

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Tally 5	Total	% Area

Polygon: P2
Time start: _____ finish: _____
UTMZ: _____

Soils Ontario and ELC Soils Description

Site Metrics	Soils Ontario and ELC Soils Description				Summary
	P/Auger #	Zone	Easting	Northing	
UTM					Moisture Regime

Polygon: P2
Time start: _____ finish: _____
UTMZ: _____

Soils Ontario and ELC Soils Description

Depth to	Soils Ontario and ELC Soils Description				Effective Texture (indicate below)
	Mottles	Gley	Water Table	Carbonates	
1					% CF
2					% CF
3					% CF
4					% CF

Soil Horizon Description

Soil Horizon Description	Soils Ontario and ELC Soils Description				Effective Texture (indicate below)
	Depth from zero	Texture	Depth from zero	Texture	
1					% CF
2					% CF
3					% CF
4					% CF

Community Profile Diagram/Comments

Community Profile Diagram/Comments

Notes: _____

ELC
Community Description and Classification

Site: *Blw 442* Polygon: *P3*

Surveyor(s): *JD + TS* Date: *Oct 13, 2011* Time start: _____ finish: _____

UTMZ: _____ UTMZ: _____ UTMN: _____

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
<input checked="" type="checkbox"/> Terrestrial <input type="checkbox"/> Wetland <input type="checkbox"/> Aquatic <input type="checkbox"/> Open Water <input type="checkbox"/> Shallow Water <input checked="" type="checkbox"/> Surface 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 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 checked="" type="checkbox"/> Floating-LVD <input type="checkbox"/> Graminoid <input type="checkbox"/> Fort <input type="checkbox"/> Lichen <input type="checkbox"/> Bryophyte <input type="checkbox"/> Deciduous <input type="checkbox"/> Coniferous <input checked="" 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 Increasing Dominance (up to 4 sp)
1	2	4	<i>Red = Apple = ash sp = willow ✓</i>
2			
3	4	2	<i>Common Buckthorn >> Red Osier Dogwood</i>
4	7	1	<i>aster sp. = Solidago > Asters ✓</i>

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 Stage	<10	10-24	25-50	>50
Tree	R			
Shrub/Logs	R			

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

Community Profile Diagram/Comments

Disturbance: Pioneer Young Mid-Age Mature Old Growth

Species: *Fresh-Moist Lowland Deciduous Forest* *Feb 7*

Vegetation Type: *Fresh-Moist Willow Lowland Deciduous Forest* *Feb 7-3*

Structural Complexity: *Open*

Notes:

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Rel. Avn.	Prem Factor
<i>pear</i>							2
<i>English Hawthorn</i>							
<i>choke cherry</i>							
<i>sugar maple</i>							
<i>green Ash</i>							
TOTAL							
Mean Avn (m)							100
DBH							

Soils Ontario and ELC Soils Description

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

ELC WILDLIFE	SITE: <i>Blw 442</i>	
	POLYGON: <i>P3</i>	
	DATE: <i>oct 19, 2011</i>	
	SURVEYORS: <i>JD + TS</i>	
	START TIME:	END TIME:

TEMP (°C): <i>12°c</i>	CLOUD (10th): <i>over.</i>	WIND: <i>20-40</i>	PRECIPITATION: <i>Rain</i>
CONDITIONS: <i>cold, windy, fair</i>			

POTENTIAL WILDLIFE HABITAT:

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

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
<i>B</i>	<i>Am. Kestrel</i>	<i>OO</i>							

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)

442

Site: 442 Polygon: 7
 Surveyors: R.M. Date: Nov. 4/11 Time start: 8:42
 UTMZ: UTMN:

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
<input type="checkbox"/> Terrestrial <input checked="" type="checkbox"/> Wetland <input checked="" type="checkbox"/> Aquatic Site <input type="checkbox"/> Open Water <input type="checkbox"/> Shallow Water <input checked="" type="checkbox"/> Surficial Dep. <input checked="" type="checkbox"/> Bedrock	<input type="checkbox"/> Organic <input checked="" type="checkbox"/> Mineral Soil <input type="checkbox"/> Parent Min. <input type="checkbox"/> Acidic Bedrock <input type="checkbox"/> Basic Bedrock <input type="checkbox"/> Carb. Bedrock	<input type="checkbox"/> Lacustrine <input checked="" 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"/> 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 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 checked="" 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	3	2	<u>Norway Spruce = grey forested 5 ash</u>
2			
3			
4			

HT Codes: 7 < 0.2m 8 > 0.2-0.5m 9 > 0.5-1m 10 > 1-2m 11 > 2-4m 12 > 4-20m 13 > 20-40m 14 > 40-60m 15 > 60-80m 16 > 80-100m 17 > 100-150m 18 > 150-200m 19 > 200-250m 20 > 250-300m 21 > 300-350m 22 > 350-400m 23 > 400-450m 24 > 450-500m 25 > 500-550m 26 > 550-600m 27 > 600-650m 28 > 650-700m 29 > 700-750m 30 > 750-800m 31 > 800-850m 32 > 850-900m 33 > 900-950m 34 > 950-1000m

Stand Composition: Size Class Analysis:

Standing Snags:	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

Ecosite: 8 Mineral Forested Swamp Ecosite Code: SWT 2
Vegetation Type: Norway Spruce Thicket Swamp Type Code: SWT 2-10
Inclusion: Code:
Complex: Code:

Community Profile Diagram/Comments

- OCCUR along a grade system in high forest

Notes:

Tree Tally by Species

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

Soils Ontario and ELC Soils Description

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

- upstream is a drainage made through a agricultural field - appears to be guess
- drainage conveyed through corr. / tile drain at bend, pile of broken concrete
- downstream - creek is lined w/ shrubs.

VASCULAR PLANT CHECKSHEET

Location: BIW 442

Date: Oct 19, 2011

Observer: JD + TS

Job Number:

DICOT HERBS						MONOCOT HERBS												
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6	
Chilisa millifolia						Erigeron annuus						Plantago lanceolata						Alisma plantago-aquatica
Azusa paschopyoda						Erigeron philadelphicus						Plantago major						Allium tricoccum
Azusa rubra						Erigeron strigosus						Plantago rugelii						Allium
Aralias						Erythronium americanum						Podophyllum peltatum						Artemisia tridentata
Agrimonia gryposepala						Eupatorium maculatum						Polygonum						Asparagus officinalis
Alliaria petiolata						Eupatorium perforatum						Polygonum						Calla palustris
Amaranthus retrofractus						Eupatorium rugosum						Polygonum						Chionoxylon boreale
Ambrosia artemisiifolia						Euphorbia						Polygonum lapathifolium						Chionoxylon majus
Amphicarpaea bracteata						Euthamia graminifolia						Polygonum persicaria						Cypripedium calceolus
Anaphalis margaritacea						Fragaria virginiana			✓			Potentilla						Elymus canadensis
Anemone						Fragaria vesca						Potentilla norvegica						Epipactis helleborine
Anemone canadensis						Galeopsis tetralix						Potentilla recta						Erythronium americanum
Anemone virginiana						Gallium						Prunella alba						Hemerocallis fulva
Anemone neglecta						Gallium						Prunella vulgaris						Iris versicolor
Apocynum androsaemifolium						Gallium palustre						Pyrola elliptica						Linum catharticum
Apocynum cannabinum						Gallium triflorum						Ranunculus						Lamium tricolor
Asplenium canadense						Geranium maculatum						Ranunculus abortivus						Utricularia
Aster nudicaulis						Geranium robertianum						Ranunculus acris						Melanthium canadense
Aster multiflorus	✓					Geum alepolicum						Rudbeckia hirta				✓		Melanthium racemosum
Artemisia						Geum canadense						Rumex acetosella						Melanthium striatum
Asarum canadense						Geum						Rumex crispus			✓			Patanthera
Asclepias incarnata						Glechoma hederacea						Rumex						Portulaca oleraceae
Asclepias syriaca						Hepatica scutellata						Sanguinaria canadensis						Polygonatum pubescens
Aster						Hesperis matronalis						Sanicula marilandica						Potamogeton crispus
Aster cordifolius						Hieracium aurantiacum						Saponaria officinalis						Potamogeton pedunculatus
Aster ericoides						Hieracium caespitosum						Sedum vulgare						Potamogeton
Aster lanceolatus	✓	✓				Hieracium						Scutellaria galericulata						Potamogeton
Aster laevis						Hydrophyllum virginianum						Silene vulgaris						Potamogeton
Aster macrophyllum						Hypericum perforatum						Sium suave						Sagittaria latifolia
Aster novae-angliae						Impatiens capensis						Solanum dulcamara						Silybum marianum
Aster purpureus						Impatiens						Solidago			✓	✓		Smilax horrida
Barbarea vulgaris						Lactuca			✓			Solidago altissima			✓	✓		Spiranthes cernua
Bidens cernua						Laportea canadensis						Solidago caesia						Spiranthes polytricha
Bidens frondosa						Lappula communis						Solidago canadensis						Strophotus roseus
Boehmeria cylindrica						Leonurus cardiaca						Solidago flexicaulis						Trillium erectum
Calla palustris						Lepidium						Solidago gigantea						Trillium grandiflorum
Calypso selago						Linaris vulgaris						Solidago nemoralis						Utricularia grandiflora
Cardamine diphylla						Lithospermum officinale						Solidago rugosa						
Cardamine						Labella						Sonchus oleraceus						
Caulophyllum thalictroides						Labella intala						Sonchus asper						
Cerastium fontanum						Lactuca corniculata						Stellaria						
Cerastium ciliatum						Lycopus americanus						Tamoxifen vulgare						
Cerastium munitum						Lycopus						Thalictrum flavum						
Chenopodium album						Lysimachia clethra						Thalictrum glaucum						
Chenopodium minus						Lythrum salicaria						Thalictrum pubescens						
Chrysanth. leucanthemum						Medicago lupulina						Thalictrum minus						
Cichorium intybus						Medicago sativum						Thalictrum minus						
Cicuta						Melilotus alba						Thlaspi arvense						
Cirsium lanolinosa	✓					Mentha arvensis			✓			Thlaspi arvense						
Cirsium vulgare						Mimulus ringens						Trifolium pratense						
Clematis virginiana						Mimulus ringens						Trifolium repens						
Clintonia borealis						Mitella diphylla						Trifolium repens						
Coryzopsis americana						Mitella diphylla						Trifolium repens						
Coronilla varia						Morone glauca						Trifolium repens						
Cyananthus americanus						Mycosotis						Trifolium repens						
Cyanoglossum officinale						Nasturtium officinale						Trifolium repens						
Daucus carota	✓	✓				Nepeta cataractae						Trifolium repens						
Desmodium canadense						Nepeta cataractae						Trifolium repens						
Dianthus armeria						Nepeta cataractae						Trifolium repens						
Dipsacus fullonum						Nepeta cataractae						Trifolium repens						
Echinochloa luteola						Oxalis stricta						Trifolium repens						
Echium vulgare						Pteris aquilina						Trifolium repens						
Epilobium						Physalis heterophylla						Trifolium repens						
Epilobium ciliatum												Trifolium repens						
Epilobium hirsutum												Trifolium repens						
Epilobium parviflorum												Trifolium repens						
Synp. 1106-20						✓												

SITE LOCATIONS

- 1: SWW CUM
- 2: SWW
- 3: FOO
- 4: SWT 210
- 5:
- 6:

CONIFERS						TREES and SHRUBS						GRAMINOIDS					
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
Abies balsamea						+ Rosa multiflora						Agrostis gigantea					
Juniperus communis						Rosa						Agrostis stolonifera					
Juniperus virginiana		✓				Rubus allegheniensis						Agropyron repens					
Larix laricina						Rubus idaeus		✓				Alopecurus					
Picea abies		✓				Rubus occidentalis						Bromus inermis					
Picea glauca						Rubus odoratus						Calamagrostis canadensis					
Pinus resinosa		✓				Rubus pubescens						Carex arctata					
Pinus strobus						Salix alba			✓			Carex aurea					
Pinus sylvestris						Salix amygdaloides						Carex bebbii					
Thuja occidentalis		✓	✓			Salix bebbiana						Carex blanda					
Tsuga canadensis						+ Salix discolor						Carex gracillima					
						Salix eriocephala						Carex granularis					
						Salix exigua						Carex hystericina					
						Salix lucida						Carex pennsylvanica					
						Salix petiolaris						Carex radiata					
TREES and SHRUBS						+ Salix purpurea						Carex retrorsa					
Acer negundo		✓				Salix x rubens						Carex stipata					
Acer rubrum						+ Salix sp						Carex stricta					
Acer saccharinum						Sambucus canadensis		✓	✓			Carex vulpinoidea					
Acer saccharum		✓	✓			Sambucus racemosa						Carex					
Acer spicatum						Sorbus aucuparia						Carex					
Alnus rugosa						Spiraea alba						Carex					
Amelanchier						Syringa vulgaris				✓		Carex					
Berberis thunbergii						+ Tilia americana				✓		Carex					
Betula alleghaniensis			✓			Ulmus americana				✓		Carex					
Betula papyrifera						Ulmus						Carex					
Carpinus caroliniana						Vaccinium					✓	Carex					
Carya cordiformis			✓			Viburnum lantago					✓	Carex					
Celastrus scandens						Viburnum opulus						Cyperus					
Cornus alternifolia						Viburnum						Cyperus					
Cornus amomum			✓	✓		Vitis riparia				✓		Dactylis glomerata					
Cornus rugosa												Danthonia spicata					
Cornus stolonifera		✓	✓	✓		Gleditsia tria				✓		Echinochloe crus-galli					
Corylus cornuta						Echinocystis loba				✓		Eleocharis erythropoda					
Crataegus monogyna		✓	✓			Crataegus sp.				✓		Eleocharis					
Crataegus punctata						Pyrus communis				✓		Elymus virginicus					
Crataegus sp.												Elymus					
Crataegus												Festuca arundinacea					
Diervilla lonicera												Glyceria striata					
Fagus grandifolia												Glyceria					
Fraxinus americana						FERNS						Juncus dudleyi					
Fraxinus nigra						Adiantum pedatum						Juncus effusus					
Fraxinus pennsylvanica			✓			Athyrium filix-femina						Juncus tenuis					
Ilex verticillata						Botrychium multifidum						Juncus					
Juglans cinerea						Botrychium virginianum						Juncus					
Juglans nigra						Cystopteris bulbifera						Leersia oryzoides					
Lonicera morrowi						Dryopteris carthusiana						Muhlenbergia					
Lonicera tartarica						Dryopteris cristata						Oryzopsis asperifolia					
Lonicera						Dryopteris marginalis						Panicum					
Malus pumila		✓	✓			Dryopteris						Panicum					
Ostrya virginiana						Equisetum						Panicum					
Parthenocissus inserta						Equisetum arvense						Phalaris arundinacea					✓
Populus balsamifera						Equisetum hyemale						Phleum pratense					
Populus grandidentata						Equisetum variegatum						Phragmites australis					
Populus tremuloides		✓	✓			Equisetum						Poa compressus					
Populus						Gymnocarpium dryopteris						Poa pratensis					
Prunus pennsylvanica						Lycopodium digitatum						Poa					
Prunus serotina						Lycopodium obscurum						Scirpes atrovirens					
Prunus virginiana						Lycopodium						Scirpus cyperinus					
Prunus						Lycopodium						Scirpus validus					
Quercus macrocarpa						Mataca struthiopteris						Scirpus					
Quercus rubra						Oxoclea sensibilis						Scirpus					
Quercus						Osmunda cinnamomina						Setaria pumila					✓
Rhamnus cathartica		✓				Osmunda regalis						Sparganium					
Rhus radicans						Polystichum acrostichoides						Typha angustifolia					
Rhus typhina						Pteridium aquilinum						Typha latifolia					
Ribes americana						Thelypteris palustris						Typha glauca					
Ribes cynosbati																	
Ribes x rubrum																	
Robinia pseudo-acacia																	
Ribes sp.		✓		✓													
Rhus hirta			✓														

