ELC Plant Species List	
	SITE: Bluewater 480
	POLYGON: (2)
	DATE: July 18/11
	SURVEYOR(S): SAM

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER

ABUNDANCE CODES: R = RARE O = OCCASSIONAL A = ABUNDANT D = DOMINANT

SPECIES CODE	LAYER 1	2	3	4	COLL.
Black Raspberry					
QA Lace					
Can. Thistle					
R-O Dogwood					
Can. G'rod					
NL Cattail					
MH	D				
Timothy					
grape.					
NE Aster					
Calico Aster					
Ann Fleabane					
BD	A				
Aw					
Cw					
Choke Cherry					
Wild Strawberry					
Crataegus					
Apple					
BlkElder					
SH Sumac					
Jewelweed					
PB					
Sandbar Willow					
Dandelion					
Bebb's Sedge					
Ann Ragwt					
Rice Cut grass					

SPECIES CODE	LAYER 1	2	3	4	COLL.
Fowl Manna					
~~[illegible]~~					
Salix eriocaph.					
Salix discolor					
Cut water Lime					
Fox Sedge					
Awl Sedge					
~~Com~~ Juncus effus.					
BR Walnut					
N. Willow Herb					
MS					
Cottonwood					
BS Nutshd.					
Orch grass					
Ench. Nutshd					
Yellow Avens					
Com Hvnut					
Wt Avens					
Pellitorina					
Herb Rob't					
Vrg. Creeper					
Com. Buckthorn					
Wt Baneberry					
Blue Cohosh					
Carex plantag.					
Vrg. Waterleaf					
Jack In Pulpit					
PJ					
Red Rasp.					
BlkBulrush					
Jointed Rush					
Redtop					

SOSP HAWO INBU ARGO GRCA NACA GREL WOTH

Way Point #52

ELC Community Description and Classification

Site: BLW-480		Polygon: (3)	
Surveyor(s): SAH	Date: July 18/11	Time start: / finish:	
UTMZ: 17T	UTMZ:	UTMN:	

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
☒ Terrestrial	☐ Organic	☐ Lacustrine	☐ Plankton	☐ Lake
☐ Wetland	☒ Mineral Soil	☐ Riverine	☐ Submerged	☐ Pond
☐ Aquatic	☐ Parent Min.	☐ Bottomland	☐ Floating-LVD.	☐ River
Site	☐ Acidic Bedrk	☐ Terrace	☐ Graminoid	☐ Stream
☐ Open Water	☐ Basic Bedrk	☐ Valley Slope	☐ Forb	☐ Marsh
☐ Shallow Water	☐ Carb. Bedrk	☐ Tableland	☐ Lichen	☐ Swamp
☒ Surficial Dep.		☒ Roll. Upland	☐ Bryophyte	☐ Fen
☐ Bedrock		☐ Cliff	☒ Deciduous	☐ Bog
History		☐ Talus	☐ Coniferous	☐ Barren
☐ Natural		☐ Crevice/Cave	☐ Mixed	☐ Meadow
☒ Cultural		☐ Alvar		☐ Prairie
Cover		☐ Rockland		☐ Thicket
☒ Open		☐ Beach / Bar		☒ Savannah
☐ Shrub		☐ Sand Dune		☐ Woodland
☒ Treed		☐ Bluff		☐ Forest
				☐ 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	2-3	White Pine >> White Ash > Apple > Walnut
2	4	2	White Pine > Red Osier > Sandbar Willow
3	4	3-4	Smooth Brome > Queen Ann's Lace > Canada Thistle > Rush.
4	6-5	4	Alsike Clover = Cow Vetch > Strawberry > Field Bindweed allerg.

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 - 60% 4 > 60%

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

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

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

Ecosite:	Mineral Cultural Savannah Ecosite	Code:	CUS1
Vegetation Type:	White Pine - White Ash Mineral Cultural Savannah Type	Code:	CUS1
Inclusion:	—	Code:	—
Complex:	—	Code:	

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Prism Factor: 2

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

Soils Ontario and ELC Soils Description

						Summary
Site Metrics	Pit/Auger #		WP#52			
	UTM	Zone				Moisture Regime
		Easting				
		Northing				
	Slope	Position				
		Aspect	SW			Drainage
		Percent	Nil			
		Slope Length	—			
Depth to...	Mottles		—			
	Gley		—			Effective Texture (indicate below)
	Water Table		—			
	Carbonates		47			
	Bedrock		—			

Soil Horizon Description											
	1	Depth from zero	0	% CF		% CF		% CF		% CF	
		Texture	fSL								
	2	Depth from zero	22	% CF		% CF		% CF		% CF	
		Texture	fS								(fS)
	3	Depth from zero	94	% CF		% CF		% CF		% CF	
		Texture	fSC								
	4	Depth from zero		% CF		% CF		% CF		% CF	
		Texture									
		% Surface Stone/Rock									
	Moisture Regime		Mod. Fresh								Mod. Fresh
	Drainage		Rapid								Rapid

ELC Plant Species List	
	SITE: Bluewater 480
	POLYGON: 3
	DATE: July 18/11
	SURVEYOR(S): SAM

