

ELC WILDLIFE	SITE: <u>Blw 463</u>	
	POLYGON: <u>0</u>	
	DATE: <u>July 19/11</u>	
	SURVEYORS: <u>SAM</u>	
	START TIME: <u>0940h</u>	END TIME: <u>1146h</u>

TEMP (°C): <u>26</u>	CLOUD (10th): <u>1</u>	WIND: <u>1-2</u>	PRECIPITATION: <u>nil</u>
CONDITIONS: <u>warm, clear, sunny</u>			

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	#
<u>0</u>	<u>Chimney/Crayfish</u>	<u>HO</u>		<u>1</u>					
<u>H</u>	<u>Am. Toad</u>	<u>OB</u>		<u>1</u>					
<u>M</u>	<u>Raccoon</u>	<u>TK</u>		<u>1</u>					
<u>M</u>	<u>WT Deer</u>	<u>TK</u>		<u>2</u>					

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)

470- BLW1450 (1450)

- Collection-point release
- Access-Collection Line
- Turbine-Buffer (125m)
- Property-Buffer
- Bluewater-Wharf Energy Corridor

- Roads
- Access-Collection Line
- Collection-Buffer (125m)
- Turbine-Buffer (171.5m)



August 28, 2011



Bluewater Feature: 470_BLW1450

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



BLW1450

BLW1450

Turbine has not been Surveyed

see = yes

Electric Pipeline

see = yes

see = yes

ELC Community Description and Classification

Site: 470_BLW1460 Polygon: A

Surveyor(s): JK Date: Sept 27/11 Time start: 15:15 finish:

UTMZ: 449340 UTMN: 4814830

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"/> 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 checked="" 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"/> Avlar <input type="checkbox"/> Rockland <input type="checkbox"/> Beach / Bar <input type="checkbox"/> Sand Duna <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) (> Much Greater Than; > Greater Than; = About Equal To)
1	2	4	Fraxinus >>> A. frax. - Acer sac - Umb. -
2	3	3	Ulmus >>> Frax.
3			
4	6	3	Alnus >>> Rhus ty - Geocarp - Ast. late

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 - 50% 4 50 - 60%

Stand Composition:	Size Class Analysis:																
BA:	Standing Snags: Deadfall / Logs:																
	<table border="1"> <tr> <td><10</td> <td>10-24</td> <td>25-50</td> <td>>50</td> </tr> <tr> <td>A</td> <td>A</td> <td>O</td> <td>R</td> </tr> <tr> <td><10</td> <td>10-24</td> <td>25-50</td> <td>>50</td> </tr> <tr> <td>A</td> <td>A</td> <td></td> <td></td> </tr> </table>	<10	10-24	25-50	>50	A	A	O	R	<10	10-24	25-50	>50	A	A		
<10	10-24	25-50	>50														
A	A	O	R														
<10	10-24	25-50	>50														
A	A																

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

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

Ecotope: Moist Green Ash Forest Code: FOD 7-2

Inclusion: Code:

Complex: Code:

Community Profile Diagram/Comments

May have been Swamp in past before drainage ditch installed on west side

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

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

③ Drainage Ditch. - cuts through woodlot - appears to have been installed within past 10 years - ditch about 1.5 m deep 3 m wide with water at present 2 m wide upto 30 cm deep.
UTM - 449325 / 4814840

Spoils on E side of ditch, about 8 m wide
w dense growth of: Rubiadae, Arctium - Phacelia > Soldulc
Juncaceae - CUM-1??

④ Narrow band of moist Green Ash, similar to ① but more like hedgerow. + denser understory ^{comp} layer.