Bluewater Feature: 450_BLW1067

(Additional properties to be surveyed due to encroaches in the Collection & Road layout)

October 17, 2011

Scale: 0, 30, 60, 120 Meters

North Arrow

Reedle Access/Collection Line Survey to be Completed Turbidity Buffer (171.5m)

BLW Survey Completed
Turbidity Buffer/Feature Interests
Property Points
Bluewater Wetland Feature Overlay



Leased

Leased

No Access

cul 3-2

BLW1071

BLW1066

BLW1063

BLW1054

BLW1045

BLW1062

18
19

ELC
Community Classification

Site: BLW 450

Surveyor(s): JD+TS Date: Oct 19, 2011 Polygon: 1 Time start: _____ finish: _____

UTMZ: 17 T UTMZ: 4812329 UTMN: 0447013

Polygon Description

System	Substrate	Topographic Features	Plant Form	Community
<input type="checkbox"/> Terrestrial <input type="checkbox"/> Wetland <input type="checkbox"/> Aquatic <input type="checkbox"/> Site	<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 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"/> 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 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"/> 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)
1	2	4	Sugar maple >>> white Ash = choke cherry
2	3	2	Sugar maple >>> choke cherry
3			
4	6	1	Aster sp = Sugar maple regrowth

HT Codes: 7 < 0.2m 8 > 0.2-0.5m 9 > 0.5-1m 4 > 1-2m 3 > 2-3m 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:

Size Class	HT < 10	10-24	25-50	> 50
Standing Age	R	< 10	10-24	25-50
Depthfall Log	< 10	O-A	10-24	25-50

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

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

Vegetation: FOD Sugar maple deciduous forest Code: FODS

Type: Open Forest Sugar Maple deciduous Code: FODS-1

Inclusion: Forest sp Code: _____

Denotes: _____

Community Profile Diagram/Comments

Notes: marked trees - Highland Forest
 90% Sugar maple - 10% Ash sp. - deciduous

Tree Tally by Species

Species	Tally	Total	% of Total	Print Factor
Sugar maple	7	14	50%	2
Choke cherry	7	14	50%	2

Soils Ontario and ELC Soils Description

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

ELC Site: Blw 450 Polygon: P2
 Community Description and Classification Surveyor(s): JD + TS Date: Oct 19, 2011 Time start: _____ finish: _____
 UTMZ: 17C UTMX: 1812524 UTMN: 0449013

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
<input checked="" 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 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"/> Crevices/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 type="checkbox"/> Forest <input type="checkbox"/> Plantation

Stand Description

Layer	HT	OVR
1	6	H
2		
3		
4		

Species in Order of Decreasing Dominance (up to 4 sp):
 (as Much Greater Than 3: Greater Than 2: About Equal To)

White Pine

HT Codes: 7 < 0.2m 6 > 0.2-0.5m 5 > 0.5-1m 4 > 1-2m 3 > 2-8m 2 > 6-25m 1 > 25m
 OVR 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:	R	R	R	R

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

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

Ecotype: Coniferous Pine Code: CP
Vegetation Type: White Pine (with 50% Forest) Code: CP32
Inclusion: Code: _____
Complex: Code: _____

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Cal. Avg.
Total						100
White Pine (Bx)						
Other						

Soils Ontario and ELC Soils Description

Soil Horizon Description	Pit/Auger #				Summary	
	UTM	Zone	Easting	Northing		
Depth to ...	Site Metrics	Slope	Position	Aspect	Moisture Regime	
			Percent	Slope		
	Mottles	Gley	Water Table	Carbonates	Bedrock	Drainage
Soil Horizon Description	1	Depth from zero	Texture	% CF	% CF	
						2
	3	Depth from zero	Texture	% CF	% CF	
						4
% Surface Stones/Rock		Moisture Regime				
Drainage						

VASCULAR PLANT CHECKSHEET

Location: Blw 450

Date: Oct 17, 2011

Observer: JDT/S

Job Number:

Table with columns for Dicot herbs and Monocot herbs, each with sub-columns 1-6. The table lists numerous plant species and their corresponding checkmarks across the six columns.

- 1: FOD
2: TAGM
3:
4:
5:
6:

SITE LOCATIONS

CONIFERS						TREES and SHRUBS						GRAMINOIDS					
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
Abies balsamea						+ Rosa multiflora						Agrostis gigantea					
Juniperus communis						Rosa						Agrostis stolonifera					
Juniperus virginiana						Rubus allegheniensis						Agropyron repens					
Larix laricina						Rubus idaeus			✓			Alopecurus					
Picea abies						Rubus occidentalis						Bromus inermis					
Picea glauca						Rubus odoratus						Calamagrostis canadensis					
Pinus resinosa						Rubus pubescens						Carex acutata					
Pinus strobus		✓				Salix alba						Carex aurea					
Pinus sylvestris						Salix amygdaloides						Carex bebbii					
Thuja occidentalis						Salix bebbiana						Carex blanda					
Tsuga canadensis						* Salix discolor						Carex gracillima					
						Salix eriocephala						Carex granularis					
						Salix nigra						Carex hystericina					
						Salix lucida						Carex pennsylvanica					
						Salix petiolaris						Carex radiata					
TREES and SHRUBS						+ Salix purpurea						Carex retrosa					
Acer negundo						Salix x rubens						Carex stipata					
Acer rubrum						+ Salix						Carex stricta					
Acer saccharinum						Sambucus canadensis						Carex vulpinoidea					
Acer saccharum		✓				Sambucus racemosa						Carex					
Acer spicatum						Sorbus aucuparia						Carex					
Alnus rugosa						Spiraea alba						Carex					
Amelanchier						Syringa vulgaris						Carex					
Berberis thunbergii						* Tilia americana						Carex					
Betula alleghaniensis		✓				Ulmus americana			✓			Carex					
Betula papyrifera						Ulmus						Carex					
Carpinus caroliniana						Vaccinium						Carex					
Carya cordiformis						Viburnum lentago						Carex					
Celastrus scandens						Viburnum opulus						Cyperus					
Cornus alternifolia						Viburnum						Cyperus					
Cornus amomum						Vitis riparia						Dactylis glomerata					
Cornus rugosa												Danthonia spicata					
Cornus stolonifera												Rhinocloa crus-galli					
Corylus cornuta												Eleocharis erythropoda					
Crataegus monogyne												Eleocharis					
Crataegus punctata												Elymus virginicus					
Crataegus sp.												Elymus					
Crataegus												Festuca arundinacea					
Diervilla lonicera												Glyceria striata					
Fagus grandifolia												Glyceria					
Fraxinus americana		✓										Juncus dudleyi					
Fraxinus nigra						FERNS						Juncus effusus					
Fraxinus pennsylvanica						Adiantum pedatum						Juncus tenuis					
Ilex verticillata						Athyrium filix-femina						Juncus					
Juglans cinerea						Botrychium multifidum						Juncus					
Juglans nigra						Botrychium virginianum						Leersia oryzoides					
Lonicera morrow						Cystopteris bulbifera						Muhlenbergia					
Lonicera tatarica						Dryopteris carthusiana						Oryzopsis asperifolia					
Lonicera						Dryopteris cristata						Panicum					
Malus pumila						Dryopteris marginalis						Panicum					
Ostrya virginiana		✓				Dryopteris						Phalaris arundinacea					
Parthenocissus inserta						Equisetum arvense						Phleum pratense					
Populus balsamifera						Equisetum hyemale						Phragmites australis					
Populus grandidentata						Equisetum variegatum						Poa compressus					
Populus tremuloides						Equisetum						Poa pratensis					
Populus						Gymnocarpium dryopteris						Poa					
Prunus pennsylvanica						Lycopodium digitatum						Scirpus atrovirens					
Prunus serotina		✓				Lycopodium obscurum						Scirpus cyperinus					
Prunus virginiana		✓				Lycopodium						Scirpus validus					
Prunus						Lycopodium						Scirpus					
Quercus macrocarpa						Mattuceia struthiopteris						Scirpus					
Quercus rubra						Osmoclea sensibilis						Setaria					
Quercus						Osmunda cinnamomina						Sparganium					
Rhamnus cathartica						Osmunda regalis						Typha angustifolia					
Rhus radicans						Polystichum acrostichoides						Typha latifolia					
Rhus typhina						Pteridium aquilinum						Typha X glauca					
Ribes americana						Thelypteris palustris											
Ribes cynosbati																	
Ribes x rubrum																	
Robinia pseudo-acacia																	

ELC WILDLIFE	SITE: Blw 450	
	POLYGON: 1	
	DATE: Oct 19, 2011	
	SURVEYORS: JD, TS	
	START TIME:	END TIME:

TEMP (°C): 12°	CLOUD (10th): overcast	WIND: 20-40	PRECIPITATION: Rain
CONDITIONS: cold, windy - rain			

POTENTIAL WILDLIFE HABITAT:

<input checked="" type="checkbox"/> VERNAL POOLS	<input checked="" type="checkbox"/> SNAGS
<input type="checkbox"/> HIBERNACULA	<input type="checkbox"/> FALLEN LOGS
<input type="checkbox"/> Skidder tracks leaving vernal pools	

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
M	grey squirrel	OB							
B	downy woodpecker	OB							
M	white-tailed deer	TK							

- 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)

456 BLW1455

Bluewater Feature: 456_BLW1455

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



August 25, 2011

- Collector/Feature Intersect
- Access/Collector Line
- Collector Buffer (150m)
- Timber Buffer (17.5m)
- Gasline
- Bluewater Venc Line's Centre



ELC Site: 456_BLW1455 Polygon: A
 Community Description and Classification Surveyor(s): JK Date: Sept 28/11 Time start: 13:30 finish:
 UTMZ: 449650 UTMN: 4813105

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
<input type="checkbox"/> Terrestrial <input type="checkbox"/> Wetland <input type="checkbox"/> Aquatic <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 type="checkbox"/> Bottomland <input type="checkbox"/> Terrace <input type="checkbox"/> Valley Slope <input type="checkbox"/> Tableland <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 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	<input type="checkbox"/> Natural <input type="checkbox"/> Cultural			
Cover	<input type="checkbox"/> Open <input type="checkbox"/> Shrub <input 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	2-4	1	Fragaria > Fragaria - Pruselo > Acer sac
2	3	1	Ace sac
3	3	1	Fraxinus - Acer sac
4	6	2	Albet - Fraxinus - Pruselo - V. pube

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 > 60%

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

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

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

Ecotope:	
Vegetation Type:	White Ash - Beech
Inclusion:	
Complex:	

Community Profile Diagram/Comments

Distributed throughout by small size + edge effects.
 Many dead trees lying on ground, uprooted (wind-storms?)
 Several dead Sitka spruce & Hicoria in ground, but no live ones present.

* Turn Over

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Prism Factor
Total						2
Basal Area (BA)						
Dead						

Soils Ontario and ELC Soils Description

Site Metrics		Soils Ontario and ELC Soils Description				Summary
UTM	Zone					
	Easting					
	Northing					
	Position					
	Aspect					
	Percent					
	Slope					
	Length					
	Mottles					
	Gley					
	Water Table					
	Carbonates					
	Bedrock					
Depth to...	1	Depth from zero	% CF	% CF	% CF	% CF
		Texture				
	2	Depth from zero	% CF	% CF	% CF	% CF
		Texture				
Soil Horizon Description	3	Depth from zero	% CF	% CF	% CF	% CF
		Texture				
	4	Depth from zero	% CF	% CF	% CF	% CF
		Texture				
	% Surface Stone/Rock					
	Moisture Regime					
	Drainage					

D Mature + Continuous Canopy Verdure Hedgerow
on S side of Woodlot

Acesacm > Fraamer >> Tilamer - Ulmamer

ELC
 a community
 Description card
 classification

Site: 456 BLW 1455 Polygon: B
 Survivors: JK Date: Sept 28 Time start: 13:30 finish:
 UTMZ: 449675 UTMN: 4813745

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"/> 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"/> Crevice/Cave <input type="checkbox"/> Alvar <input type="checkbox"/> Rockland <input type="checkbox"/> Beach / Bar <input type="checkbox"/> Sand Dune <input type="checkbox"/> Bluff <i>Exposition</i>	<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	2	7
2	3	7
3		
4	5/6	7

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

Stand Composition: Site Class Analysis:

	< 10	10-24	25-50	> 50
Standing Snags:	< 10	A	0	> 50
Deadfall / Logs:	< 10	0	0	> 50

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

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

Ecotope:
 Vegetation Type: Green Ash Swamp
 Code: SWD 2-2

Inclusion:
 Code:
 Complex:
 Code:

Community Profile Diagram/Comments
 Flooded & disjunct Green Ash Swamp
 most of trees dead, in stands, water up to 50cm deep.
 flood may result from drainage blocking

Notes:

Tree Tally by Species

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

Soils Ontario and ELC Soils Description

PIV/Auger #	Moisture Regime	Drainage	Effective Texture (Indicate below)	% CF
1				% CF
2				% CF
3				% CF
4				% CF
% Surface Stone/Rock				
Moisture Regime				
Drainage				

ELC
Community Description and Classification

Site: 456 Blw 1455 Polygon: C
 Surveyor(s): Date: Sept 28 Time start: 14:00 finish:
 UTMZ: UTMZ: 449670 UTMN: 4813070