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER

ABUNDANCE CODES: R = RARE O = OCCASSIONAL A = ABUNDANT D = DOMINANT

SPECIES CODE	LAYER 1	2	3	4	COLL.
White Pine	D				
Pan. Aster			A		
Tall Buttercup			O		
Ann Pearbane			O		
Red Clover					
Timothy			A		
Orch Grass			O		
Tall G'rod			A		
Sm. Brome			D		
Yell. Swt Clover					
QA Lace			D		
Field Bindweed				A	
Wild Chickory					
Starved Aster				R	
POD		A			
Curled Dock					
Tall Buttercup			A		
Walnut	R				
Can. Thistle			A		
Yellow Avens					
Quack Grass				O	
Aw	A				
Strawberry				D	
Wt Avens					
Tart. Honeysuckle					
Cow Vetch				D	
Sandbar Willow		O			
Teasel					

SPECIES CODE	LAYER 1	2	3	4	COLL.
Apple	A				
~~Sow~~ Curled Dock					
Rub. Alleg.			A		
BS Ntshd.					
Alsike Clover				D	
Agrimony			A		

GRSP SOSP CEWA ANGO SAVS

Monarch

SJC

Waypoint # 51

ELC Community Description and Classification

Site: BLW-480		Polygon: 4	
Surveyor(s): SAM	Date: July 18/11	Time start: / finish:	
UTMZ: 17T	UTMZ:	UTMN:	

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
☒ Terrestrial	☐ Organic	☐ Lacustrine	☐ Plankton	☐ Lake
☐ Wetland	☒ Mineral Soil	☐ Riverine	☐ Submerged	☐ Pond
☐ Aquatic	☐ Parent Min.	☐ Bottomland	☐ Floating-LVD.	☐ River
Site	☐ Acidic Bedrk	☐ Terrace	☐ Graminoid	☐ Stream
☐ Open Water	☐ Basic Bedrk	☐ Valley Slope	☐ Forb	☐ Marsh
☐ Shallow Water	☐ Carb. Bedrk	☐ Tableland	☐ Lichen	☐ Swamp
☒ Surficial Dep.		☒ Roll. Upland	☐ Bryophyte	☐ Fen
☐ Bedrock		☐ Cliff	☒ Deciduous	☐ Bog
History		☐ Talus	☐ Coniferous	☐ Barren
☐ Natural		☐ Crevice/Cave	☐ Mixed	☐ Meadow
☒ Cultural		☐ Alvar		☐ Prairie
Cover		☐ Rockland		☒ Thicket
☐ Open		☐ Beach / Bar		☐ Savannah
☒ Shrub		☐ Sand Dune		☐ Woodland
☐ Treed		☐ Bluff		☐ Forest
				☐ 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	Sandbar willow > Apple > Ash
2	4-3	3	Sandbar willow > Choke Cherry > Apple > White Pine
3	5-4	4	Rub. allegh > Jewelweed >> Curled Dock
4			

HT Codes: 7 <0.2m 6 >0.2-0.5m 5 >0.5-1m 4 >1-2m 3 >2-8m 2 >8-25m 1 >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
BA: N/A	Standing Snags:	<10	10-24	25-50	>50
	Deadfall / Logs:	<10	10-24	25-50	>50

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

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

Ecosite:	Mineral Cultural Thicket Ecosite	Code:	CUT1
Vegetation Type:	Sandbar Willow Mineral Cultural Thicket Type	Code:	CUT1e
Inclusion:	—	Code:	—
Complex:	—	Code:	—

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Prism Factor: 2

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

Soils Ontario and ELC Soils Description

									Summary
Site Metrics		Pit/Auger #	wp# 51						
	UTM	Zone							Moisture Regime
		Easting							
		Northing							
	Slope	Position	4						
		Aspect	NW						Drainage
		Percent	40						
		Slope Length	4m						
Depth to...		Mottles	>120						Effective Texture (Indicate below)
		Gley	>120						
		Water Table	>120						
		Carbonates	72						
		Bedrock	>120						
Soil Horizon Description	1	Depth from zero	0	% CF	% CF	% CF	% CF	% CF	
		Texture	FSL						
	2	Depth from zero	17	% CF	% CF	% CF	% CF	% CF	
		Texture	FS						FS
	3	Depth from zero	94	% CF	% CF	% CF	% CF	% CF	
		Texture	FSC						
	4	Depth from zero		% CF	% CF	% CF	% CF	% CF	
		Texture							
		% Surface Stone/Rock							
	Moisture Regime		Med Fresh						Med Fresh
	Drainage		Rapid - 2						Rapid - 2

ELC Plant Species List	SITE: Bluewater 480
	POLYGON: (4)
	DATE: July 18/11
	SURVEYOR(S): SAM

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER

ABUNDANCE CODES: R = RARE O = OCCASSIONAL A = ABUNDANT D = DOMINANT

SPECIES CODE	LAYER 1	2	3	4	COLL.	SPECIES CODE	LAYER 1	2	3	4	COLL.
Smlbr willow	D										
Apple.	A										
Rub. allegh.			D								
Agrimony				D							
Jewelweed				A							
Sour Cherry	O										
Pan. Aster				D							
Orch. Grass											
Field Bindweed				A							
Curled Dock											
Aw	R										
Choke Cherry		A									
White Pine											
~~[illegible]~~ BSMAshd											

SOSP
GRCA
AMRO

AMGO

Location: Bluewater 480

Observer: SAM

VASCULAR PLANT CHECKSHEET

Date: July 18/11

Job Number:

DICOT HERBS	1	2	3	4	5	6		1	2	3	4	5	6		1	2	3	4	5	6	MONOCOT HERBS	1	2	3	4	5	6
Achillea millefolia							Erigeron annuus		X	X				Plantago lanceolata							Alisma plantago-aquatica						
Actaea pachypoda		X					Erigeron philadelphicus							Plantago major							Allium tricoccum						
Actaea rubra							Erigeron strigosus							Plantago rugelii							Allium						
Agalinus							Eryngium chlorantholdes							Podophyllum peltatum							Arisaema triphyllum		X				
Agrimonia gryposepala			X	X			Eupatorium maculatum							Polygonum							Asparagus officinalis						
Alliaria petiolaris							Eupatorium perfoliatum							Polygonum							Calla palustris						
Amaranthus retroflexus							Eupatorium rugosum							Polygonum							Clintonia borealis						
Ambrosia artemissiifolia	X	X					Euphorbia							Polygonum lapathifolium							Convallaria majus						
Amphicarpaea bracteata							Euthamia graminifolia							Polygonum persicaria							Cypripedium calceolus						
Anaphalis margaritacea							Fragaria virginiana		X	X				Potentilla							Elodea canadensis						
Anemone							Fragaria vesca							Potentilla norvegica							Epipactis helleborine		X				
Anemone canadensis							Galeopsis tetrahit							Potentilla recta							Erythronium americanum						
Anemone virginiana							Galium							Prenanthes alba							Hemerocallis fulva						
Antennaria neglecta							Galium							Prunella vulgaris							Iris versicolor						
Apocynum androsaemifolium							Galium palustre							Pyrola elliptica							Lemna minor						
Apocynum cannabinum							Galium triflorum							Ranunculus							Lemna trisulca						
Aquilegia canadensis							Geranium maculatum							Ranunculus abortivus							Lilium						
Aralia nudicaulis							Geranium robertianum		X					Ranunculus acris			X				Maianthemum canadense						
Arctium minus	X						Geum aleppicum		X					Rudbeckia hirta							Maianthemum racemosa						
Artemisia							Geum canadense		X	X				Rumex acetosella							Maianthemum stellata						
Asarum canadense							Geum							Rumex crispus	X		X	X			Platanthera						
Asclepias incarnata							Glecoma hederacea							Rumex							Pontederia cordata						
Asclepias syriaca			X				Hepatica acutiloba							Sanguinaria canadensis							Polygonatum pubescens						
Aster							Hesperis matronalis							Sanicula marilandica							Potamageton crispus						
Aster cordifolius							Hieracium aurantiacum							Saponaria officinalis							Potamageton pectinatus						
Aster ericoides							Hieracium caespitosum							Satureja vulgaris							Potamageton						
Aster lanceolatus	X		X	X			Hieracium							Scutellaria galericulata							Potamageton						
Aster lateriflorus		X	X				Hydrophyllum virginianum		X					Silene vulgaris							Potamageton						
Aster macrophyllus							Hypericum perforatum							Sium suave							Sagittaria latifolia						
Aster novae-angliae		X					Impatiens capensis		X		X			Solanum dulcamara		X	X	X			Sisyrinchim montanum						
Aster puniceus							Inula helenium							Solidago							Smilax herbacea						
Barbarea vulgaris							Lactuca							Solidago altissima			X	X			Spiranthes cernua						
Bidens cernua							Laportea canadensis							Solidago caesia							Spirodela polyrhiza						
Bidens frondosa							Lapsana communis							Solidago canadensis		X					Streptopus roseus						
Boehmeria cylindrica							Leonurus cardiaca							Solidago flexicaulis							Trillium erectum						
Caltha palustris							Lepidium							Solidago gigantea							Trillium grandiflorum						
Calystegia sepium							Linaria vulgaris							Solidago nemoralis							Uvularia grandiflora						
Cardamine diphylla							Lithospermum officinale							Solidago rugosa													
Cardamine							Lobelia							Sonchus arvensis	X												
Caulophyllum thalictroides		X					Lobelia inflata							Sonchus asper													
Cerastium fontanum							Lotus corniculatus	X						Stellaria													
Ceratophyllum demersum							Lycopus americanus		X					Tanacetum vulgare													
Chelidonium majus							Lycopus							Taraxacum officinale		X											
Chenopodium album							Lysimachia ciliata							Thalictrum dioicum													
Chrysanth. leucanthemum							Lythrum salicaria							Thalictrum pubescens													
Cichorium intybus			X				Medicago lupulina							Tiarella cordifolia													
Cicuta							Medicago sativum							Tragopogon pratensis													
Circaea lutetiana		X					Melilotus alba							Trientalis borealis													
Cirsium arvense	X	X	X	X			Mentha arvensis		X					Trifolium hybridum			X										
Cirsium vulgare							Mimulus ringens							Trifolium pratense			X	X									
Clematis virginiana							Mimulus ringens							Trifolium repens													
Clintonia borealis							Mitella diphylla							Tussilago farfara													
Conyza canadensis							Monarda fistulosa							Urtica dioica													
Coronilla varia							Myosotis							Utricularia vulgaris													
Cynanchum rossicum							Nasturtium officinale							Verbascum thapsus													
Cynoglossum officinale							Nepeta cataria							Verbena hastata	X												
Daucus carota	X	X	X	X			Nuphar variegatum							Verbena urticifolia													
Desmodium canadense							Nymphaea odorata							Veronica													
Dianthus armeria							Oenothera biennis							Veronica officinalis													
Dipsacus fullorum			X				Osmorhiza							Vicia cracca			X	X									
Echinosystis lobata							Oxalis stricta							Vicia tetrasperma													
Echium vulgare							Phyrma leptostachya							Viola													
Epilobium							Physalis heterophylla							Viola													
Epilobium ciliatum														Viola pubescens													
Epilobium hirsutum		X					Melilotus officinalis			X				Viola sororia													
Epilobium parviflorum																											
Convolvulus arvensis			X	X																							