Veg Type FOD 7-2

Bluewater Feature: 470_BLW1450

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

October 17, 2011

100 Meters

0 25 50

↑

- Roads
- Access/Collection line
- Survey to be Completed
- Turbine Buffer (171.3m)
- ELC Survey Completed
- Turbine Buffer/Feature Interest
- Property Fabric
- Bluewater Wind Energy Corridor



wp0322

ELC
Community Description and Classification

Site: 475_BLW1005 Polygon: 0

Surveyor(s): SAM Date: Oct/6/11 Time start: 11:25 finish: 12:25

UTMZ: TM UTMZ: H99244 UTMN: 48/5339

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 type="checkbox"/> Tableland <input checked="" type="checkbox"/> Hill, 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"/> 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	OVR	Species In Order of Decreasing Dominance (up to 4 sp) (> Much Greater Than; > Greater Than; = About Equal To)
1	2	4	MH7 Be >>> B0 > Av
2	3	4	MH7 Be >>> D7 Choke Cherry
3	5-4	3	Z19299 (b) (b) (b) > Fowl Manina > Calico Aster > Green m. sp
4	3-6	4	Esun. 0.0.0. > Carex sp. > B15 m. ivy

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

Stand Composition:	Size Class Analysis:	Standing Snags:	Deadfall / Logs:
MH Be B0	A < 10 A 10-24 A 25-50 O > 50	R < 10 R 10-24 O 25-50 R > 50	A < 10 O 10-24 O 25-50 R > 50

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

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

Ecotope: DRY-Fresh Sugar Maple Deciduous Forest Code: F005
 Vegetation Type: DRY-Fresh Sugar Maple-Beech Code: F005-2
 Inclusion: Deciduous forest type Code: /
 Complex: /

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Prism Factor
Be	10	14	14	10	48	100
MH	20	28	28	20	96	24
Av	1	1	1	1	4	
B0	1	1	1	1	4	
Op	1	1	1	1	4	
Total						
Basal Area (BA)						
Dead						

Soils Ontario and ELC Soils Description

Site Metrics	PII/Auger #		Soils Description		Summary
	Zone	Easting	Northing	Position	
UTM					Moisture Regime
Slope					Drainage
Aspect					Effective Texture (Indicate below)
Percent					% CF
Slope Length					% CF
Mottles					% CF
Clay					% CF
Water Table					% CF
Carbonates					% CF
Bedrock					% CF
Depth from zero					% CF
Texture					% CF
Depth from zero					% CF
Texture					% CF
Depth from zero					% CF
Texture					% CF
Depth from zero					% CF
Texture					% CF
% Surface Stone/Rock					
Moisture Regime					
Drainage					