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
<input 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 Bedk	<input type="checkbox"/> Terrace	<input type="checkbox"/> Graminoid	<input type="checkbox"/> Stream
<input type="checkbox"/> Open Water	<input type="checkbox"/> Basic Bedk	<input type="checkbox"/> Valley Slope	<input type="checkbox"/> Forb	<input type="checkbox"/> Marsh
<input type="checkbox"/> Shallow Water	<input type="checkbox"/> Carb. Bedk	<input type="checkbox"/> Tableland	<input type="checkbox"/> Lichen	<input type="checkbox"/> Swamp
<input type="checkbox"/> Surficial Dep.	<input type="checkbox"/> Bedrock	<input type="checkbox"/> Roll, Upland	<input type="checkbox"/> Bryophyte	<input type="checkbox"/> Fen
		<input type="checkbox"/> Cliff	<input checked="" type="checkbox"/> Deciduous	<input type="checkbox"/> Bog
History		<input type="checkbox"/> Talus	<input type="checkbox"/> Coniferous	<input type="checkbox"/> Barron
<input type="checkbox"/> Natural		<input type="checkbox"/> Crevice/Cave	<input type="checkbox"/> Mixed	<input type="checkbox"/> Meadow
<input type="checkbox"/> Cultural		<input type="checkbox"/> Alvar		<input type="checkbox"/> Prairie
Cover		<input type="checkbox"/> Rockland		<input type="checkbox"/> Thicket
<input type="checkbox"/> Open		<input type="checkbox"/> Beach / Bar		<input type="checkbox"/> Savannah
<input type="checkbox"/> Shrub		<input type="checkbox"/> Sand Dune		<input type="checkbox"/> Woodland
<input type="checkbox"/> Tread		<input type="checkbox"/> Bluff		<input checked="" type="checkbox"/> Forest
				<input type="checkbox"/> Plantation

Stand Description

Layer	HT	CVR	Species In Order of Decreasing Dominance (up to 4 sp)
1	2	4	Acesac > Prusero > Tlaxer - Firmer
2	3	2	Acesac
3	3	2	Acesac - Prusero
4	6	2	Fruiter - Mairee - Acesac

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

Stand Composition: Size Class Analysis:

<10	10-24	25-50	>50
0	A	A	A

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

Ecosite: Code: FODS-7

Vegetation Type: A-F Sugar Maple - Bl. Cherry

Inclusion: Code:

Complex: Code:

Community Profile Diagram/Comments

mostly large trees.

Tree Tally by Species

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

Prism factor: 2

Soils Ontario and ELC Soils Description

Site Metrics	Site	Summary		
Zone		Moisture Regime		
Easting				
Northing				
Position				
Aspect				
Percent		Drainage		
Slope				
Length				
Mottles		Effective Texture (Indicate below)		
Gley				
Water Table				
Carbonates				
Bedrock				
1	Depth from zero	% CF	% CF	% CF
	Texture			
2	Depth from zero	% CF	% CF	% CF
	Texture			
3	Depth from zero	% CF	% CF	% CF
	Texture			
4	Depth from zero	% CF	% CF	% CF
	Texture			
	% Surface Stone/Rock			
	Moisture Regime			
	Drainage			

VASCULAR PLANT CHECKSHEET

Location: 456 BLW 1455

Date: Sept 28 / 2011

Observer: Kawstra

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						Plantago lanceolata					Alisma plantago-aquatica
Actaea pachypoda						Erigeron philadelphicus						Plantago major					Allium tricoccum
Actaea rubra						Erigeron strigosus						Plantago rugelii					Allium
Agalinus						Erythronium chamanoides						Podophyllum peltatum					Arisaema triphyllum
Agrimonia gryposepala						Eupatorium maculatum						Polygonum					Asparagus officinalis
Alliaria petiolata	X					Eupatorium perfoliatum						Polygonum					Cella palustris
Amaranthus retroflexus						Eupatorium rugosum						Polygonum					Clintonia borealis
Ambrosia artemisiifolia						Euphorbia						Polygonum lapathifolium					Conoclinium majus
Amphicarpaea baccata						Euthamia graminifolia						Polygonum persicaria					Cypripedium calceolus
Anaphalis margaritacea						Fragaria virginiana	X					Potentilla					Diodea canadensis
Anemone						Fragaria vesca						Potentilla norvegica					Epipactis helleborine
Anemone canadensis						Galatopsis tetrahit						Potentilla recta					Erythronium americanum
Anemone virginiana						Galium						Prenanthes alba					Hemerocallis fulva
Antennaria neglecta						Galium						Prunella vulgaris	X				Iris versicolor
Apocynum androsaemifolium						Galium palustre						Pyrola elliptica					Lemna minor
Apocynum cannabinum						Galium triflorum						Ranunculus					Lemna trilineata
Aquilegia canadensis						Geranium maculatum						Ranunculus abortivus					Lilium
Aralia nudicaulis						Geranium robertianum	X					Ranunculus acris					Melantherum canadense
Arcalum minus						Geum aleppicum						Rudbeckia hirta					Melantherum racemosum
Aster						Geum canadense						Rumex acetosella					Melantherum stollata
Aster cordifolius						Geum latifolium	X					Rumex crispus					Plectanthera
Aster ericoides						Glechoma hederacea						Rumex					Pontederia cordata
Aster lanceolatus	X					Hepatica scutellata						Sanguinaria canadensis					Polygonatum pubescens
Aster latifolius						Hesperis matronalis						Sarcocolla marilandica					Potamogeton crispus
Aster macrophyllus						Hieracium aurantiacum						Saponaria officinalis					Potamogeton pectinatus
Aster novae-angliae						Hieracium cespitosum						Satureja vulgaris					Potamogeton
Aster paniculatus						Hieracium						Scutellaria galericulata					Potamogeton
Barbarea vulgaris						Hydrophyllum virginianum						Silene vulgaris					Sagittaria latifolia
Bidens cernua						Hypochaeris perforatum						Sium suave					Sternochloa montanum
Bidens frondosa						Impatiens capensis						Solanum dulcamara	X				Smilax herbacea
Boehmeria cylindrica						Inula helenium						Solidago					Spiranthes cernua
Caltha palustris						Lactuca						Solidago altissima	X				Spirodela polytricha
Calystegia sepium						Lappula canadensis						Solidago caesia					Streptopus roseus
Cardamine diphylla						Lapsana communis						Solidago canadensis					Trifolium erectum
Cardamine						Leonurus cardiaca						Solidago flexicaulis					Trifolium grandiflorum
Caulophyllum thalictroides						Lepidium						Solidago gilgertea					Uvularia grandiflora
Cerastium fontanum						Linaris vulgaris						Solidago nemoralis					
Ceratophyllum demersum						Lithospermum officinale						Solidago rugosa					
Chalidonium majus						Lobelia						Sonchus oleraceus					
Chenopodium album						Lobelia inflata						Syntherisma					
Chrysanth. leucanthemum						Lolium comiculatum						Stellaria					
Cichorium intybus						Lycopus americanus	X					Tanacetum vulgare					
Cicuta						Lycopus						Taraxacum officinale	X				
Circaea leucostema	X					Lysimachia ciliata						Thalictrum dioicum					
Cirsium arvense						Lytium salicaria						Thalictrum pubescens					
Cirsium vulgare						Medicago lupulina						Tiarella cordifolia					
Clematis virginiana						Medicago sativum						Trigonopogon pratensis					
Clinantia borealis						Mellilotus alba						Trientalis borealis					
Coryza canadensis						Mentha arvensis						Trifolium					
Coronilla varia						Mimulus ringens						Trifolium pratense					
Cynanchum rossicum						Mimulus ringens						Trifolium repens					
Cynoglossum officinale						Mitella diphylla						Tussilago farfara					
Daucus carota						Monarda fistulosa						Urtica dioica					
Desmodium canadense						Myosotis						Utricularia vulgaris					
Dianthus amurensis						Nasturtium officinale						Verbascum thapsus					
Dipsacus fullonum						Nepeta cataria						Verbena hastata					
Echinopsys lobata						Nuphar variegatum						Verbena urticifolia					
Echium vulgare						Nymphaea odorata						Veronica					
Epilobium						Oenothera biennis						Veronica officinalis					
Epilobium alatum						Osmorhiza						Viola cracca					
Epilobium hirsutum						Obolus stricta						Viola tetrasperma					
Epilobium parviflorum						Phytolacca heterophylla						Viola					
												Viola pubescens		X			
												Viola sororia		X			