SITE LOCATIONS

1: Poly 1

2: Poly 2

3: Poly 3

4: Poly 4

5:

6:

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

ELC WILDLIFE		
	SITE: Bluewater 480	
	POLYGON: 1, 2, 3, 4	
	DATE: July 18/11	
	SURVEYORS: SAM	
	START TIME:	END TIME:

TEMP (°C): 28	CLOUD (10th): 9	WIND: 1	PRECIPITATION: nil
CONDITIONS: overcast, muggy, hot			

POTENTIAL WILDLIFE HABITAT:

✓	VERNAL POOLS	✓	SNAGS
✓	HIBERNACULA	✓	FALLEN LOGS

SPECIES LIST:

	TY	SP. CODE	EV	NOTES	#
poly 1	B	SOSP	SM		2
	B	GRSP	SM		1
	B	CEWA	SM		1
	B	AMGO	SM		2
poly 2	B	SOSP	SM		7
	B	HAWO	SM		1
	B	INBU	SM		3
	B	AMGO	SM		2
	B	GRCA	SM		2
	B	NOCA	SM		1
	B	WOTH	SM		1
	B	OCFL	SM		1

	TY	SP. CODE	EV	NOTES	#
poly 3	B	GRSP	SM		1
	B	SOSP	SM		3
	B	AMGO	SM		4
	B	SAVS	SM		2
	L	Monarch	OB		1
poly 4	B	SOSP	SM		2
	B	GRCA	SM		1
	B	AMRO	SM		1
	B	AMGO	SM		2

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)

Central-west GE 16-12 Turbine ELC Completed May 13/11 -- JP

480 - BLW 1085 / BLW 1074

Completed Aug 17/11 - SAM

Bluewater Access Road / Collection Lines

0 35 70 140 Meters

Roads
Access/Collector Line
No Access (as of August 2011)
Access
ELC to Evaluate
Waterbodies
Bluewater Wind Energy Centre
100m Buffer

ELC Community Description and Classification

Site: BLW 480		Polygon: D	
Surveyor(s): SAM	Date: Aug 17/11	Time start: 1036h finish: 1341h	
UTMZ: 17T	UTMZ:	UTMN:	

Polygon Description

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

Stand Description

Layer	HT	CVR	Species In Order of Decreasing Dominance (up to 4 sp) (>> Much Greater Than; > Greater Than; = About Equal To)
1	2-3	3	Prunus cerasus >> Aw > Ew
2	3	3	Prunus cerasus > Apple > Red Osier Dogwood > White Cedar
3	4-5	3	Timothy > Smooth Brome > NE Aster > Black Raspberry
4	7-6	4	Strawberry > Cow Vetch > Alsike clover > White Avens

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 - 60% 4 > 60%

Stand Composition:	Size Class Analysis:	<10	10-24	25-50	>50
	Standing Snags:	<10	10-24	25-50	>50
BA: N/A	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:	Mineral Cultural Thicket Ecosite	Code:	CUT1
Vegetation Type:	Sour Cherry Mineral Cultural Thicket Ecosite	Code:	CUT1
Inclusion:		Code:	
Complex:		Code:	

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Prism Factor: 2

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

Soils Ontario and ELC Soils Description

								Summary
Site Metrics	Pit/Auger #		wp216 (1)					
	UTM	Zone						Moisture Regime
		Easting						
		Northing						
	Slope	Position	4					
		Aspect	ENE					Drainage
		Percent	35					
		Slope Length	18m					
Depth to...	Mottles		>120					
	Gley		>120					Effective Texture (indicate below)
	Water Table		>120					
	Carbonates		22					
	Bedrock		>120					
Soil Horizon Description	1	Depth from zero	0-9	% CF	% CF	% CF	% CF	% CF
		Texture	Clay					
	2	Depth from zero	9+	% CF	% CF	% CF	% CF	% CF
		Texture	Clay					C
	3	Depth from zero		% CF	% CF	% CF	% CF	% CF
		Texture						
	4	Depth from zero		% CF	% CF	% CF	% CF	% CF
		Texture						
		% Surface Stone/Rock	2%					
	Moisture Regime		Fresh (2)					Fresh (2)
	Drainage		Mod well (4)					Mod well (4)

ELC Plant Species List	SITE: BLW 480	
	POLYGON: 1	Sour Cherry Thicket
	DATE: Aug. 17/11	
	SURVEYOR(S): SAM	

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER

ABUNDANCE CODES: R = RARE O = OCCASSIONAL A = ABUNDANT D = DOMINANT

SPECIES CODE	LAYER 1	LAYER 2	LAYER 3	LAYER 4	COLL.
NE Aster			A		
milkweed			O		
Orch Grass					
Timothy			D		
Tall G'rod					
R-O Dogwd		O			
Sm. Brome			A		
QA Lace					
wild Chickory					
Apple		D			
Canada G'rod					
Sour Cherry	D	D			
BlK Raspberry			A		
~~[illegible]~~ Riverbank Grape.					
BlK Elder		R			
Cow Vetch				D	
Alsike Clover				A	
Strawb.				D	
~~[illegible]~~ Olive (Russian)					
Com. Buckthorn			O		
wt Avens				O	
teasel					
CW		O			
EW	O				
AW	O				
Yellow Avens				O	

SPECIES CODE	LAYER 1	LAYER 2	LAYER 3	LAYER 4	COLL.