VASCULAR PLANT CHECKSHEET

Location: 475 BLW 1005
 Observer: SAM

Date: Oct. 6/11
 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						Alliema plantago-aquatica					
Actaea pachypoda	X						Erigeron philadelphicus						Plantago major						Allium tricoccum		X			
Actaea rubra							Erigeron strigosus						Plantago rugelii						Allium					
Agalinus							Erysimum cheiranthoides						Pedophyllum peltatum						Arisaema triphyllum		X			
Agriomania gryosepala							Eupatorium maculatum						Polygonum						Asparagus officinalis					
Allaria petiolata	X						Eupatorium perfoliatum						Polygonum						Calla palustris					
Amaranthus retroflexus							Eupatorium rugosum						Polygonum						Clintonia borealis					
Ambrosia artemisiifolia							Euphorbia						Polygonum lapathifolium						Conwallaria majus					
Amphicarpaea bracteata							Eulhamia graminifolia						Polygonum persicaria						Cypripedium calceolus					
Araphis margaritacea							Fragaria virginiana						Potentilla						Elodea canadensis					
Anemone							Fragaria vesca						Potentilla norvegica						Epipactis helleborina		X			
Anemone canadensis							Galeopsis tetrahit						Potentilla recta						Erythronium americanum					
Anemone virginiana							Gallium						Prunella alba						Hemerocallis fulva					
Artemisia neglecta							Gallium						Prunella vulgaris						Iris vesicicola					
Apocynum androsaemifolium							Gallium palustre						Pyrola elliptica						Lemna minor					
Apocynum cannabinum							Gallium triflorum						Ranunculus						Lemna trilineata					
Aquilegia canadensis							Geranium maculatum						Ranunculus abortivus						Lilium					
Arnica nudicaulis							Geranium robertianum	X					Ranunculus acris						Melanthium canadense					
Arnica montana							Geum alepicum						Rudbeckia hirta						Melanthium racemosum					
Arnica montana							Geum canadense						Rumex acetosella						Melanthium stellata					
Asarum canadense							Geum sp	X					Rumex crispus						Plantiflora					
Asclepias incarnata							Glechoma hederacea						Rumex						Portulaca cordata					
Asclepias syriaca							Hepatica acutiloba						Sanguinaria canadensis	X					Polygonatum pubescens					
Aster							Hesperis matronalis						Sanicula marilandica						Potamogeton crispus					
Aster cordifolius							Hieracium aurantiacum						Saponaria officinalis						Potamogeton pectinatus					
Aster ericoides							Hieracium caespitosum						Salvia vulgaris						Potamogeton					
Aster lanceolatus							Hieracium						Scutellaria galericulata						Potamogeton					
Aster lateriflorus	X						Hydrophyllum virginianum						Silene vulgaris						Sagittaria latifolia					
Aster macrophyllus							Hypericum perforatum						Siium suave						Sternochim montanum					
Aster novae-angliae							Impatiens capensis						Solanum dulcamara						Smilax herbacea					
Aster puniceus							Inula helenium						Solidago						Spiranthes cernua					
Barbarea vulgaris							Lactuca						Solidago altissima						Spiranthes polytrix					
Bidens cernua							Laportea canadensis						Solidago caesia						Streptopus roseus					
Bidens frondosa							Lapsana communis						Solidago canadensis						Trillium erectum					
Boghameria cylindrica							Leonurus cardiaca						Solidago flexicaulis	X					Trillium grandiflorum					
Calthea palustris							Leptidium						Solidago gigantea						Uvularia grandiflora					
Calyptegia sepium							Linaris vulgaris						Solidago nemoralis											
Cardamine diphylla							Lithospermum officinale						Solidago rugosa											
Cardamine							Labella						Sonchus oleraceus											
Cardiophyllum thalictroides							Labella inflata						Sonchus asper											
Ceraulium fontanum							Lobelia inflata						Stellaria											
Ceratophyllum demersum							Lobelia corniculata						Taraxacum vulgare											
Chelidonium majus							Lycopus americanus						Taraxacum officinale											
Chenopodium album							Lycopus						Thalictrum dioicum	X										
Chrysanthemum leucanthemum							Lysimachia ciliata						Thalictrum pubescens											
Cichorium intybus							Lythrum salicaria						Taraxacum officinale											
Cicuta							Medicago lupulina						Taraxacum officinale											
Circaea lutetiana	X						Medicago sativum						Tragopogon pratensis											
Cirsium arvense							Mellilotus alba						Trientalis borealis											
Cirsium vulgare							Mentha arvensis						Trifolium											
Clematis virginiana							Mintulus ringens						Trifolium pratense											
Clintonia borealis							Mintulus ringens						Trifolium repens											
Coryza canadensis							Mitella diphylla						Tussilago farfara											
Coronilla varia							Moronea fistulosa						Urtica dioica											
Cyanochum rossicum							Myosotis						Urtica vulgaris											
Cynoglossum officinale							Nasturtium officinale						Verbascum thapsus											
Daucus carota							Napela castorea						Verbena hastata											
Desmodium canadense							Nuphar variegatum						Verbena urticifolia											
Dianthus armeria							Nymphaea odorata						Veronica											
Dipsacus fullorum							Oenothera biennis						Veronica officinalis											
Echinochloa lobata							Osmorhiza						Vicia cracca											
Echium vulgare							Oxalis stricta						Vicia latraparva											
Epilobium							Phytolacca leptostachya						Viola sp	X										
Epilobium ciliatum							Physalis heterophylla						Viola											
Epilobium hirsutum													Viola pubescens											
Epilobium parviflorum													Viola sororia											