SITE LOCATIONS

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

1 CONIFERS						TREES and SHRUBS						GRAMINOIDS					
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
Abies balsamea						+ Rosa multiflora						Agrostis gigantea					
Juniperus communis						Rosa						Agrostis stolonifera					
Juniperus virginiana						Rubus allegheniensis						Agropyron repens					
Larix laricina						Rubus idaeus		X				Alopecurus					
Picea abies						Rubus occidentalis		X				Bromus inermis					
Picea glauca						Rubus odoratus						Calamagrostis canadensis					
Pinus resinosa						Rubus pubescens						Carex arctata					
Pinus strobus						Salix alba						Carex aurea					
Pinus sylvestris						Salix amygduloides		X				Carex bebbii					
Thuja occidentalis						Salix bebbiana						Carex blanda					
Tsuga canadensis						+ Salix discolor						Carex gracillima					
						Salix eriocephala						Carex granularis					
						Salix exigua						Carex hystericina					
						Salix lucida						Carex pensylvanica					
						Salix petiolaris						Carex radiata					
						+ Salix purpurea						Carex retrosa					
TREES and SHRUBS						Salix x rubens						Carex stipata					
Acer negundo						Salix						Carex stricta					
Acer rubrum						+ Sambucus canadensis						Carex vulpinoidea					
Acer saccharinum						Sambucus racemosa						Carex					
Acer saccharum	X					Sorbus aucuparia						Carex					
Acer spicatum						Spiraea alba						Carex					
Alnus rugosa						Syringa vulgaris						Carex					
Amelanchier <i>laevis</i>	X					+ Tilia americana			X			Carex					
Berberis thunbergii						Ulmus americana			X			Carex					
Betula alleghaniensis						Ulmus						Carex					
Betula papyrifera						Vaccinium						Carex					
Carpinus caroliniana						Viburnum lentago			X			Carex					
Carya cordiformis						Viburnum opulus						Cyperus					
Celastrus scandens						Viburnum						Cyperus					
Cornus alternifolia						Vitis riparia			X			Dactylis glomerata			X		
Cornus amomum												Danthonia spicata					
Cornus rugosa <i>banisa</i>	X											Echinochloa crus-galli					
Cornus stolonifera												Eleocharis erythropoda					
Corylus cornuta												Eleocharis					
Crataegus monogyna												Flymus virginicus					
Crataegus punctata												Elymus					
Crataegus sp.												Festuca arundinacea					
Crataegus <i>macracarpa</i>	X											Glyceria striata					
Diervilla lonicera												Glyceria					
Fagus grandifolia												Juncus dudleyi					
Fraxinus americana		X				FERNS						Juncus effusus					
Fraxinus nigra						Adiantum pedatum						Juncus tenuis					
Fraxinus pennsylvanica		X				Athyrium filix-femina						Juncus					
Ilex verticillata						Botrychium multifidum						Juncus					
Juglans cinerea						Botrychium virginianum						Leersia oryzoides			X		
Juglans nigra						Cystopteris bulbifera						Muhlenbergia					
Lonicera Morrowi						Dryopteris carthustiana						Oryzopsis asperifolia					
Lonicera tatarica						Dryopteris cristata						Panicum					
Lonicera						Dryopteris marginalis						Panicum					
Malus pumila						Dryopteris						Phalaris arundinacea					
Ostrya virginiana						Equisetum arvense						Phleum pratense					
Parthenocissus inserta		X				Equisetum hyemale						Phragmites australis					
Populus balsamifera						Equisetum variegatum						Poa compressus					
Populus grandidentata						Equisetum						Poa pratensis					
Populus tremuloides						Gymnocarpium dryopteris						Poa					
Populus						Lycopodium digitatum						Scirpus atrovirens					
Prunus pensylvanica						Lycopodium obscurum						Scirpus cyperinus					
Prunus serotina		X				Lycopodium						Scirpus validus					
Prunus virginiana		X				Lycopodium						Scirpus					
Prunus <i>cvilam</i>		X				Matteucia struthiopteris						Scirpus					
Quercus macrocarpa						Onoclea sensibilis						Setaria					
Quercus rubra						Osmunda cinnamomea						Sparganium					
Quercus						Osmunda regalis						Typha angustifolia					
Rhamnus cathartica		X				Polystichum acrostichoides						Typha latifolia					
Rhus radicans		X				Pteridium aquilinum						Typha X glauca					
Rhus typhina						Thelypteris palustris											
Ribes americana																	
Ribes cynosbati																	
Ribes x rubrum																	
Robinia pseudo-acacia																	
<i>chumbly Poison Ivy</i>	X																

ELC WILDLIFE	SITE: <u>A 56</u> <u>BLW 1455</u>		
	POLYGON:		
	DATE: <u>Sept 28 / 2011</u>		
	SURVEYORS: <u>Kamstra</u>		
START TIME: <u>13:10</u>		END TIME:	

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

POTENTIAL WILDLIFE HABITAT:

VERNAL POOLS	SNAGS
HIBERNACULA	FALLEN LOGS

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
B	TUVU	OB			L	Monarch	OB		
	AMRO					Cabbagge			
	BLJA					Queen Morph			
						B. Common			

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 EVIDENCI SC = SCAT
 SI = OTHER SIGNS (specify)

Bluewater Feature: [redacted] /45a_BLW1555/1557

(Properties that contain Features within 125m from Collection lines and 7.5m from Turbines)

- ELC survey Completed
- Turbine Synchronization needed
- Property Fabric
- Bluewater Wind Energy Centre

- Roads
- Access/Collection Line
- Survey to be Completed
- Trails to be 17.5m



October 3, 2011



ELC
Community Description and Classification

Site: BLW 459 Polygon: _____

Surveyor(s): JD + TS Date: Oct 19, 2011 Time start: _____ finish: _____

UTMZ: 17T UTMZ: H813432 UTMN: 0445860

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Rel. Avg.	Prem Factor
Yellow Birch	1				1		
Green Ash	5				5		
White Elm	5				5		
Bass Wood	5				5		
TOTAL	16				16		
PLANT	11				11		
FRUIT	22				22		
100							