ELC Community Description and Classification

Site: BLW-480		Polygon: (2)	
Surveyor(s): S.A.M.	Date: Aug. 17/11	Time start: 10 52 h finish: 13 30 h	
UTMZ: 17T	UTMZ:	UTMN:	

Polygon Description

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

Stand Description

Layer	HT	CVR	Species in Order of Decreasing Dominance (up to 4 sp) (>> Much Greater Than; > Greater Than; = About Equal To)
1	2-3	1	Salix lucida > Salix bebiana > Black Elder
2	4-3	3	NE Aster > Joe Pye Weed > Swamp Aster > Red Osier Dogwood
3	5-4	3-4	Orange Jewelweed = Rice Cutgrass > Canada Thistle > Rubus allegh.
4	5-6	4	Fox sedge > Carex comosa > Meadow Horsetail > poa palustris

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 - 60% 4 > 60%

N/A

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

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

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

Ecosite:	Mineral Meadow Marsh Ecosite	Code:	MAM2
Vegetation Type:	Jewelweed Mineral Meadow Marsh Type	Code:	MAM2-9
Inclusion:	—	Code:	—
Complex:	—	Code:	—

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Prism Factor: 2

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

Soils Ontario and ELC Soils Description

									Summary
Site Metrics		Pit/Auger #	wp#215 (1)		wp217 (2)				
	UTM	Zone	17T		17T				Moisture Regime
		Easting							
		Northing							
	Slope	Position	6		6				
		Aspect	NW		SW				Drainage
		Percent	—		—				
		Slope Length	—		—				
Depth to...		Mottles	17		15				Effective Texture (indicate below)
		Gley	57		44				
		Water Table	69		58				
		Carbonates	>120		>120				
		Bedrock	>120		>120				
Soil Horizon Description	1	Depth from zero	0	% CF Ø	0	% CF		% CF	% CF
		Texture	SiCL		SiCL				
	2	Depth from zero	13	% CF Ø	15	% CF		% CF	% CF
		Texture	SiC		SiC				
	3	Depth from zero	111	% CF	82	% CF		% CF	% CF
		Texture	C		C				(C)
	4	Depth from zero		% CF		% CF		% CF	% CF
		Texture							
		% Surface Stone/Rock	Ø		Ø				
	Moisture Regime		Very Moist (6)		Very Moist (6)				Very Moist (6)
	Drainage		Imperfect (5)		Poor (6)				Imperfect (5)

ELC Plant Species List	SITE: BLW-480
	POLYGON: 2
	DATE: Aug 17/11
	SURVEYOR(S): SAM

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER

ABUNDANCE CODES: R = RARE O = OCCASSIONAL A = ABUNDANT D = DOMINANT

SPECIES CODE	LAYER 1	2	3	4	COLL.
Fox Sedge				D	
Juncus effus.				O	
Dr. Jewelweed			D		
BL Cattail		O			
RO Dogwd		O			
NE Aster		D			
SS Bulrush		O			
~~Poa~~ palustris				O	
Reed Canary					
C. comosa				A	
Swamp Aster		A			
Blue Vervain					
Teasel			R		
BK Elder	O	O			
~~Ras~~ Rasp Rub. allegg.			O		
Rice Cutgrass			D		
Pam Aster			D		
NL Willow Herb			O		
Brittly ~~Sedge~~ Crowfoot				R	
Boneset			O		
Joe Pye		D			
Salix bebbiana	O				
Milkweed			R		
BS Ntshd			O		
Canada Thistle			A		
Meadow Horsetail				A	
Salix lucida	O				
Beggars Ticks					

SPECIES CODE	LAYER 1	2	3	4	COLL.
N. Willow Herb.			O		

ELC Community Description and Classification

Site: BLW-480		Polygon: 3	
Surveyor(s): SAM	Date: Aug. 17/11	Time start: 1130h finish: 1200h	
UTMZ: 17T	UTMZ:	UTMN:	

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
☒ Terrestrial	☐ Organic	☐ Lacustrine	☐ Plankton	☐ Lake
☐ Wetland	☒ Mineral Soil	☐ Riverine	☐ Submerged	☐ Pond
☐ Aquatic	☐ Parent Min.	☐ Bottomland	☐ Floating-LVD.	☐ River
Site	☐ Acidic Bedrk	☐ Terrace	☒ Graminoid	☐ Stream
☐ Open Water	☐ Basic Bedrk	☒ Valley Slope	☐ Forb	☐ Marsh
☐ Shallow Water	☐ Carb. Bedrk	☐ Tableland	☐ Lichen	☐ Swamp
☒ Surficial Dep.		☐ Roll. Upland	☐ Bryophyte	☐ Fen
☐ Bedrock		☐ Cliff	☐ Deciduous	☐ Bog
History		☐ Talus	☐ Coniferous	☐ Barren
☐ Natural		☐ Crevice/Cave	☐ Mixed	☒ Meadow
☒ Cultural		☐ Alvar		☐ Prairie
Cover		☐ Rockland		☐ Thicket
☒ Open		☐ Beach / Bar		☐ Savannah
☐ Shrub		☐ Sand Dune		☐ Woodland
☐ Treed		☐ Bluff		☐ Forest
				☐ 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	1	Apple >> White Cedar >> Crataegus sp. >> Russian Olive
2	4	4	Smooth Brome > Canada Goldenrod > Orchard Grass = Timothy
3	5-4	2	New England Aster > Red Osier Dogwood > Com. Milkweed >> Chickory
4	7-6	3	Strawberry >> St. John's-wort

