONSON
LINE

Location:

Date: May 12, 2011

Observer: DJ

Job Number: 60155032

DICOT HERBS	1	2	3	4	5	6	1	2	3	4	5	6	MONOCOT HERBS	1	2	3	4	5	6
Achillea millefolium							Frigeron anisus						Plantago lanceolata						
Achillea pectinata							Erigeron philadelphicus						Plantago major						
Achillea rubra		X					Erigeron strigosus						Plantago rugelii						
Agellinus							Erythronium americanum						Podophyllum peltatum		X				
Agrimonia eupatoria							Eupatorium maculatum						Polygonum						
Ajuga reptans		X					Eupatorium perforatum						Polygonum						
Amaranthus retrofractus							Eupatorium rugosum						Polygonum						
Ambrosia artemisiifolia							Euphorbia						Polygonum lapathifolium						
Ampelodesmosmos							Eutrochium granifolium						Polygonum persicaria						
Anaphalis margaritacea							Fragaria virginiana		X				Potentilla						
Anemone							Fragaria vesca						Potentilla norvegica						
Anemone canadensis							Galeopsis tetrahyta						Potentilla recta						
Anemone virginiana							Galium						Pranthes alba						
Anemone nemorosa							Galium						Pranthes vulgaris						
Apocynum androsaemifolium							Galium palustre						Pyrola elliptica						
Apocynum cannabinum							Galium triflorum						Ranunculus						
Aquilegia canadensis							Geranium maculatum						Ranunculus abortivus						
Aralia nudicaulis							Geranium robertianum		X				Ranunculus acris						
Arcifolia							Geum aleppicum						Rudbeckia hirta						
Achillea							Geum canadense			X			Rumex acetosella						
Asarum canadense							Geum						Rumex crispus						
Asclepias incarnata							Glechoma hederacea						Rumex						
Asclepias syriaca							Hepatica acutiloba						Sanguinaria canadensis						
Aster							Thalictrum flavum						Sanguinaria canadensis						
Aster cordifolius							Thalictrum flavum						Sanguinaria canadensis						
Aster ericoides							Thalictrum flavum						Sanguinaria canadensis						
Aster lanceolatus							Thalictrum flavum						Sanguinaria canadensis						
Aster lateriflorus							Thalictrum flavum						Sanguinaria canadensis						
Aster macrophyllus							Thalictrum flavum						Sanguinaria canadensis						
Aster novae-angliae							Thalictrum flavum						Sanguinaria canadensis						
Aster paniculatus							Thalictrum flavum						Sanguinaria canadensis						
Barbarea vulgaris							Thalictrum flavum						Sanguinaria canadensis						
Bidens cernua							Thalictrum flavum						Sanguinaria canadensis						
Bidens frondosa							Thalictrum flavum						Sanguinaria canadensis						
Boehmeria cylindrica							Thalictrum flavum						Sanguinaria canadensis						
Caltha palustris							Thalictrum flavum						Sanguinaria canadensis						
Calystegia sepium							Thalictrum flavum						Sanguinaria canadensis						
Candollea diplycha		X					Thalictrum flavum						Sanguinaria canadensis						
Candollea diplycha		X					Thalictrum flavum						Sanguinaria canadensis						
Candollea diplycha		X					Thalictrum flavum						Sanguinaria canadensis						
Candollea diplycha		X					Thalictrum flavum						Sanguinaria canadensis						
Candollea diplycha		X					Thalictrum flavum						Sanguinaria canadensis						

SITE LOCATIONS

- 1: _____
- 2: _____
- 3: _____
- 4: _____
- 5: _____
- 6: _____

ELC WILDLIFE	SITE: <i>Blue Heron</i> 544	
	POLYGON: <i>6</i>	
	DATE: <i>12/5/11</i>	
	SURVEYORS: <i>DJ</i>	
	START TIME: <i>12:30</i>	END TIME: <i>12:49</i>

TEMP (°C): <i>18</i>	CLOUD (10th): <i>8</i>	WIND: <i>3</i>	PRECIPITATION: <i>Nil</i>
CONDITIONS: <i>warm, partly sunny</i>			

POTENTIAL WILDLIFE HABITAT:

<input checked="" type="checkbox"/> VERNAL POOLS	<input checked="" type="checkbox"/> SNAGS
<input type="checkbox"/> HIBERNACULA	<input checked="" type="checkbox"/> FALLEN LOGS

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
<i>B</i>	<i>OVEN</i>	<i>SM</i>		<i>1</i>					
<i>B</i>	<i>11/30R</i>	<i>SM</i>		<i>1</i>					
<i>B</i>	<i>LAIDT</i>	<i>SM</i>		<i>1</i>					
<i>B</i>	<i>NOEL</i>	<i>SM</i>		<i>1</i>					

FAUNAL TYPE CODES (TY):
 B = BIRD M = MAMMAL H = HERPETOFAUNA I = INSECTOPTERA F = FISH O = OTHER

EVIDENCE CODES (EV):

BREEDING BIRD - POSSIBLE:
 SH = SUITABLE HABITAT SM = SINGING MALE

BREEDING BIRD - PROBABLE:
 T = TERRITORY D = DISPLAY P = PAIR
 A = ANXIETY BEHAVIOUR N = NEST BUILDING V = VISITING NEST

BREEDING BIRD - CONFIRMED:
 DD = DISTRACTION NU = USED NEST FY = FLIGHTED YOUNG
 NE = EGGS NY = YOUNG FS = FOOD/FECAL SACK
 AE = NEST ENTRY

OTHER WILDLIFE EVIDENCE:
 OB = OBSERVED VO = VOCALIZATION CA = CARCASS
 DP = DISTINCTIVE PARTS HO = HOUSE/DEN FY = EGGS/YOUNG
 TK = TRACKS FE = FEEDING EVIDENCE SC = SCAT
 SI = OTHER SIGNS (specify)

Bluewater Feature: 545_BLW1479

(Properties that contain Features within 125m from Collection lines and 171.5m from Turbines)

- Legend
- Access/Collection Line
 - Collection Buffer (125m)
 - Turbine Buffer (171.5m)



August 29, 2011



- Unaffected/Current Interest
- In Use Buffer (171.5m) (Green)
- Property Buffer (125m) (Yellow)
- Renewable Wind Energy (30m) (Red)