Soils Ontario and ELC Soils Description

Site Metrics	Pl/Auger #	Soils Ontario	ELC Soils Description	Summary
Zone				
Easting				
Northing				
Position				
Aspect				
Percent				
Slope				
Length				
Mottles				
Gley				
Water Table				
Carbonates				
Bedrock				
Depth to 1		% CF	% CF	% CF
Texture				
Depth to 2		% CF	% CF	% CF
Texture				
Depth to 3		% CF	% CF	% CF
Texture				
Depth to 4		% CF	% CF	% CF
Texture				
% Surface Stone/Rock				
Moisture Regime				
Drainage				

Stand Description

Layer	HT	CVR	Species in Order of Decreasing Dominance (up to 4 sp)
1	2	4	green ash >> white Elm > hickory > chest
2	3	3	Alternate-leaved dogwood = green bush
3			
4	6	2	2 y. rug. goldenrod = wild ginger = cuscutt

HT Codes: 7 > 0.2m 6 > 0.2-0.5m 5 > 0.5-1m 4 > 1-2m 3 > 2-4m 2 > 4-8.25m 1 > 8.25m
 CVR Codes: 0 = none 1 0% - 10% 2 10 - 25% 3 25 - 50% 4 50 - 75% 5 75 - 90% 6 90 - 100%

Stand Composition

Species	<10	10-24	25-50	>50
Green Ash		A		
White Elm		O		
Hickory		O		
Chestnut				

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

Community Profile Diagram/Comments

Community Codes: Pioneer Young Mid-Age Mature Old Growth

Moisture: Fresh - moist Moist Dry Very Dry

Vegetation: Fresh Young Mature Old

Structure: Open Shrub Tree

Soil: F007 F007-2

Community Profile Diagram/Comments

Wets cover. Tree with High Silver Birch
 Potential spotting of eastern flowering dogwood
 Check in spring
 coord 17+ N 0445860
 E 4813432

CONIFERS						TREES and SHRUBS						GRAMINOIDS					
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
Abies balsamea						Rosa multiflora						Agrostis gigantea					
Juniperus communis						Rosa						Agrostis stolonifera					
Juniperus virginiana						Rubus allegheniensis						Agropyron repens					
Larix laricina						Rubus idaeus						Alopecurus					
Picea abies						Rubus occidentalis						Bromus inermis					
Picea glauca						Rubus odoratus						Calamagrostis canadensis					
Pinus resinosa						Rubus pubescens						Carex arctata					
Pinus strobus						Salix alba						Carex alrea					
Pinus sylvestris						Salix amygdaloides						Carex bebbii					
Thuja occidentalis	✓					Salix bebbiana						Carex blanda					
Tsuga canadensis						Salix discolor						Carex gracillima					
						Salix eriocephala						Carex granularis					
						Salix exigua						Carex hystericina					
						Salix lucida						Carex pennsylvanica					
						Salix petiolaris						Carex radiata					
TREES and SHRUBS						Salix purpurea						Carex retrorsa					
Acer negundo						Salix x rubens						Carex stipata					
Acer rubrum						Salix						Carex stricta					
Acer saccharinum						Sambucus canadensis						Carex vulpinoidea					
Acer saccharum	✓					Sambucus racemosa						Carex					
Acer spicatum						Sorbus aucuparia						Carex					
Alnus rugosa						Spiraea alba						Carex					
Amelanchier						Syringa vulgaris						Carex					
Berberis thunbergii						Tilia americana		✓				Carex					
Betula alleghaniensis	✓					Ulmus americana			✓			Carex					
Betula papyrifera						Ulmus						Carex					
Carpinus caroliniana						Vaccinium						Carex					
Carya cordiformis						Viburnum lentago						Carex					
Celastrus scandens						Viburnum opulus						Cyperus					
Cornus alternifolia	✓					Viburnum						Cyperus					
Cornus amomum						Vitis riparia			✓			Dactylis glomerata					
Cornus rugosa												Danthonia spicata					
Cornus stolonifera												Echinochloa crus-galli					
Corylus cornuta												Eleocharis erythropoda					
Crataegus tinogyna												Eleocharis					
Crataegus punctata												Elymus virginicus					
Crataegus sp.												Elymus					
Crataegus												Festuca arundinacea					
Dicentra ionicea												Glyceria striata					
Fagus grandifolia												Glyceria					
Fraxinus americana	✓											Juncus dudleyi					
Fraxinus nigra	✓					FERNS						Juncus effusus					
Fraxinus pennsylvanica	✓					Adiantum pedatum						Juncus tenuis					
Ilex verticillata						Athyrium filix-femina						Juncus					
Juglans cinerea						Botrychium multifidum						Juncus					
Juglans nigra	✓					Botrychium virginianum						Leersia oryzoides					
Lonicera morrowi						Cyatopteris bulbifera						Muhlenbergia					
Lonicera tatarica						Dryopteris caroliniana						Oryzopsis asperifolia					
Lonicera						Dryopteris cristata						Panicum					
Malus pumila						Dryopteris marginalis						Panicum					
Ostrya virginiana						Dryopteris						Phalaris arundinacea					
Parthenocissus inserta						Equisetum arvense						Pileum pratense					
Populus balsamifera						Equisetum hyemale						Phragmites australis					
Populus grandidentata						Equisetum variegatum						Poa compressus					
Populus tremuloides						Equisetum						Poa pratensis					
Populus						Q. yemocarpium dryopteris						Poa					
Prunus pennsylvanica						Lycopodium digitatum						Scirpus atrovirens					
Prunus serotina						Lycopodium obscurum						Scirpus cyperinus					
Prunus virginiana	✓					Lycopodium						Scirpus validus					
Prunus						Lycopodium						Scirpus					
Quercus macrocarpa						Matteuccia struthiopteris						Scirpus					
Quercus rubra						Oenothera sensibilis						Setaria Pumila		✓			
Quercus						Oenothera cinnamomea						Sparganium					
Rhus copallina	✓					Oenothera regalis						Typha angustifolia					
Rhus radicans	✓					Polystichum acrostichoides						Typha latifolia					
Rhus typhina						Psidium aquilinum						Typha Xglauca					
Ribes americana						Thelypteris palustris											
Ribes cynosbati																	
Ribes rubrum																	
Robinia pseudo-acacia																	
Ribes sp																	
LINDSEY																	
LINDSEY																	

ELC WILDLIFE	SITE: <u>Blw 459 + 462</u>	
	POLYGON:	
	DATE: <u>Oct 19</u>	
	SURVEYORS: <u>JD + TS</u>	
START TIME:	END TIME:	

TEMP (°C): <u>12</u>	CLOUD (10th): <u>overcast</u>	WIND: <u>20-40</u>	PRECIPITATION: <u>Rain</u>
CONDITIONS: <u>cloudy, windy/rain</u>			

POTENTIAL WILDLIFE HABITAT:		<input checked="" type="checkbox"/> SNAGS
<input type="checkbox"/> VERNAL POOLS	<input type="checkbox"/> HIBERNACULA	<input type="checkbox"/> FALLEN LOGS

SPECIES LIST:									
TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
B	chickadee	OB							
B	Am. Robin	OB							
B	Nuthatch	OB							
B	Blue Jay	OB							

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)

Bluewater Feature: 460_BLW1619

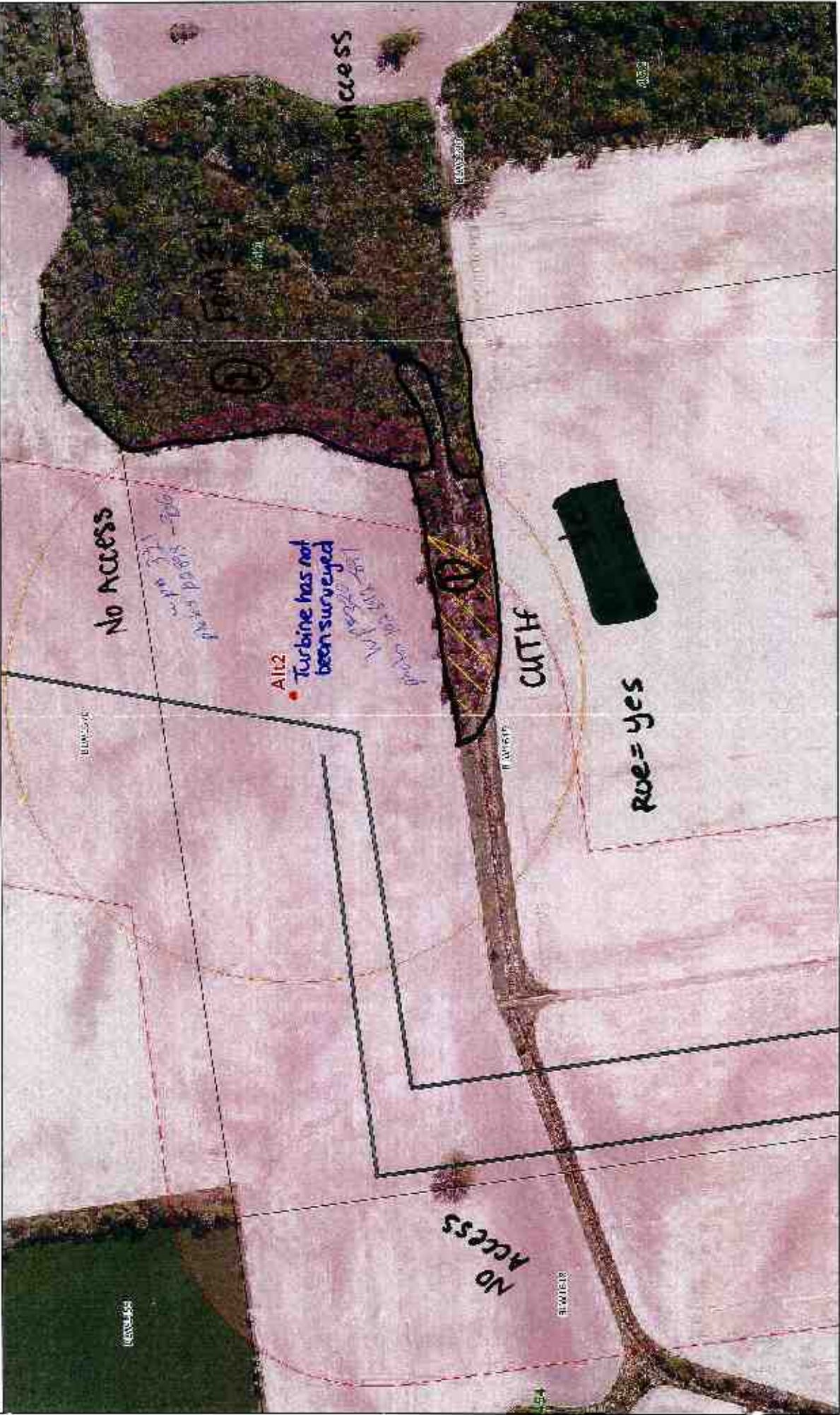
(Properties that contain Features within 125m from Collection lines and 171.5m from Turbines)

August 29, 2011



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

- Collection Feature Intersect
- Turbine Buffer Feature Intersect
- Property Feature
- Bluewater Wind Energy Corridor



UP# 320

ELC
Community Description and Classification

Site: 460_BLW1619 Polygon: 0

Surveyor(s): SPM Date: 02-6-11 Time start: 09:50h finish: 10:55h

UTMZ: 17T UTMZ: 45Q157 UTMN: 4812611

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 checked="" 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-LYD	<input type="checkbox"/> River
	<input type="checkbox"/> Acidic Bedrk	<input type="checkbox"/> Terrace	<input type="checkbox"/> Graminoid	<input type="checkbox"/> Stream
<input type="checkbox"/> Open Water	<input type="checkbox"/> Basic Bedrk	<input type="checkbox"/> Valley Slope	<input type="checkbox"/> Forb	<input type="checkbox"/> Marsh
<input type="checkbox"/> Shallow Water	<input type="checkbox"/> Carb. Bedrk	<input checked="" type="checkbox"/> Roll, Upland	<input type="checkbox"/> Lichen	<input type="checkbox"/> Swamp
<input checked="" type="checkbox"/> Surficial Dep.		<input type="checkbox"/> Cliff	<input checked="" type="checkbox"/> Bryophyte	<input type="checkbox"/> Fen
<input type="checkbox"/> Bedrock		<input type="checkbox"/> Talus	<input type="checkbox"/> Deciduous	<input type="checkbox"/> Bog
History		<input type="checkbox"/> Crvical/Cave	<input type="checkbox"/> Coniferous	<input type="checkbox"/> Meadow
<input type="checkbox"/> Natural		<input type="checkbox"/> Alvar	<input type="checkbox"/> Mixed	<input type="checkbox"/> Prairie
<input checked="" type="checkbox"/> Cultural		<input type="checkbox"/> Rockland		<input checked="" type="checkbox"/> Thicket
Cover		<input type="checkbox"/> Beach / Bar		<input type="checkbox"/> Savannah
<input type="checkbox"/> Open		<input type="checkbox"/> Sand Dune		<input type="checkbox"/> Woodland
<input checked="" type="checkbox"/> Shrub		<input type="checkbox"/> Bluff		<input type="checkbox"/> Forest
<input checked="" type="checkbox"/> Tree				<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	3	3	Sw > Hs > Aw
2	3	3	Common Buckthorn > Eng. Hawthorn >
3	4	4	Tall Galbanus > Frost Aster > BIK Rasp berry > Redosier
4	2-0	3	Garlic Mustard > Equisetum > Strawberry

HT Codes: 7 < 0.2m 6 > 0.2-0.5m 5 > 0.5-1m 4 > 1-2m 3 > 2-4m 2 > 4-25m 1 > 25m
 CVR Codes: 0 = None 1 0% - 10% 2 10 - 25% 3 25 - 40% 4 > 40%

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

BA: N/A

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

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

Ecology: Mineral Cultural Thicket Edge Code: CUT1
 Vegetation Type: White-Elm - Common Buckthorn Cultural Code: CUT1
 Inclusion: Thicket Edge Code: /
 Complex: /

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Prism Factor
N/A						2
Total						
Basal Area (BA)						100
Dead						

Soils Ontario and ELC Soils Description

PIV/Auger #		Soils Ontario and ELC Soils Description		Summary	
Zone					
Easting					
Nothing					
Position					
Aspect					
Percent					
Slope					
Length					
Mottles					
Glays					
Water Table					
Carbonates					
Bedrock					
Depth to ...					
1	Depth from zero	% CF	% CF	% CF	% CF
	Texture				
2	Depth from zero	% CF	% CF	% CF	% CF
	Texture				
3	Depth from zero	% CF	% CF	% CF	% CF
	Texture				
4	Depth from zero	% CF	% CF	% CF	% CF
	Texture				
	% Surface Stoner/Rock				
	Moisture Regime				
	Drainage				