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 - 60% 4 > 60%

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

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

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

Ecosite:	Mineral Cultural Meadow Ecosite	Code:	CUM1
Vegetation Type:	Dry-Moist Old Field Meadow Type	Code:	CUM1-1
Inclusion:	—	Code:	—
Complex:	—	Code:	—

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Prism Factor: 2

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

Soils Ontario and ELC Soils Description

							Summary
Site Metrics		Pit/Augor #	WP2K8 (1)				
	UTM	Zone					
		Easting					Moisture Regime
		Northing					
	Slope	Position	3				
		Aspect	SE				
		Percent	40				Drainage
		Slope Length	18m				
Depth to...		Mottles	>120				
		Gley	>120				
		Water Table	>120				Effective Texture (indicate below)
		Carbonates	23				
		Bedrock	>120				
Soil Horizon Description	1	Depth from zero	0	% CF 5	% CF	% CF	% CF
		Texture	C				(C)
	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					
	Moisture Regime		~~Fresh~~ Fresh (3)				Fresh (2)
	Drainage		Mod. well (4)				Mod well (4)

ELC Plant Species List	SITE: BLW 480
	POLYGON: (3)
	DATE: Aug. 17/11
	SURVEYOR(S): SAM

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER

ABUNDANCE CODES: R = RARE O = OCCASSIONAL A = ABUNDANT D = DOMINANT

SPECIES CODE	LAYER 1	2	3	4	COLL.
Tall G'rsd					
* Sm Brome		D			
NE Aster			A		
Orch. Grass		O			
R-O Dogwd.			O		
Sour Cherry					
Apple	O				
Russian O/ve	R				
Choke Cherry					
Strawberry				A	
QA Lace					
Chicory			O		
BlK Rasp					
Cw	O				
Hillbrcd			O		
Crataegus Sp	R				
Horsewed					
Timothy		O			
Can. G'rsd		A			
St Hmswort				R	

SPECIES CODE	LAYER 1	2	3	4	COLL.

wpt 212

ELC Community Description and Classification

Site: BLW 480		Polygon: (4)	
Surveyor(s): SAM	Date: Aug 17/11	Time start: 12 10h	finish: 12 40h
UTMZ: 17T	UTMZ:	UTMN:	

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
[x] Terrestrial	[ ] Organic	[ ] Lacustrine	[ ] Plankton	[ ] Lake
[ ] Wetland	[x] Mineral Soil	[x] Riverine	[ ] Submerged	[ ] Pond
[ ] Aquatic	[ ] Parent Min.	[ ] Bottomland	[ ] Floating-LVD	[ ] River
Site	[ ] Acidic Bedrk	[ ] Terrace	[x] Graminoid	[ ] Stream
[ ] Open Water	[ ] Basic Bedrk	[x] Valley Slope	[ ] Forb	[ ] Marsh
[ ] Shallow Water	[ ] Carb. Bedrk	[ ] Tableland	[ ] Lichen	[ ] Swamp
[x] Surficial Dep.		[ ] Roll. Upland	[ ] Bryophyte	[ ] Fen
[ ] Bedrock		[ ] Cliff	[ ] Deciduous	[ ] Bog
History		[ ] Talus	[ ] Coniferous	[ ] Barren
[ ] Natural		[ ] Crevice/Cave	[x] Mixed	[x] Meadow
[x] Cultural		[ ] Alvar		[ ] Prairie
Cover		[ ] Rockland		[ ] Thicket
[x] Open		[ ] Beach / Bar		[ ] Savannah
[ ] Shrub		[ ] Sand Dune		[ ] Woodland
[ ] Treed		[ ] Bluff		[ ] Forest
				[ ] 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	1	Apple = Russian Olive
2	4	4	Smooth Brome >> Orchard Grass = Queen Ann Lace > Curly Goldenrod
3	5-4	3	Heath Aster > New England Aster > Tall G'rod > Apple
4	7-6	2	Strawberry >> Field Hawkweed > Alsike Clover > St. John's Wort

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 - 60% 4 > 60%

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

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

Com. Age:	[ ] Pioneer	[X] Young	[ ] Mid-Age	[ ] Mature	[ ] Old Growth

Ecosite:	Mineral Cultural Meadow Ecosite	Code:	CUM1
Vegetation Type:	Dry-Moist Old Field Meadow Type	Code:	CUM1-1
Inclusion:		Code:	
Complex:		Code:	

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Prism Factor: 2

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

Soils Ontario and ELC Soils Description

								Summary
Site Metrics	Pit/Auger #		wpt 212 (1)					
	UTM	Zone	17T					Moisture Regime
		Easting						
		Northing						
	Slope	Position	3					
		Aspect	WNW					
		Percent	35					Drainage
		Slope Length	80m					
Depth to...	Mottles		>120					
	Gley		>120					Effective Texture (indicate below)
	Water Table		>120					
	Carbonates		17					
	Bedrock		>120					
Soil Horizon Description	1	Depth from zero	0	% CF 5	% CF	% CF	% CF	% CF
		Texture	C					(C)
	2	Depth from zero		% CF	% CF	% CF	% CF	% CF
		Texture						
	3	Depth from zero		% CF	% CF	% CF	% CF	% CF
		Texture						
	4	Depth from zero		% CF	% CF	% CF	% CF	% CF
		Texture						
		% Surface Stone/Rock						
	Moisture Regime		Fresh (2)					Fresh (2)
	Drainage		Mod well (4)					Mod well (4)

ELC Plant Species List	SITE: BZW 480
	POLYGON: 4
	DATE: Aug 17/11
	SURVEYOR(S): SAM