1: Polygon ①
 2:
 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		X				Agropyron repens					
Larix laricina						Rubus idaeus		X				Alopecurus					
Picea abies						Rubus occidentalis						Bromus inermis					
Picea glauca						Rubus odoratus						Calamagrostis canadensis					
Pinus resinosa						Rubus pubescens						Carex arctata			X		
Pinus strobus						Salix alba						Carex aurea					
Pinus sylvestris						Salix amygdaloides						Carex bebbii					
Thuja occidentalis						Salix bebbiana						Carex blanda					
Tsuga canadensis						+ Salix discolor						Carex gracillina					
						Salix eriocephala						Carex granularis					
						Salix exigua						Carex hystericina					
						Salix lucida						Carex pennsylvanica					
						Salix petiolaris						Carex radiata					
TREES and SHRUBS						+ Salix purpurea						Carex retrosa					
Acer negundo						Salix x rubens						Carex stipala					
Acer rubrum						+ Salix						Carex stricta					
Acer saccharinum						Sambucus canadensis						Carex vulpinoidea					
Acer saccharum	X					Sambucus racemosa						Carex <i>plumbea</i>				X	
Acer spicatum						Sorbus aucuparia						Carex <i>plantaginifolia</i>				X	
Ainus rugosa						Spiraea alba						Carex					
Amelanchier						Syringa vulgaris						Carex					
Berberis thunbergii						+ Tilia americana		X				Carex					
Betula alleghaniensis						Ulmus americana		X				Carex					
Betula papyrifera						Ulmus						Carex					
Carpinus caroliniana	X					Vaccinium						Carex					
Carya cordiformis						Viburnum lentago						Carex					
Celastrus scandens						Viburnum opulus						Cyperus					
Cornus alternifolia						Viburnum						Cyperus					
Cornus amomum						Vitis riparia		X				Dactylis glomerata					
Cornus rugosa												Danthonia spicata					
Cornus stolonifera												Echinochloa crus-galli					
Corylus cornuta												Eleocharis erythropoda					
Crataegus monogyna												Eleocharis					
Crataegus punctata												Elymus virginicus					
Crataegus sp.												Elymus					
Crataegus												Festuca arundinacea					
Diervilla lonicera												Glyceria striata				X	
Fagus grandifolia	X											Glyceria					
Fraxinus americana												Juncus dudleyi					
Fraxinus nigra						FERNS						Juncus effusus					
Fraxinus pennsylvanica						Adiantum pedatum						Juncus tenuis					
Ilex verticillata						Athyrium filix-femina		X				Juncus					
Juglans cinerea						Botrychium multifidum						Juncus					
Juglans nigra						Botrychium virginianum						Leersia oryzoides					
Lonicera morrowi						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 dryoperis						Poa					
Prunus pennsylvanica						Lycopodium digitatum						Scirpus atrovirens					
Prunus serotina	X					Lycopodium obscurum						Scirpus cyperinus					
Prunus virginiana						Lycopodium						Scirpus validus					
Prunus <i>Cerasus</i>	X					Lycopodium						Scirpus					
Quercus macrocarpa	X					Matteucia struthiopteris						Scirpus					
Quercus rubra						Onoclea sensibilis		X				Setaria					
Quercus						Osmunda cinnamomina						Sparganium					
Rhamnus cathartica	X					Osmunda regalis						Typha angustifolia					
Rhus radicans	X					Polystichum acrostichoides						Typha latifolia					
Rhus typhina						Pteridium aquilinum						Typha Xglauca					
Ribes americana						Thelypteris palustris											
Ribes cynosbati	X					<i>Thelypteris</i>											
Ribes x rubrum						<i>novaeboracensis</i>		X									
Robinia pseudo-acacia						<i>Dryopteris</i>											
<i>Euonymus alatus</i>	X					<i>intermedia</i>		X									
<i>Ribes lacustre</i>	X																
<i>Carya ovata</i>	X																

WP #46 Fenceline Survey

ELC Community Description and Classification

Site: **BLW-480** Polygon: **D**

Surveyor(s): **SAH** Date: **July 18/11** 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 Site <input type="checkbox"/> Open Water <input type="checkbox"/> Shallow Water <input checked="" type="checkbox"/> Surficial Dep. <input type="checkbox"/> Bedrock History <input type="checkbox"/> Natural <input checked="" type="checkbox"/> Cultural Cover <input checked="" type="checkbox"/> Open <input type="checkbox"/> Shrub <input type="checkbox"/> Treed	<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 checked="" 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 checked="" 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)
1			
2			
3			
4			

HT Codes: 7 < 0.2m 6 > 0.2-0.6m 5 > 0.6-1m 4 > 1-2m 3 > 2-6m 2 > 6-26m 1 > 26m
 CVR Codes: 0 = none 1 0% - 10% 2 10 - 25% 3 25 - 50% 4 > 50%

Species: **N/A**

Stand Composition: Size Class Analysis:

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

BA: **N/A**

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

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

Ecosite: **Mineral Cultural Meadow** Code: **CUM1-7**

Vegetation Type: **Dry-Naigt Old Field Meadow Type** Code: **CUM1-7**

Inclusion: Code: _____

Complex: Code: _____

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

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

Polem Factor: **2**

Soils Ontario and ELC Soils Description

Site Metrics	Pit/Auger #	Soils Ontario and ELC Soils Description				Summary		
Zone Easting Northing Position Aspect Percent Slope Length		No Access				Moisture Regime Drainage		
	Motiles Gley Water Table Carbonates Bedrock						Effective Texture (Indicate below) % CF	
		1	Depth from zero	% CF	% CF			% CF
		2	Texture	% CF	% CF			% CF
		3	Depth from zero	% CF	% CF			% CF
Soil Horizon Description	4	Texture	% CF	% CF	% CF			
		% Surface Stone/Rock						
		Moisture Regime						
		Drainage						

wp#48,49,50

ELC
Community Description and Classification

Site: **BLW-480** Polygon: **Q**

Surveyor(s): **SAH** Date: **July 18/11** Time start/finish:

UTMZ: **17T** UTMZ: UTMN:

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
<input checked="" type="checkbox"/> Terrestrial <input 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 type="checkbox"/> Open <input type="checkbox"/> Shrub <input checked="" 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 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

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	MH > MS > BP > M
2	3-3	3	BP > MH > MS
3	4-3	2	Cov Slo > Imp Cape > Blue Cohosh
4	6-5	2	Mont Arn > A. S. M. > Frag V. > Gera Rob

HT Codes: 7 < 0.2m 8 > 0.2-0.6m 9 > 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%

Stand Composition: Size Class Analysis:

Standing Snags:	R < 10	F	10-24	O	25-50	N	> 50
Deadfall / Logs:	N < 10	N	10-24	O	25-50	N	> 50
BA:	17	15	15	15	15	15	15

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

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

Ecosite: Fresh-Moist Sugar Maple Deciduous Forest Code: **FDDG**

Vegetation Type: Fresh-Moist Sugar Maple - Hardwood Code: **FDDG-5**

Inclusion: Deciduous Forest Type

Complex: Willow Mineral Thicket Swamp Type Code: **SWT2-2**

Community Profile Diagram/Comments



Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Rel. Avg.
MH	15	13	15	12	55	46
MS	13	13	12	10	50	39
BP	12	11	11	4	40	15
Total						
Basal Area (BA)						100
Dead						17

Soils Ontario and ELC Soils Description

Site Metrics	Pl/Auger #	wp#48	wp#49	Summary
Zone	17T	17T	17T	
Easting				
Northing				
Position	4	6		
Aspect	NW			
Percent	2			
Slope	5m			
Length	24	9		
Mottles	56	19		
Gley	> 120	43		
Water Table	2.5	2.6		
Carbonates	> 120			
Bedrock				
Depth from zero	0	0		
Texture	S/L	L/S		
Depth from zero	2.1	8		
Texture	S/L	CL		
Depth from zero	4.3	14		
Texture	C	C		
Depth from zero				
Texture				
Depth from zero				
Texture				
% Surface Stone/Rock				
Moisture Regime	Very Moist	Very Moist		Very Moist
Drainage	Imperfect-5	Bar-6		Imperfect