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER

ABUNDANCE CODES: R = RARE O = OCCASSIONAL A = ABUNDANT D = DOMINANT

SPECIES CODE	LAYER 1	LAYER 2	LAYER 3	LAYER 4	COLL.
Sm Brome	~~R~~	D			
QALace		A			
Teasel					
Tall G'rod			O		
Alsike Clover				O	
Timothy					
NE Aster			D		
Russian Olive	R				
Red Clover					
Chickory					
Burdock					
Orch Grass		A			
Gray G'rod					
Strawberry				D	
Dandelion					
~~[illegible]~~					
Heath Aster			D		
Field Hawkweed				A	
Self Heal				O	
Apple	R		O		
~~[illegible]~~				~~[illegible]~~	
Early Goldenrod		A			

SPECIES CODE	LAYER 1	LAYER 2	LAYER 3	LAYER 4	COLL.

ELC Community Description and Classification

Site: BLW 480		Polygon: 6	
Surveyor(s): SAM	Date: Aug. 17/11	Time start: 12:40h	finish: 13:15h
UTMZ: 17T	UTMZ:	UTMN:	

Polygon Description

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

Stand Description

Layer	HT	CVR	Species In Order of Decreasing Dominance (up to 4 sp) (>> Much Greater Than; > Greater Than; = About Equal To)
1	2	3-4	[redacted] Be > MH > Ip = [redacted] Aw
2	3-2	2	Com. Buckthorn > Sour Cherry > MH > Ip
3	4-3	2	[redacted] Grape > Virg. Creeper > Choke Cherry
4	7-6	3	Strawberry > White Avens > Dandelion > Garlic mustard

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 - 60% 4 > 60%

Stand Composition:	Size Class Analysis:	<10	10-24	25-50	>50
Be 40 MH 30 Ip 10 Aw 10	Standing Snags:	R	R	N	N
BA: 20	Deadfall / Logs:	N	R	N	N

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

Com. Age: [ ] Pioneer [ ] Young [X] Mid-Age [ ] Mature [ ] Old Growth

Ecosite:	Mineral Cultural Woodland Ecosite	Code:	CUW1
Vegetation Type:	Beech - Sugar Maple Mineral Cultural Woodland Type	Code:	CUW1
Inclusion:	—	Code:	—
Complex:	—	Code:	—

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Prism Factor: 2

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Rel. Avg.
Be	4				4	40
MH	2				2	20
Ip	1				1	10
Sour Cherry	1				1	10
Com Buckthorn	1				1	10
Aw	1				1	10
Total	10				10	100
Basal Area (BA)	20				20	
Dead	—				—	

Soils Ontario and ELC Soils Description

							Summary
Site Metrics	Pit/Auger #		WP 214 (1)				
	UTM	Zone					Moisture Regime
		Easting					
		Northing					
	Slope	Position	4				
		Aspect	SW				
		Percent	20				Drainage
		Slope Length	20 m				
Depth to...	Mottles		>120				
	Gley		>120				Effective Texture (indicate below)
	Water Table		>120				
	Carbonates		//				
	Bedrock		>120				
Soil Horizon Description	1	Depth from zero	0	% CF 5-10	% CF	% CF	% CF
		Texture	C				
	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	5				5
	Moisture Regime		Fresh (2)				Fresh (2)
	Drainage		Mod. well (4)				Mod. well (4)

ELC Plant Species List	SITE: BLW 480
	POLYGON: 5
	DATE: Aug. 17/11
	SURVEYOR(S): SAM

LAYERS: 1 = CANOPY 2 = SUB-CANOPY 3 = UNDERSTORY 4 = GROUND (GRD.) LAYER

ABUNDANCE CODES: R = RARE O = OCCASSIONAL A = ABUNDANT D = DOMINANT

SPECIES CODE	LAYER 1	LAYER 2	LAYER 3	LAYER 4	COLL.
Grape			A		
Com. Buckthorn		D			
Wt Avens				A	
Calico Aster					
Strawberry				D	
Dandelion				A	
Burdock					
Garlic Must.				A	
MH	D	O			
Swamp Currant				O	
Virg. Creeper			A		
Al Aster				R	
Quack Grass					
Sour Cherry		A			
PT	O				
Be	O				
Choke Cherry			O		
Ip	O	O			
Ew	A				

SPECIES CODE	LAYER 1	LAYER 2	LAYER 3	LAYER 4	COLL.

VASCULAR PLANT CHECKSHEET

Location: BLW480
Observer: SAM
Date: Aug. 17/11
Job Number:

DICOT HERBS	1	2	3	4	5	6
Achillea millefolia						
Actaea pachypoda						
Actaea rubra						
Agalinus						
Agrimonia gryposepala						
Alliaria petiolaris						
Amaranthus retroflexus						
Ambrosia artemisiifolia						
Amphicarpaea bracteata						
Anaphalis margaritacea						
Anemone						
Anemone canadensis						
Anemone virginiana						
Antennaria neglecta						
Apocynum androsaemifolium						
Apocynum cannabinum						
Aquilegia canadensis						
Aralia nudicaulis						
Arctium minus				X		
Artemisia						
Asarum canadense						
Asclepias incarnata						
Asclepias syriaca	X	X	X			
Aster						
Aster cordifolius						
Aster ericoides				X		
Aster lanceolatus		X				
Aster lateriflorus						
Aster macrophyllus						
Aster novae-angliae	X	X	X	X		
Aster puniceus		X				
Barbarea vulgaris						
Bidens cernua						
Bidens frondosa		X				
Boehmeria cylindrica						
Caltha palustris						
Calystegia sepium						
Cardamine diphylla						
Cardamine						
Caulophyllum thalictroides						
Cerastium fontanum						
Ceratophyllum demersum						
Chelidonium majus						
Chenopodium album						
Chrysanth. leucanthemum						
Cichorium intybus	X		X	X		
Cicuta						
Circaea lutetiana						
Cirsium arvense			X			
Cirsium vulgare						
Clematis virginiana						
Clintonia borealis						
Conyza canadensis				X		
Coronilla varia						
Cynanchum rossicum						
Cynoglossum officinale						
Daucus carota	X			X	X	
Desmodium canadense						
Dianthus armeria						
Dipsacus fullonum	X	X		X		
Echinosystis lobata						
Echium vulgare						
Epilobium						
Epilobium ciliatum			X			
Epilobium hirsutum						
Epilobium parviflorum						
Epilobium leptophyllum			X			

	1	2	3	4	5	6
Erigeron annuus						
Erigeron philadelphicus						
Erigeron strigosus						
Erysimum chieranthoides						
Eupatorium maculatum		X				
Eupatorium perfoliatum		X				
Eupatorium rugosum						
Euphorbia						
Euthamia graminifolia						
Fragaria virginiana	X		X	X		
Fragaria vesca						
Galeopsis tetrahit						
Galium						
Galium						
Galium palustre						
Galium trifidum						
Geranium maculatum						
Geranium robertianum						
Geum aleppicum	X					
Geum canadense	X					
Geum						
Glecoma hederacea						
Hepatica acutiloba						
Hesperis matronalis						
Hieracium aurantiacum						
Hieracium caespitosum						
Hieracium pratense				X		
Hydrophyllum virginianum						
Hypericum perforatum			X			
Impatiens capensis		X				
Inula helenium						
Lactuca						
Laportea canadensis						
Lapsana communis						
Leonurus cardiaca						
Lepidium						
Linaria vulgaris						
Lithospermum officinale						
Lobelia						
Lobelia inflata						
Lotus corniculatus						
Lycopus americanus						
Lycopus						
Lysimachia ciliata						
Lythrum salicaria						
Medicago lupulina						
Medicago sativum						
Melilotus alba						
Mentha arvensis						
Mimulus ringens						
Mimulus ringens						
Mitella diphylla						
Monarda fistulosa						
Myosotis						
Nasturtium officinale						
Nepeta cataria						
Nuphar variegatum						
Nymphaea odorata						
Oenothera biennis						
Osmorhiza						
Oxalis stricta						
Phyrma leptostachya						
Physalis heterophylla						

	1	2	3	4	5	6
Plantago lanceolata						
Plantago major						
Plantago rugelii						
Podophyllum peltatum						
Polygonum						
Polygonum						
Polygonum						
Polygonum lapathifolium						
Polygonum persicaria						
Potentilla						
Potentilla norvegica						
Potentilla recta						
Prenanthes alba						
Prunella vulgaris						
Pyrola elliptica						
Ranunculus pensylvanicus				X		
Ranunculus abortivus						
Ranunculus acris						
Rudbeckia hirta						
Rumex acetosella						
Rumex crispus						
Rumex						
Sanguinaria canadensis						
Sericula marilandica						
Saponaria officinalis						
Satureja vulgaris						
Scutellaria galericulata						
Silene vulgaris						
Sium suave						
Solanum dulcamara			X			
Solidago juncea					X	
Solidago altissima	X		X			
Solidago caesia						
Solidago canadensis	X		X			
Solidago flexicaulis						
Solidago gigantea						
Solidago nemoralis					X	
Solidago rugosa						
Sonchus arvensis						
Sonchus asper						
Stellaria						
Tanacetum vulgare						
Taraxacum officinale					X	
Thalictrum dioicum						
Thalictrum pubescens						
Tiarella cordifolia						
Tragopogon pratensis						
Trientalis borealis						
Trifolium hybridum	X				X	
Trifolium pratense					X	
Trifolium repens						
Tussilago farfara						
Urtica dioica						
Utricularia vulgaris						
Verbascum thapsus						
Verbena hastata			X			
Verbena urticifolia						
Veronica						
Veronica officinalis						
Viola cracca	X					
Viola tetrasperma						
Viola						
Viola						
Viola pubescens						
Viola eorora						

MONOCOT HERBS	1	2	3	4	5	6
Alisma plantago-aquatica						
Allium tricoccum						
Allium						
Arisaema triphyllum						
Asparagus officinalis						
Calla palustris						
Clintonia borealis						
Convallaria majus						
Cypripedium calceolus						
Elodea canadensis						
Epipactis helleborine						
Erythronium americanum						
Hemerocallis fulva						
Iris versicolor						
Lemna minor						
Lemna trisulca						
Lilium						
Maianthemum canadense						
Maianthemum racemosa						
Maianthemum stellata						
Platanthera						
Pontederia cordata						
Polygonatum pubescens						
Potamogeton crispus						
Potamogeton pectinatus						
Potamogeton						
Potamogeton						
Potamogeton						
Sagittaria latifolia						
Sisyrinchim montanum						
Smilax herbacea						
Spiranthes cernua						
Spirodela polyrhiza						
Streptopus roseus						
Trillium erectum						
Trillium grandiflorum						
Uvularia grandiflora						

SITE LOCATIONS

1: polygon #1
2: polygon #2
3: polygon #3
4: polygon #4
5: polygon #5
6: