

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	X			X			Bromus inermis							
Picea glauca						Rubus odoratus							Calamagrostis canadensis							
Pinus resinosa						Rubus pubescens							Carex acrotata							
Pinus strobus						Salix alba							Carex aurea							
Pinus sylvestris						Salix amygdaloides							Carex bebbii							
Thuja occidentalis						Salix bebbiana		X					Carex blanda		X					
Tsuga canadensis		X				+ Salix discolor							Carex gracillima							
						Salix eriocephala		X					Carex graminea							
						Salix exigua							Carex lyallii							
						Salix lasida							Carex pennsylvanica							
						Salix petiolaris		X					Carex radiata							
TREES and SHRUBS						+ Salix purpurea							Carex retrorsa							
Acer negundo						Salix x rubens		X					Carex stipata							
Acer rubrum						+ Salix							Carex stricta							
Acer saccharinum						Sambucus canadensis			X	X			Carex vulpinoidea							
Acer saccharum	X		X	X		Sambucus racemosa							Carex plantaginea	X						
Acer spicatum						Sorbus aucuparia							Carex intumescens			X				
Alnus rugosa						Spiraea alba							Carex							
Amelanchier						Syringa vulgaris							Carex							
Berberis thunbergii						+ Tilia americana	X		X	X			Carex							
Betula alleghaniensis			X			Ulmus americana			X	X			Carex							
Betula papyrifera						Ulmus							Carex							
Carpinus caroliniana	X		X	X		Vaccinium							Carex							
Carya cordiformis			X			Viburnum lentago							Carex							
Celastrus scandens						Viburnum opulus							Cyperus							
Cornus alternifolia			X			Viburnum							Cyperus							
Cornus amomum						Vitis riparia							Dactylis glomerata							
Cornus rugosa						Lindera benzoin	X		X	X			Danthonia spicata							
Cornus stolonifera	X					Carya ovata	X		X				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		X	X									Glyceria							
Fraxinus americana	X		X	X									Juncus dudleyi							
Fraxinus nigra						FERNS							Juncus effusus				X			
Fraxinus pennsylvanica			X			Adiantum pedatum							Juncus tenuis							
Ilex verticillata						Athyrium filix-femina		X	X	X			Juncus compressus				X			
Juglans cinerea						Botrychium multifidum							Juncus							
Juglans nigra						Botrychium virginicum							Leersia oryzoides							
Lonicera morrowi						Cystopteris bulbifera							Muhlenbergia							
Lonicera tatarica						Dryopteris caroliniana		X	X	X			Oryzopsis asperifolia							
Lonicera						Dryopteris cristata							Panicum							
Malus pennsylvanica						Dryopteris marginalis							Panicum							
Ostrya virginiana						Dryopteris							Panicum arundinaceum				X			
Parthenocissus inserta						Equisetum arvense							Panicum pratense							
Populus balsamifera						Equisetum hyemale							Panicum australe				X			
Populus grandidentata						Equisetum variegatum							Poa compressa							
Populus tremuloides	X					Equisetum							Poa pratensis							
Populus deltoides	X					Gymnocarpium dryopteris							Poa palustris				X			
Prunus pennsylvanica						Lycopodium digitatum							Scirpus atrovirens				X			
Prunus serotina				X		Lycopodium obscurum							Scirpus cyperinus							
Prunus virginiana	X			X		Lycopodium							Scirpus validus							
Prunus						Lycopodium							Scirpus							
Quercus macrocarpa						Matricaria struthiopteris							Scirpus							
Quercus rubra						Onoclea sensibilis							Setaria							
Quercus						Onoclea cinnamomea							Sparganium							
Rhus copallina						Onoclea sensibilis							Typha angustifolia							
Rhus radicans	X			X		Polytaenium acrostichoides	X	X	X				Typha latifolia				X			
Rhus typhina						Pteridium aquilinum							Typha glauca							
Ribes americana				X		Thelypteris palustris		X												
Ribes cynosbati																				
Ribes x rubrum						Equisetum pratense		X												
Robinia pseudo-acacia																				

ELC WILDLIFE	SITE: 375-65H1362/1018	
	POLYGON: 4	
	DATE: Oct 5/11	
	SURVEYORS: SAM	
	START TIME: 1800h	END TIME: 1830h

TEMP (°C): 16	CLOUD (10th): 2	WIND: 1	PRECIPITATION: nil
CONDITIONS:			

POTENTIAL WILDLIFE HABITAT:

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

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
B	GRCA	VO		1					
B	WBNU	VO		2					
H	Spring Peeper	VO		3					
B	AMRO	VO		1					

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)

ELC Plant Species List	SITE: 375 GSA 1362/1388/1390
	POLYGON: ⑤
	DATE: Oct. 5/11
	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				COLL.
	1	2	3	4	
Bl Cotton					
Phrag					
Slx herb					
Pan. Aster					
Blk Bulrush					
J. effusus					
Juncus weed					
Salix eriocceph.					
Barnet					
Eutham. gram.					
NE Aster					
ROD					
Reed Canary					
Marsh Fern					
NY					
Pdel					
J. comp.					
N. Bugweed					
Poa palmst.					
Self Heal					
Need. Willow					
Need Horsetail					
Salix rubra					

SPECIES CODE	LAYER				COLL.
	1	2	3	4	

Forb/
Phrag-
MAN

ELC Plant Species List	SITE: 375-GSH 1362/1388/1396
	POLYGON: (6)
	DATE: Oct. 5/11
	SURVEYOR(S): SAM photos 11/11

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				COLL.
	1	2	3	4	
Spicebush					
Blue Beech					
mt Wood Fern					
MH					
AW					
Bp					
N. Lady Fern					
Wood Nettle					
en					
Blk Elder					
He					
Calico					
Ag					
By					
mt Fern (Xmas)					
HBN					
mt Blueberry					
False Sol Seal					
Uvula perf					
Be					
C. intam.					
Ald. Dogwood					

SPECIES CODE	LAYER				COLL.
	1	2	3	4	

peeper
Dowd

ELC WILDLIFE	SITE: 375-654 1388/1390	
	POLYGON: 6	
	DATE: Oct. 5/11	
	SURVEYORS: SAM	
	START TIME: 1755h	END TIME: 1820h

TEMP (°C): 16	CLOUD (10th): 2	WIND: 1	PRECIPITATION: nil
CONDITIONS:			

POTENTIAL WILDLIFE HABITAT:

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

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

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
B	Dowd	VO		1					
H	Spring Peeper	VO		1					

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)



- Legend**
- Property Boundary
 - GE Turbine
 - ELC Completed 2011
 - Natural Feature and ID
 - ELC Polygon Boundary
 - Disturbance Areas
 - Area of Disturbance, plus 10m
 - ANSI
 - Evaluated Wetlands - PSW
 - ABCA Watercourse



Basemap from Ontario Ministry of Natural Resources
 Cartography 2010

UTW Zone 17N, MAD 83

1:2,000

0 25 50 100
 Metres

N
 E
 S
 W

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Goshen ELC Survey
375_GSH1362
 April 2012
 Project 60155032

AECOM

Figure 1

ELC
Community Description and Classification

Map #: 375GSH1362 Polygon: F006-S
 Surveyor(s): Date: Time start: 1:20pm
 Jozz Kutty Tamshany May 1, 2012 finish: 3:12pm
 UTMZ: 450830 UTMZ: 4404628 UTMN:

Polygon Description

System	Substrate	Topographic Features	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"/> 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	4	4	ACESAC > TILAMEK > FAGRAN = F006-S
2	4	4	ACESAC - TILAMEK - FAGRAN - UIMAMEK
3	4	3	PRVIC - UIMAMEK - SUOBOV
4	6	3	PLVGR > ALTRIC > TRIGRAN - 1-1-1

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

Stand Composition: Size Class Analysis:

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

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

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

Ecote: FRESH-MOIST SUGAR MAPLE Deciduous Forest
 F006-S
Vegetation Type: Fresh-Moist Sugar Maple-Hardwood deciduous Forest Type
Inclusion:
Complex:

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

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

Soils Ontario and ELC Soils Description

Site Metrics		PIV/Auger #	Soils Description				Summary
Zone	17	1					Moisture Regime
Easting	450830						
Northing	4404628						
Position	Flat						
Aspect	-						Drainage
Percent	-						
Slope	-						
Length	15cm						Effective Texture (Indicate below)
Mottles	-						
Gley	-						
Water Table	-						
Carbonates	-						% CF
Bedrock	-						
Depth from zero	15cm		% CF				
Texture	SIL						
Depth from zero	29cm		% CF				% CF
Texture	SK						
Depth from zero			% CF				% CF
Texture							
Depth from zero			% CF				% CF
Texture							
Depth from zero			% CF				% CF
Texture							
% Surface Stone/Rock							% CF
Moisture Regime							
Drainage							

Plant Species List
2012

Trees & Shrubs					Tree & Shrubs					Graminoids				
1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
Conifers					Deciduous					Grasses				
Balsam Fir (<i>Abies balsamea</i>)					White Oak (<i>Quercus alba</i>)					Giant Redtop (<i>Agrostis gigantea</i>)				
Common Juniper (<i>Juniperus communis</i>)					Bur Oak (<i>Quercus macrocarpa</i>)					Redtop (<i>Agrostis stolonifera</i>)				
Eastern Red Cedar (<i>Juniperus virginiana</i>)					Red Oak (<i>Quercus rubra</i>)					Awnless Brome (<i>Bromus inermis</i>)				
Tamarack (<i>Larix laricina</i>)					Alder Buckthorn (<i>Rhamnus alnifolia</i>)					Bromus				
Norway Spruce (<i>Picea abies</i>)					Common Buckthorn (<i>Rhamnus cathartica</i>)					Blue-joint Grass (<i>Calamagrostis canadensis</i>)				
White Spruce (<i>Picea glauca</i>)					Smooth Sumac (<i>Rhus glabra</i>)					Orchard Grass (<i>Dactylis glomerata</i>)				
Black Spruce (<i>Picea mariana</i>)					Staghorn Sumac (<i>Rhus hirta</i>)					Poverty Oat Grass (<i>Danthonia spicata</i>)				
Jack Pine (<i>Pinus banksiana</i>)					Wild Black Currant (<i>Ribes americanum</i>)					Quack Grass (<i>Elymus repens</i>)				
Red Pine (<i>Pinus resinosa</i>)					Prickly Gooseberry (<i>Ribes cynosbati</i>)					Virginia Wild Rye (<i>Elymus virginicus</i>)				
Eastern White Pine (<i>Pinus strobus</i>)					Swamp Black Currant (<i>Ribes lacustre</i>)					Elymus				
Scotch Pine (<i>Pinus sylvestris</i>)					Red Currant (<i>Ribes rubrum</i>)									
Canada Yew (<i>Taxus canadensis</i>)					<i>Ribes</i>					Fowl Manna Grass (<i>Glyceria striata</i>)				
Eastern White Cedar (<i>Thuja occidentalis</i>)					Black Locust (<i>Robinia pseudo-acacia</i>)					Glyceria				
Eastern Hemlock (<i>Tsuga canadensis</i>)					Prickly Rose (<i>Rosa acicularis</i>)					Rice Cut Grass (<i>Leersia oryzoides</i>)				
					Smooth Rose (<i>Rosa blanda</i>)					Tall Fescue (<i>Lolium arundinaceum</i>)				
					Multiflora Rose (<i>Rosa multiflora</i>)					Muhlenbergia				
					Rose					Witch-grass (<i>Panicum capillare</i>)				
Deciduous														
Manitoba Maple (<i>Acer negundo</i>)					Com. Blackberry (<i>Rubus allegheniensis</i>)					Panicum				
Black Maple (<i>Acer nigrum</i>)					Wild Red Raspberry (<i>Rubus idaeus</i>)					Reed Canary Grass (<i>Phalaris arundinacea</i>)				
Norway Maple (<i>Acer platanoides</i>)					Black Raspberry (<i>Rubus occidentalis</i>)					Timothy (<i>Phleum pratense</i>)				
Red Maple (<i>Acer rubrum</i>)					Purple-fl. Raspberry (<i>Rubus odoratus</i>)					Common Reed (<i>Phragmites australis</i>)				
Silver Maple (<i>Acer saccharinum</i>)					Dwarf Raspberry (<i>Rubus pubescens</i>)					Canada Blue Grass (<i>Poa compressa</i>)				
Freeman's Maple (<i>Acer X freemanii</i>)					<i>Rubus</i>					Fowl Meadow Grass (<i>Poa palustris</i>)				
Sugar Maple (<i>Acer saccharum</i>)					Peach-leaved Willow (<i>Salix amygdaloides</i>)					Kentucky Bluegrass (<i>Poa pratensis</i>)				
Mountain Maple (<i>Acer spicatum</i>)					Bebb's Willow (<i>Salix bebbiana</i>)					Yellow Foxtail (<i>Setaria pumila</i>)				
Speckled Alder (<i>Alnus incana</i>)					Pussy Willow (<i>Salix discolor</i>)					Green Foxtail (<i>Setaria viridis</i>)				
Downy Serviceberry (<i>Amelanchier arborea</i>)					Missouri Willow (<i>Salix eriocephala</i>)									
Serviceberry (<i>Amelanchier sanguinea</i>)					Sandbar Willow (<i>Salix exigua</i>)									
Yellow Birch (<i>Betula alleghaniensis</i>)					Shining Willow (<i>Salix lucida</i>)									
White Birch (<i>Betula papyrifera</i>)					Black Willow (<i>Salix nigra</i>)									
European Birch (<i>Betula pendula</i>)					Slender Willow (<i>Salix petiolaris</i>)									
Blue Beech (<i>Carpinus caroliniana</i>)					<i>Salix</i>									
Bitternut hickory (<i>Carya cordiformis</i>)					Hybrid Crack Willow (<i>Salix X rubens</i>)									
Shagbark Hickory (<i>Carya ovata</i>)					Black-barked Elder (<i>Sambucus nigra</i>)									
Climbing Bittersweet (<i>Celastrus scandens</i>)					Red-barked Elder (<i>Sambucus racemosa</i>)									
Common Hackberry (<i>Celtis occidentalis</i>)					Buffaloberry (<i>Shepherdia canadensis</i>)									
Buttonbush (<i>Cephalanthus occidentalis</i>)					Eur. Mountain Ash (<i>Sorbus aucuparia</i>)									
Alt.-leaved Dogwood (<i>Cornus alternifolia</i>)					Narrow Meadow-sweet (<i>Spiraea alba</i>)									
Silky Dogwood (<i>Cornus amomum</i>)					Common Lilac (<i>Syringa vulgaris</i>)									
Bunchberry (<i>Cornus canadensis</i>)					Poison-ivy (<i>Toxicodendron rydbergii</i>)									
Gray dogwood (<i>Cornus racemosa</i>)					Climbing Poison-ivy (<i>Toxicodendron radicans</i>)									
Round-leaved Dogwood (<i>Cornus rugosa</i>)					White Elm (<i>Ulmus americana</i>)									
Red-osier Dogwood (<i>Cornus sericea</i>)					Siberian Elm (<i>Ulmus pumila</i>)									
American Hazel (<i>Corylus americana</i>)					Slippery Elm (<i>Ulmus rubra</i>)									
Beaked Hazel (<i>Corylus cornuta</i>)					Low Blueberry (<i>Vaccinium angustifolium</i>)									
Cockspur Thorn (<i>Crataegus crus-galli</i>)					Maple-leaf Viburnum (<i>Viburnum acerifolium</i>)									
English Hawthorn (<i>Crataegus monogyna</i>)					Hobblebush (<i>Viburnum lantanoides</i>)									
Large-fruited Thorn (<i>Crataegus punctata</i>)					Nannyberry (<i>Viburnum lentago</i>)									
<i>Crataegus</i>					Guelder-Rose (<i>Viburnum opulus</i>)									
<i>Crataegus</i>					Downy Arrow-wood (<i>Vib. rafinesquianum</i>)									
Bush Honeysuckle (<i>Diervilla lonicera</i>)					Riverbank Grape (<i>Vitis riparia</i>)									
Russian Olive (<i>Elaeagnus angustifolia</i>)					Am. Prickly-ash (<i>Zanthoxylum americanum</i>)									
Autumn Olive (<i>Elaeagnus umbellata</i>)					Tamarac									
Run. Strawberry-bush (<i>Euonymus obovata</i>)														
American Beech (<i>Fagus grandifolia</i>)														
Glossy Buckthorn (<i>Frangula alnus</i>)														
White Ash (<i>Fraxinus americana</i>)														
Black Ash (<i>Fraxinus nigra</i>)														
Green Ash (<i>Fraxinus pennsylvanica</i>)														
Witch-hazel (<i>Hamamelis virginiana</i>)														
Winterberry (<i>Ilex verticillata</i>)														
Butternut (<i>Juglans cinerea</i>)														
Black Walnut (<i>Juglans nigra</i>)														
Common Privet (<i>Ligustrum vulgare</i>)														
Spicebush (<i>Lindera benzoin</i>)														
Fly Honeysuckle (<i>Lonicera canadensis</i>)														
Glaucous Honeysuckle (<i>Lonicera dioica</i>)														
Morrow's Honeysuckle (<i>Lonicera morrowii</i>)														
Tartarian Honeysuckle (<i>Lonicera tatarica</i>)														
Common Apple (<i>Malus pumila</i>)														
White Mulberry (<i>Morus alba</i>)														
Sweet Gale (<i>Myrica gale</i>)														
Ironwood (<i>Ostrya virginiana</i>)														
Thicket-creeper (<i>Parthenocissus inserta</i>)														
Ninebark (<i>Physocarpus opulifolius</i>)														
Balsam Poplar (<i>Populus balsamifera</i>)														
Eastern Cottonwood (<i>Populus deltoides</i>)														
Large-tooth Aspen (<i>Populus grandidentata</i>)														
Trembling Aspen (<i>Populus tremuloides</i>)														
Sweet Cherry (<i>Prunus avium</i>)														
Pin Cherry (<i>Prunus pensylvanica</i>)														
Black Cherry (<i>Prunus serotina</i>)														
Choke Cherry (<i>Prunus virginiana</i>)														
<i>Prunus</i>														
					Ferns & Allies									
					Lady Fern (<i>Athyrium filix-femina</i>)									
					Rattlesnake Fern (<i>Botrychium virginianum</i>)									
					Bulbet Bladder Fern (<i>Cystopteris bulbifera</i>)									
					Spin. Wood Fern (<i>Dryopteris carthusiana</i>)									
					Crested Wood Fern (<i>Dryopteris cristata</i>)									
					Marginal Wood Fern (<i>Dryopteris marginalis</i>)									
					<i>Dryopteris</i>									
					Ostrich Fern (<i>Matteuccia struthiopteris</i>)									
					Sensitive Fern (<i>Onoclea sensibilis</i>)									
					Cinnamon Fern (<i>Osmunda cinnamomea</i>)									
					Interrupted Fern (<i>Osmunda claytoniana</i>)									
					Royal Fern (<i>Osmunda regalis</i>)									
					Christmas Fern (<i>Polystichum acrostichoides</i>)									
					Eastern Bracken-fern (<i>Pteridium aquilinum</i>)									
					Marsh Fern (<i>Thelypteris palustris</i>)									
										Other Graminoids				
										Broad Bur-reed (<i>Sparganium eurycarpum</i>)				
										Narrow-leaved Cattail (<i>Typha angustifolia</i>)				
										Broad-leaved Cattail (<i>Typha latifolia</i>)				
										Broad-leaved Cattail (<i>Typha X glauca</i>)				
										Articulated Rush (<i>Juncus articulatus</i>)				
										Soft Rush (<i>Juncus effusus</i>)				
										Path Rush (<i>Juncus tenuis</i>)				
										Juncus				
										Juncus				

D - Dominant: represented by large numbers; generally forming >10% ground cover or >25% vegetation cover in any one stratum
 F - Fairly common (=Abundant in ELC): generally widespread represented by fairly large numbers of individual clumps; usually forming >10% ground cover
 U - Uncommon (=Occasional in ELC): present as widespread scattered individuals or represented by one or more clumps of many individuals (most species will fall into this category)
 R - Rare: represented in the polygon by less than about five individuals or small clumps

Map Number: 375 FSH 362 1 2006-5 4
 Date: May 1, 2012 2 6
 Surveyors: JP, JS 3

Significant Wildlife Habitat Form

AECOM

Study Area:	BLW	JER	<u>GSH</u>	Map #:	395-GSH1362
Date:	2012-05-01			Time Started:	1:20 P.m.
Field Staff:	Tom Sharkey JESS Pielfo			Time Finished:	3:12 P.m.
Weather Conditions:	overcast 10°C Light wind				

Colonial Nesting Tree/Shrub Birds, Osprey Breeding/Feeding, Bald Eagle Breeding/Nesting Habitat
(FET1, FOC, FOM, FOD, SWC, SWM, SWD)

Nest bowls present: No Yes (if yes, photograph and complete the following)

UTMs: _____ Number of nests: _____

Description of nests (location, e.g. in tree/on built structure; material; evidence of recent use; birds present): _____

Description of habitat (note riparian areas if present, evidence of disturbance): _____

Waterfowls Stopover/Nesting, Amphibian Breeding, Turtle Nesting/Over-wintering, Marsh Breeding Birds
(CUM1, CUT1, MAM, MAS, SAS1, SAM1, SAF1, SWD, SWT1, SWT2) (FOC, FOM, FOD, SWC, SWM, SWD, BOO1, FEO1)

Standing water present: No Yes (if yes, photograph and complete the following)

UTMs: _____ Area of standing water delineated on field map:

Water depth (m): _____ % open water: _____ % emergent vegetation: _____

Description of standing water (permanent pool, evidence of annual spring flooding, etc): _____

Area and soil/substrate of shoreline habitat: _____

Type and abundance of cover in open water habitat: _____

Type and abundance of cover in surrounding habitat: _____

Evidence of disturbance (e.g. cattle grazing): _____

Evidence of use by waterfowl, amphibians, turtles (e.g. broken eggs), marsh breeding birds: _____

*****Complete Vernal Pool Habitat Description Form*****

Snake Hibernacula

Fissured rock/foundation or rock/debris pile present: No Yes (if yes, photograph and complete the following)

UTMs: _____ Likelihood to extend below frost line: _____

% canopy cover: _____ % slope: _____ Distance to open canopy (m): _____

Description of fissure or stone pile (composition/material, dimensions, etc): _____

Description of surrounding habitat (type & abundance of cover, evidence of disturbance, etc): _____

Seeps and Springs (FOC, FOM, FOD, SWC, SWM, SWD)

Evidence of seep or spring: No Yes (if yes, photograph and complete the following)

UTMs: _____ Description (indicator species, etc): _____

NHA Site Investigation - Significant Wildlife Habitat Form

AECOM

Colonial Nesting Bird Breeding Habitat (Bank and Cliff Swallows)

(CUM1, CUT1, CUS, BLO1, BLS1, BLT1, CLO1, CLS1, CLT1)

Eroding bank, sandy hill, pits, steep slope or rock face present:

No

Yes (if yes, photograph and complete the following)

UTMs: _____

Location (e.g. aggregate pit, bridge): _____

Evidence of use by bank or cliff swallows (provide number of nests): _____

Colonial Nesting Ground Breeding Birds, Shorebird Migratory Stopover Areas

(BBO1, BBO2, BBS1, BBS2, BBT1, BBT2, SDO1, SDS2, SDT1, MAM1, MAM2, MAM3, MAM4, MAM5)

Shoreline of lake, large river or large wetland present:

No

Yes (if yes, photograph and complete the following)

UTMs: _____

Rocky island or peninsula present: _____

Mudflat present: _____

Evidence of disturbance (e.g. cattle grazing): _____

Description of habitat (size of rocky outcrop/mudflat, substrate/soil type, type and abundance of cover):

Raptor Winter Feeding and Roosting, Open Country or Shrub/Early Successional Bird Breeding Habitat

CUT1, CUS1, >30ha, CUM1 >30ha, FOC, FOD, FOM with a CUM, CUT, CUS, CUW > 20ha, or a CUM, CUS, CUT, CUW >15ha

Large meadow, old field or generally open habitat (e.g. CUM, CUS, CUT, CUS, CUW) present:

Large open habitat present: No

Yes (if yes, photograph and complete the following)

UTMs: _____

Evidence of disturbance (e.g. cattle grazing): _____

Description of habitat (abundance of food plants for rodents, abundance of perches, height of vegetation):

Old-growth or Mature Forests, Interior Forest Breeding Birds

(FOD, FOC, FOM, SWC, SWM, SWD. Mature forest (>60 years) present)

Mature forest present: No

Yes (if yes, photograph and complete the following)

UTMs: _____

Age of oldest trees: _____

Evidence of disturbance (e.g. selective cutting): _____

Description of habitat (structural complexity, abundance of snags and/or downed woody debris, etc):

Photo #	Location or Subject	Photo #	Location or Subject

Species Conservation Concern Habitat and Incidental Wildlife - Goshen



Map No: 375 GSH 1362
Date (yyyy-mm-dd): 2012-05-01

Field Staff: Jess K. H. E.

Time Started: 1:20 P.M.
Time Finished: 3:12 P.M.

Observed Species List

Species Code	UTM	EV	Notes	Species Code	UTM	EV	Notes
Red-w		VO					
Rose breasted chickadee		OB					
Song Sparrow		VO					
Downy wood		VO					
White-throated sparrow		VO					
Flicker		VO					
Chow		VO					
Bluejay		CA					
Red-shoulder		OB					

Note: Evidence Codes (EV) SH=Suitable Habitat, SM=Singing Male;
Breeding Bird (Possible) T-Territory, D=Display, P=Pair, N=Nest Building, V= Visiting Nest, A=Anxiety Behavior;
Breeding Bird (Probable) DD=Distraction, NU=Used Nest, FY=Fledged Young, NE=Eggs, NY=Young, FS=Foos/Faecal sack, AE=Nest Entry
Breeding Bird (Confirmed) DP=Distinctive Parts, HO=House/Den, FY=Eggs/young, TK=tracks, FE=Feeding evidence, SC= Scat, SI=Other signs (specify)

Other Wildlife Evidence: OB=observed, VO=observed, CA=Carcass, DP=Distinctive Parts, HO=House/Den, FY=Eggs/young, TK=tracks, FE=Feeding evidence, SC= Scat, SI=Other signs (specify)
* Not observed → VO

ELC	Species	Habitat Description	Habitat Present (Y/N; UTM; description of habitat if present)
PLANTS			
FOD7	American Gromwell (Lithospermum latifolium) - S3 Bloom Time - Spring	Shaded river banks, wooded floodplains. River floodplains, woods and edges of woods.	Y (N) UTM:
ALO, TPO	Muehlenberg's astomum moss (Astomum muehlenbergianum) - S2 Bloom Time - Spring	Thin soil over level outcrop ledges and on soil under grasses in open prairie	Y (N) UTM:
FOM1, FOM2, CUP3	Autumn Coral-root (Corallorhiza odontorhiza) - S2 Bloom Time - summer to fall	Oak-pine woods or occasionally in open, red pine or white pine plantations. Dry, sandy woods.	Y (N) UTM
FOC, FOM, FOD	Burning Bush (Euonymus alpinus) - S3 Bloom Time - April - June	Species occurs in dry to moist deciduous thickets and woods	(Y) N UTM N/O
SWC1, SWC3, SWC4, SWM1, SWM2, SWM4, SWM5, SWM6	Chinese Hemlock Parsley (Conioselinum chinense) - S2 Bloom Time - summer to fall	Swampy places with deciduous trees, white cedars, tamarack, springy river banks, wet borders of streams and rivers. Also found among calcareous seepage slopes.	Y (N) UTM
SWC, SWM, SWD, SWT, MAM, MAS	Crowned Beggarticks (Bidens trichosperma) -S2 Bloom Time - late summer	Found in openings in swamps, marshes, along shores & wet fields within the Carolinian zone and southeastern Georgian Bay. Bogs, fens, tamarack swamps.	Y (N) UTM
ALT1, FOD7	Eastern Green-violet (Hybanthus concolor) - S2 Bloom Time - mid March to August	Occurs in rich, wet-mesic floodplain forests as well as mesic forests over limestone. Includes floodplains and river banks.	Y (N) UTM
TPS, TPW, FOM1, FOM2	Fogg's Goosefoot (Chenopodium foggii) -S2	Species occurs in sandy areas on limestone under oak or pine-oak forests	Y (N) UTM
TPO2, TPS2, TPW2,	Giant Ironweed (Vernonia gigantea)-S1? Bloom Time-	Found in mesic prairies, thickets, moist woods, roadsides and grassy meadows	Y (N) UTM

Species of Conservation Concern Habitat and Incidental Wildlife – Goshen

ELC	Species	Habitat Description	Habitat Present (Y/N; UTM; description of habitat if present)
CUM1, MAM, FOD8, FOD7, FOD9	June - August Green Dragon (<i>Arisaema dracontium</i>) - SCIS3 <u>Bloom Time - May and June</u>	Species found in damp deciduous forest and along river streams. Particularly Maple forest and forest dominated by Red Ash and White Elm.	Y N UTM N/O
TPO1, TPS1, TPW1, FOM1, FOM2, FOD1, FOD2, FOD3	June-August Hairy Bedstraw (<i>Galium pilosum</i>) - S3 <u>Bloom Time - June-August</u>	Occurs in dry, sandy woods and thickets; occasionally in dry sandy fields	Y N UTM:
FE01, FES1, FET1, SWC, SWM, SWD, SWT, TPO, TPS, TPW	June to August Hairy Valerian (<i>Valeriana edulis</i>) - S1 <u>Bloom Time - June to August</u>	Inhabits swampy river flats and meadows, wet prairies, and wooded, rocky riverbanks and fens.	Y N UTM:
FOD6, FOD7, SWM, SWD	Summer Hairy Wood Mint (<i>Blephilia hirsuta</i>) - S1 <u>Bloom Time - Summer</u>	Woodlands, often rocky, especially rivers, rich woods, swamp forests, floodplains.	Y N UTM: N/O
FOD8, FOD7, FOD8, FOD9	Early to late April Harbinger-of-spring (<i>Erigenia bulbosa</i>) - S3 <u>Bloom Time - early to late April</u>	Occurs in rich, moist deciduous woods especially on floodplains.	Y N UTM: N/O
SAS1, SAM1, SAF1	Summer Hill's Pond Weed (<i>Potamogeton hillii</i>) - SCIS2 <u>Bloom Time - summer</u>	Aquatic plant found in highly alkaline waters of ditches, ponds, beaver ponds, and slow-moving cold waters.	Y N UTM:
FOM6, FOM7, FOM8	June to August Large Round-leaved Orchid (<i>Platanthera macrophylla</i>) - S2 <u>Bloom Time - June to August</u>	Species inhabits moist mixed woods. Found in fairly mature, upland sugar maple-beech-eastern hemlock woodlands.	Y N UTM:
MAM2, MAM3, MAS2, MAS3, SWD	June - September Lizard's Tail (<i>Saururus cernuus</i>) - S3 <u>Bloom Time - June - September</u>	Species inhabits shores and streambanks along shallow water. As well as swamps, floodplains, shallow water and mudflats at the borders of streams and ponds.	Y N UTM:
FOD6, FOD7, FOD9	March-May Pawpaw (<i>Asimina triloba</i>) - S3 <u>Bloom Time - March-May</u>	Occurs in moist, deciduous woods and stream banks.	Y N UTM: N/O
FOM8, FOD9, FOD7, FOD9, CUM1	Late Spring - Early Summer Pilose Evening Primrose (<i>Oenothera pilosella</i>) - S2 <u>Bloom Time - Late Spring - Early Summer</u>	Moist edges of woods and open, disturbed ground.	Y N UTM: N/O
TPW1, FOM1, FOM2, FOD1, FOD2, FOD3	July-September Prostate Tick-trefoil (<i>Desmodium rotundifolium</i>) - S2 <u>Bloom Time - July-September</u>	Dry, sandy or rocky woods	Y N UTM:
FOD7, SWD	March - June Pumpkin Ash (<i>Fraxinus profunda</i>) - S2? <u>Bloom Time - March - June</u>	Swamps and floodplains	Y N UTM:
CUW1, ALO, FET1, SWC	mid May to mid June Ram's-head Lady's-slipper (<i>Cypripedium arietinum</i>) - S3 <u>Bloom Time - mid May to mid June</u>	Found in cedar woodlands, limestone plains and wooded fens, moist coniferous swamps, dry-sandy woods, and limestone barren.	Y N UTM:
FOD1, FOD2, FOD3, FOD4, FOD5, FOC1, FOM1, FOM5	April - September Rattlesnake Hawkweed (<i>Hieracium venosum</i>) - S2 <u>Bloom Time - April - September</u>	Species inhabits open, dry sandy woods. Jack pine, oak, and aspen woodlands.	Y N UTM:
FOD6, FOD7, FOD9	May - June Round-leaved Groundsel (<i>Packera obovata</i>) - S3 <u>Bloom Time - May - June</u>	Found in moist woods	Y N UTM:
CUM1, CUT1, CUS1	Round-leaved hawthorn (<i>Crataegus lumaria</i>) - S3?	Species occurs in old fields, poorly managed pastures, fencelines and roadsides	Y N UTM:
FOD8, FOD7, FOD8, FOD9, SWT2, SWT3	May to October Scarlet Beebalm (<i>Monarda didyma</i>) - S3 <u>Bloom Time - May to October</u>	Found in moist, rich woods, thicket swamps, banks and floodplains.	Y N UTM: N/O
ALO, ALS, ALT, TPO, TPS, TPW	Slender Blazing Star (<i>Liatris cylindracea</i>) - S3	Species occurs in limestone and dolostone pavement, prairies, open woods, alvars and moist sandy meadows.	Y N UTM:
SBO, SBS, SBT, TPO1, TPS1, TPW1, FOD1, FOD2	Polygonum tenue - S2 Slender Knotweed (<i>Polygonum tenue</i>) - S2	Found in dry, sandy, open areas in deciduous (often oak woods), prairie meadows, at edges of sand pits	Y N UTM:
SOT1, FOD5, FOD9	Muhlybergia tenuiflora - S2 Slim-flowered Muhly (<i>Muhlybergia tenuiflora</i>) - S2	Found in rich deciduous forest, often on rocky or sandy soils, wooded dunes, hillsides, and riverbanks whether in oak or beech-maple woods	Y N UTM:
BLO1, BLS1, BLT1, TPO2, TPS2, TPW2, MAM2, FOD7	late summer to mid fall Stiff Gentian (<i>Gentianella quinquefolia</i>) - S2 <u>Bloom Time - late summer to mid fall</u>	Found in moist soils of streambanks, edges of woods, wet prairies, marshy meadows, bluffs and wooded hillsides	Y N UTM:
TPS1, TPW1, CUW1, RBO, SBO	mid-March to mid-June Sundial Lupine (<i>Lupinus perennis</i>) - S3 <u>Bloom Time - mid-March to mid-June</u>	Inhabits dry, sandy oak savannahs, prairies, open barrens or clearings in woodlands of oak, jack pine, and/or aspen	Y N UTM:

Species Conservation Concern Habitat and Incidental Wildlife - Goshen



Species		Habitat Description	Habitat Present (Y/N; UTM; description of habitat if present)
ELC			
TP01, TPS1, TPW1, CUM1	Tail Blazing Star (<i>Liatris aspera</i>) - S3/SC	Occurs in open, sandy woods, dry roadsides and sandy prairies	Y (N) UTM:
FEO, FES, FET, MAM2, MAM3	Tuberous Indian Plantain (<i>Amoglossum plantagineum</i>) - S3 Bloom Time - mid-March to mid-June	Occurs mainly in flat, sandy areas of the Bruce Peninsula. Fens, wet meadows, and calcareous river flats.	Y (N) UTM:
FOC1, FOC2, FOC3, FOC4	Woodland Pinedrops (<i>Pterospora andromedea</i>) - S2 Bloom Time - summer	Found in conifer woods, under pines, but also hemlock, spruce, fir, and white cedar. In dry or rocky soil, often with common juniper and sometimes aspen or birch.	Y (N) UTM:
CUM1, CUT1, CUW1, RBO1, SBO1	Yellow Ladies' tresses (<i>Spiranthes ochroleuca</i>) - S2 Bloom Time - August to November	Dry, open sites, usually on acidic sandy soil, dry to mesic open woodland, thickets, meadows, barrens, ledges, outcrops, banks and roadsides, old fields.	Y (N) UTM:
BIRDS			
-	Bald Eagle (<i>Haliaeetus leucocephalus</i>) - SC	Assessed as SWH. Record species if found.	not required.
CUW, SDO, RBO, TPS	Common Nighthawk (<i>Chordeiles minor</i>) - SC	Hunts insects over a wide variety of habitats, in particular open or semi-open areas. Nests on ground in a wide range of open, sparse or vegetation-free habitats.	Y (N) UTM:
FOD, FOM	Louisiana Waterthrush (<i>Selurus motacilla</i>) - SC	Inhabits mature forests along steeply sloped ravines adjacent to running water. Trees, bushes, exposed roots, cliffs, banks and mossy logs are favoured nesting spots. Riparian woodlands are preferred stopover sites during migration.	Y (N) UTM:
FOD, CUW, CUT	Red-headed Woodpecker (<i>Melanerpes erythrocephalus</i>) - SC	Species inhabits open woodland/ edges (oak savannahs and riparian forest), open, deciduous forest with little understory; fields or pasture lands with scattered large trees; wooded swamps; orchards, small woodlots or forest edges; groves of dead or dying trees; requires cavity trees with at least 40 cm dbh; requires about 4 ha for a territory.	Y (N) UTM:
-	Short Eared Owl (<i>Asio flammeus</i>) - SC	Assessed as SWH. Record species if found.	not required.
CUT1	Yellow-breasted Chat (<i>Icteria virens</i>) - SC	Inhabits thickets, tall tangles of shrubbery beside streams, ponds; overgrown bushy clearings with deciduous thickets; nests above ground in bush, vines	Y (N) UTM:
REPTILES			
-	Eastern Ribbonsnake (<i>Thamnophis sauritus</i>) - SC	Assessed as SWH. Record species if found.	not required.
-	Milksnake (<i>Lampropeltis triangulum</i>) - SC	Assessed as SWH. Record species if found.	not required.
-	Snapping Turtle (<i>Chelydra serpentina</i>) - SC	Assessed as SWH. Record species if found.	not required.
INSECTS			
OAO, SA, SWM, SWD	Azure Bluett (<i>Enallagma aspersum</i>) - S3	Species inhabits fishless ponds, lakes and boggy swamps	Y (N) UTM:
TPS, TPW	Sleepy Duskywing (<i>Erynnis brize</i>) - S1	Occurs in oak/oak-pine scrub, chaparral, barrens, well-drained sandy or shaly soils. Species regularly seen at flowers in oak woods, on the ground, and at mud puddles.	Y (N) UTM:
CUM1, CUT1, CUW1	Monarch Butterfly (<i>Danaus plexippus</i>) - SC	Their larvae only feed on milkweeds (<i>Asclepius</i> spp.). Habitat includes abandoned farmland, along roadsides, open spaces where these plants grow	Y (N) UTM:
TPS, CUW	Mottled Duskywing (<i>Erynnis martialis</i>) - S2	Usually seen nectaring on or wet sandy roads. Larvae feeds on New Jersey Tea and adults only likely near where this plant is present	Y (N) UTM:
SWT, SWD, SWM, FOM, FOD4-3, TPW, TPS, CUM1	Tawny Emperor (<i>Asterocampa clytem</i>) - S3	Species inhabits densely wooded riparian areas, dry woods, open woods, fencerows and parks. Usually occurs near Hackberry, the larval foodplant	Y (N) UTM:
FOD5	West Virginia White (<i>Pieris virginiensis</i>) - SC	This species is restricted to rich, moist, deciduous woods, where its foodplant Toothwort occur	Y (N) UTM:

Legend

- Turbine Location
- Road Turn-Around
- Collection Line Layout
- Access Road Layout
- Turbine Turn-Around Box
- Collection Line 20m Buffer
- Access Road 60m Buffer
- Area of Disturbance 120m Buffer
- Natural Feature

Roads

- Major Road
- Local Road

Water Features

- Intermittent Stream
- Permanent Stream

Scale

0 30 60 120 180 240
Metres

UTM Zone 17N, NAD 83

15,000

North Arrow

04 Regional Rd
04 Rd
03 Rd

Disclaimer: Sourced from Ontario Ministry of Natural Resources
Ordnance Survey

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NextEra Energy Canada, LLC
Gaithers Wind Energy Centre

Feature 375

December 2011
60156032

AECOM



Figure 1

ELC Community Description and Classification

Site: 375 Polygon: 1.

Surveyor(s): B. Miller Date: Dec 12, 2011 Time start: 8:30 AM

UTM Z: 17 UTM X: 451090 UTM Y: 480488.6 UTM Finish: 9:31 AM

Polygon Description

<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 Mfn.	<input type="checkbox"/> Bottomland	<input type="checkbox"/> Floating-LVD	<input type="checkbox"/> River
<input type="checkbox"/> Site	<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 type="checkbox"/> Tableland	<input type="checkbox"/> Lichen	<input type="checkbox"/> Swamp
<input type="checkbox"/> Surficial Dep.		<input type="checkbox"/> Roll Upland	<input type="checkbox"/> Bryophyte	<input type="checkbox"/> Fen
<input type="checkbox"/> Bedrock		<input type="checkbox"/> Cliff	<input type="checkbox"/> Deciduous	<input type="checkbox"/> Bog
<input type="checkbox"/> History		<input type="checkbox"/> Talus	<input type="checkbox"/> Coniferous	<input type="checkbox"/> Barren
<input type="checkbox"/> Natural		<input type="checkbox"/> Crevice/Cave	<input type="checkbox"/> Mixed	<input type="checkbox"/> Meadow
<input type="checkbox"/> Cultural		<input type="checkbox"/> Aulver		<input type="checkbox"/> Prairie
<input type="checkbox"/> 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"/> Tree		<input type="checkbox"/> Bluff		<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	Notes
1	1	4	ACC ERG >> ERAD ENU
2	2	3	ACE FRE > ULM MATE > STIL ALTE R
3	3	2	ULM MATE > ERARE NN = TLANER = PRUVI RG
4	4-7	2	CEPOCC > PRUVI RG = ONOSE NS = DRVCART

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

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

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

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

Ecocite: Maple Mineral Deciduous Systems
 Vegetation Type: Swamp Maple Mineral Deciduous
 Code: SWD3
 Inclusion: Code: SWD3-3
 Complex: Code:

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

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

Soils Ontario and ELC Soils Description

PIVAuger #	Site Metrics				Summary
	Zone	Eastng	Northng	Position	
					Moisture Regime
					Drainage
					Effective Texture (indicate below)

Soil Horizon Description

Horizon	Depth from zero	Texture	% CF
1	Depth from zero	Texture	% CF
2	Depth from zero	Texture	% CF
3	Depth from zero	Texture	% CF
4	Depth from zero	Texture	% CF

Moisture Regime: % Surface Stone/Rock
 Drainage

VASCULAR PLANT LIST

PROJECT / LOCATION: Feature 375
 SURVEYOR(S): B. Miller, R. Aitken DATE(S): DEC-12, 2011

POLYGON: 1.

VEGETATION TYPE: SOFT MAPLE SWAMP

NOTES: WHITE-BREA STED N.H., B.C.C., BLUE JAY, Hairy w.p.,

Plant Species	ABUNDANCE / LAYER				Plant Species	Understory (U)	Ground Layer (GL)	Plant Species	Understory (U)	Ground Layer (GL)	
	Canopy (C)	Sub-canopy (SC)	Understory (U)	Ground Layer (GL)							
TREES				HERBACEOUS FLORA				HERBACEOUS FLORA			
ACE FREE	D	A			ONOSENS		O				
FRA PENN	O		O		DRY CART		O				
ULM AMER		O	A		Carex sp.		R				
CAR CARO			O	R	LYC UNIF		R				
TSU CANA			R	R							
TIL AMER		O	O								
ABI BALS				R							
POP TREM			R	R							
SHRUBS AND WOODY VINES											
PRUNIGA			O	O							
CEPOCCI			R	A							
COR SERC			O	R							
RUBUS SP.				R							
TAXCANA				R							

Relative Abundance: D = Dominant; A = Abundant; O = Occasional; R = Rare
 Vegetation Height: C = > 20m; SC = 10 - 20m; U = 2 - 10m; GL = < 2m

ELC Site: 375 Polygon: 2.
 Contributor: R. A. Miller Date: 9:30 am
 Project Name: R. A. Miller DEC. 12, 2011
 GPS Coordinates: UTMZ: 17 UTMZ: 451059 UTMZ: 4804863
 Time start: 10:15 am
 Time finish: 4:30:48.63

Polygon Description

<input type="checkbox"/> Terrestrial	<input type="checkbox"/> Organic	<input type="checkbox"/> Topographic Feature	<input type="checkbox"/> Plant Form	<input type="checkbox"/> Community
<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 Mfn.	<input type="checkbox"/> Bottomland	<input type="checkbox"/> Floating-LVD.	<input type="checkbox"/> River
<input type="checkbox"/> Site	<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 type="checkbox"/> Tableland	<input type="checkbox"/> Lichen	<input type="checkbox"/> Bryophyte
<input type="checkbox"/> Surficial Dep.		<input type="checkbox"/> Roll Upland	<input type="checkbox"/> Ditch	<input type="checkbox"/> Deciduous
<input type="checkbox"/> Bedrock		<input type="checkbox"/> Cliff	<input type="checkbox"/> Talus	<input type="checkbox"/> Coniferous
<input type="checkbox"/> Bedrock		<input type="checkbox"/> Trench	<input type="checkbox"/> Crevasse/Cave	<input type="checkbox"/> Mixed
<input type="checkbox"/> Cultural		<input type="checkbox"/> Alvar	<input type="checkbox"/> Rockland	<input type="checkbox"/> Barren
<input type="checkbox"/> Cultural		<input type="checkbox"/> Beach / Bar	<input type="checkbox"/> Sand Dune	<input type="checkbox"/> Prairie
<input type="checkbox"/> Cover		<input type="checkbox"/> Bluff		<input type="checkbox"/> Savanna
<input type="checkbox"/> Open				<input type="checkbox"/> Woodland
<input type="checkbox"/> Shrub				<input type="checkbox"/> Forest
<input type="checkbox"/> Tree				<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	Species
1	4	4	ACE SASA > FRAA MEAR > TILALIER > BRUSE RO
2	3	3	ACE SASA > FRAA MEAR > TUCANNA > HAGGRAV
3	3	3	ACE SASA > PRIVING > CORALTE
4	4-7	2	ACE SASA > MIAHACE

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

Stand Composition:

Size Class Analysis:	<input type="checkbox"/> <10	<input type="checkbox"/> 10-24	<input type="checkbox"/> 25-50	<input type="checkbox"/> >50
Standing Strags:	<input type="checkbox"/> <10	<input type="checkbox"/> 10-24	<input type="checkbox"/> 25-50	<input type="checkbox"/> >50
Deadfall / Logs:	<input type="checkbox"/> <10	<input type="checkbox"/> 10-24	<input type="checkbox"/> 25-50	<input type="checkbox"/> >50

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

Comp. Ages: Pioneer Young Mid-Age Mature Old Growth

Ecozone: Fresh-Noist Sugar Maple Deciduous Forest Code: FOD 6
 Vegetation Type: Fresh-Noist Sugar Maple Deciduous Forest Code: FOD 6-1
 Inclusion: Code: Code:
 Complex: Code: Code:

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

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

Soils Ontario and ELC Soils Description

PH/Auger #	Site Metrics				Summary	
	Zone	Eastng	Northng	Position		
UTM	Slope				Moisture Regime	
	Aspect	Percent	Slope	Length		
	Mottles					Drainage
	Gley					
Water Table						
Carbonates						
Depth to... Bedrock	Soil Horizon Description				Effective Texture (Indicate below)	
	1	2	3	4		
	Depth from zero	Depth from zero	Depth from zero	Depth from zero		
	Texture	Texture	Texture	Texture		
Drainage						
Moisture Regime						
% Surface Stone/Rock						
% CF						

VASCULAR PLANT LIST

PROJECT / LOCATION: **FEATURE 375**

POLYGON: 2.

SURVEYOR(S): **B. Miller, R. Aitken**

DATE(S): **DEC. 12, 2011**

VEGETATION TYPE:

NOTES:

Plant Species	ABUNDANCE / LAYER				Plant Species	Understory (U)	Ground Layer (GL)	Plant Species	Understory (U)	Ground Layer (GL)	
	Canopy (C)	Sub-canopy (SC)	Understory (U)	Ground Layer (GL)							
TREES				HERBACEOUS FLORA				HERBACEOUS FLORA			
PRU SERO	R		R		PRU VULG		R				
ACE SASA	D	D	D	D	BOE CYLI		R				
FAG GRAN		R	O		ACT PACH		R				
FRA AMER	O		O		MAI RACE		O				
TSU CANA		O	R		CAREX SP.		R				
CAR CORD				R	ARC MINU		R				
BET ALLE		R	R								
PRUNUS cf. PENS		R									
TIL AMER	R										
SHRUBS AND WOODY VINES											
COR ALTE			A								
PRU VIRG			A	O							
SAM PUBE			R								
RHA CATH			R								
TAX CANA			R								

Relative Abundance: D = Dominant; A = Abundant; O = Occasional; R = Rare
 Vegetation Height: C = > 20m; SC = 10 - 20m; U = 2 - 10m; GL = < 2m

ELC Community Description and Classification

Site: 375 Polygon: 3.
 Surveyor(s): D. Miller Date: Dec. 12, 2011 Time start: 10:15
 A. Attko Finish: 10:45
 UTMZ: 17 UTMZ: 450976 UTMN: 4804721

System	Substrate	Topographic Feature	Plant Form	Community
<input type="checkbox"/> Terrestrial	<input checked="" type="checkbox"/> Organic	<input type="checkbox"/> Lacustrine	<input type="checkbox"/> Parasitic	<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 Mtn.	<input type="checkbox"/> Bottomland	<input type="checkbox"/> Floating-VD	<input type="checkbox"/> Stream
<input type="checkbox"/> Site	<input type="checkbox"/> Acidic Bedrk	<input type="checkbox"/> Terrace	<input type="checkbox"/> Granitoid	<input type="checkbox"/> Marsh
<input type="checkbox"/> Open Water	<input type="checkbox"/> Basic Bedrk	<input type="checkbox"/> Valley Slope	<input type="checkbox"/> Forb	<input type="checkbox"/> Swamp
<input type="checkbox"/> Shallow Water	<input type="checkbox"/> Carb. Bedrk	<input type="checkbox"/> Tableland	<input type="checkbox"/> Lichen	<input type="checkbox"/> Fen
<input type="checkbox"/> Surficial Dep.		<input type="checkbox"/> Roll, Upland	<input type="checkbox"/> Bryophyte	<input type="checkbox"/> Bog
<input type="checkbox"/> Bedrock		<input type="checkbox"/> Cliff	<input type="checkbox"/> Deciduous	<input type="checkbox"/> Coniferous
<input type="checkbox"/> History		<input type="checkbox"/> Talus	<input checked="" type="checkbox"/> Mixed	<input type="checkbox"/> Meadow
<input type="checkbox"/> Natural		<input type="checkbox"/> Crevice/Cave		<input type="checkbox"/> Prairie
<input type="checkbox"/> Cultural		<input type="checkbox"/> Alvar		<input type="checkbox"/> Thicket
<input type="checkbox"/> Over		<input type="checkbox"/> Rockland		<input type="checkbox"/> Savannah
<input type="checkbox"/> Open		<input type="checkbox"/> Beach/Bar		<input type="checkbox"/> Woodland
<input type="checkbox"/> Shrub		<input type="checkbox"/> Sand Dune		<input type="checkbox"/> Forest
<input type="checkbox"/> Tree		<input type="checkbox"/> Bluff		<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	Species
1	1	0	ERAPENNUS ULMABERUS BETALLE
2	2	4	ERAPENNUS ULMABERUS TLEVERT
3	3	2	ERAPENNUS ULMABERUS TLEVERT
4	4-7	1	CORSERO = DRYCART

HT Codes: 7 < 0.2m 8 > 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 - 60%

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

Stature	Code	Size Class Analysis
Stature		Standing Snags: O < 10 A 10-24 O 25-50 R > 50
Deadfall / Logs:		R < 10 R 10-24 R 25-50 R > 50

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

Ecocline: Ash Mineral Deciduous Swamp
 Vegetation Type: Green Ash Mineral Deciduous
 Inclusion: Swamp Type
 Code: SWD2
 Code: SWD2-2

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Species	Tally	Tally	Tally	Tally
Total				100
Basal Area (BA)				
Dead				

Soils Ontario and ELC Soils Description

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

VASCULAR PLANT LIST

PROJECT / LOCATION: **FEATURE 375**

POLYGON: 3.

SURVEYOR(S):

DATE(S): **DEC. 12, 2011**

VEGETATION TYPE:

NOTES:

Plant Species	ABUNDANCE / LAYER				Plant Species	Understory (U)	Ground Layer (GL)	Plant Species	Understory (U)	Ground Layer (GL)	
	Canopy (C)	Sub-canopy (SC)	Understory (U)	Ground Layer (GL)							
TREES				HERBACEOUS FLORA				HERBACEOUS FLORA			
FRA PENN	D	D	D		DRY CART		O				
ULM AMER		O	O		SYMPHYOTRICHUM SP.		R				
BET ALLE		O									
CAR CARO			R								
ACE FREE		R	R								
TSU CANA			R	R							
SHRUBS AND WOODY VINES											
ILEX VERT			O								
SAM CANA			R								
RUB OCCI			R								
COR SERI			O								

Relative Abundance: D = Dominant; A = Abundant; O = Occasional; R = Rare
 Vegetation Height: C = > 20m; SC = 10 - 20m; U = 2 - 10m; GL = < 2m

ELC WILDLIFE	SITE: 375
	POLYGON: 1, 2, and 3.
	DATE: Dec 12, 2011
	SURVEYORS: A. Aitken, B. Miller
	START TIME: 8:30 am END TIME: 9:31 am

TEMP (°C): -2°C	CLOUD (10h): 1	WIND: 1	PRECIPITATION: NONE
CONDITIONS:			

POTENTIAL WILDLIFE HABITAT:

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

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
B	White Breasted Nuthatch	OB		1					
B	Black Capped Chickadee	OB		4					
B	Blue Jay	OB		1					
B	Hairy W.P.	OB		1					
M	East. Cotton Tail	TK		-					
B	Downy W.P.	OB		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 EVIDENCE SC = SCAT
 SI = OTHER SIGNS (specify)

N. Apple / E. of 003 (Close to Zoning)

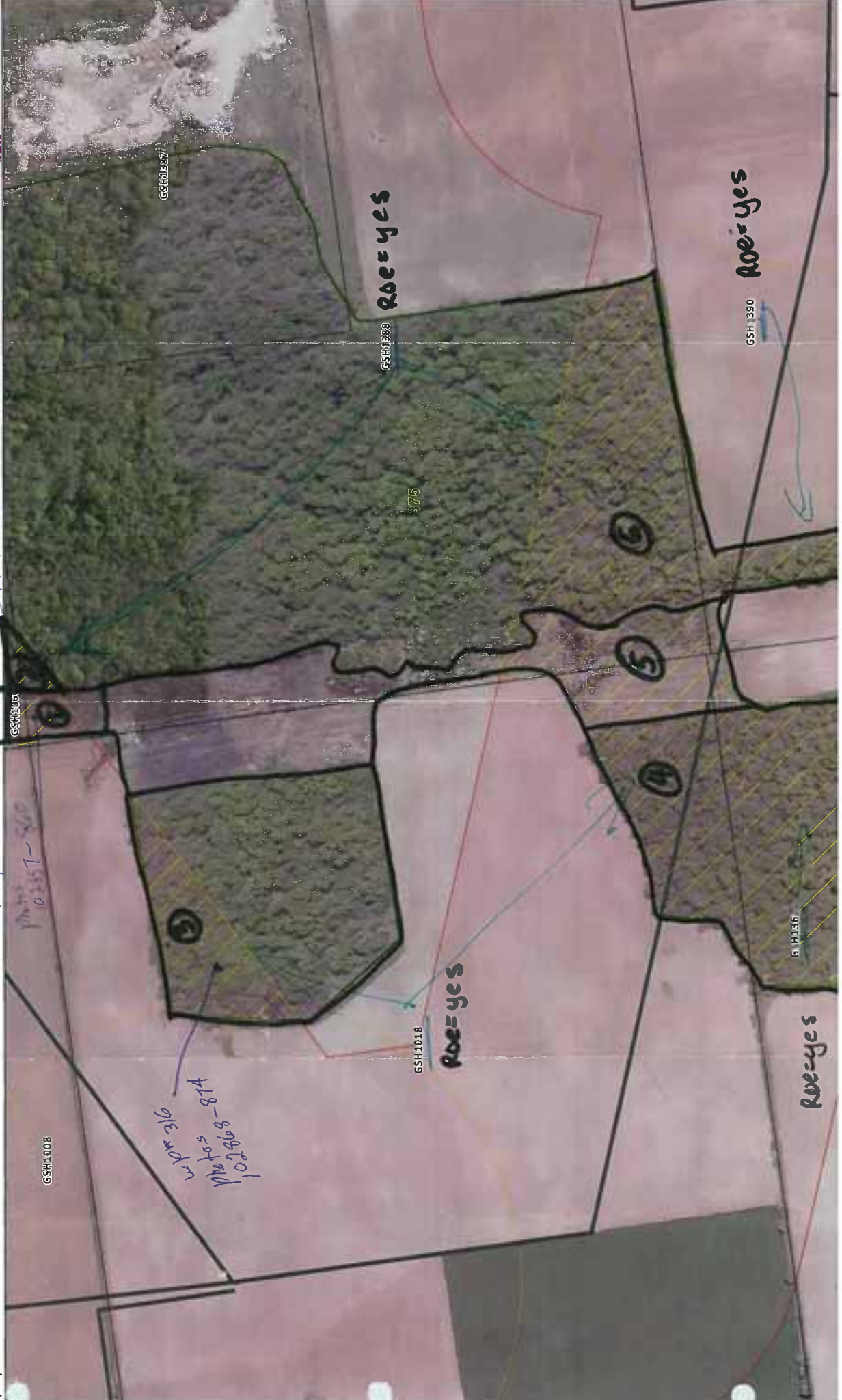
Goshen Feature: 375 GSH1018

(Properties that contain Features within 125m from Collection lines and 171.5m from Turbines) w.p.# 314

- Roads
- Access/Collection Line
- Collection Buffer (125m)
- Turbine Buffer (171.5m)
- Collection/Feature Intersect
- Turbine Buffer/Feature Intersect
- Property Fabric
- Bluewater/Wind Energy Centre

h

100 Meters
w.p.# 315
4805096
September 1, 2011



GSH1008

GSH1018

GSH1368

GSH1390

GSH1366

GSH1357

GSH1005

w.p.# 316
102468-814

w.p.# 314
03557-800

VASCULAR PLANT CHECKSHEET

Location: 375 GSH 10/18/1388
 Observer: SAM

Date: Oct. 5/11
 Job Number:

DICOT HERBS												MONOCOT HERBS										
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6					
<i>Achillea millefolium</i>						<i>Erigeron annuus</i>						<i>Plantago lanceolata</i>					<i>Alisma plantago-aquatica</i>	X				
<i>Actaea pacifipoda</i>						<i>Erigeron philadelphicus</i>						<i>Plantago major</i>					<i>Allium tricoccum</i>					
<i>Actaea rubra</i>						<i>Erigeron strigosus</i>						<i>Plantago rugelii</i>					<i>Allium</i>					
<i>Agalinus</i>						<i>Erysimum cheiranthoides</i>						<i>Podophyllum peltatum</i>					<i>Artemisia triphyllum</i>					
<i>Agrimonia gryposepala</i>						<i>Eupatorium maculatum</i>						<i>Polygonum</i>					<i>Asparagus officinalis</i>					
<i>Alliaria petiolata</i>						<i>Eupatorium perfoliatum</i>	X					<i>Polygonum</i>					<i>Calla palustris</i>					
<i>Amaranthus retroflexus</i>						<i>Eupatorium rugosum</i>						<i>Polygonum</i>					<i>Clintonia borealis</i>					
<i>Ambrosia artemisiifolia</i>						<i>Euphorbia</i>						<i>Polygonum lapathifolium</i>					<i>Conwallaria majus</i>					
<i>Amphicarpaea gracilis</i>						<i>Euthamia graminifolia</i>						<i>Polygonum persicaria</i>					<i>Cyrtopodium calceolus</i>					
<i>Anaphalis margaritacea</i>						<i>Fragaria virginiana</i>						<i>Potentilla</i>					<i>Elydon canadensis</i>					
<i>Anemone</i>						<i>Fragaria vesca</i>		X				<i>Potentilla norvegica</i>					<i>Epipactis helleborine</i>					
<i>Anemone canadensis</i>						<i>Galeopsis tetrahit</i>						<i>Potentilla recta</i>					<i>Erythronium americanum</i>					
<i>Anemone virginiana</i>						<i>Gallium</i>						<i>Prenanthes alba</i>					<i>Hemerocallis fulva</i>					
<i>Arisaema nigrum</i>						<i>Gallium</i>						<i>Prunella vulgaris</i>					<i>Iris versicolor</i>					
<i>Apocynum androsaemifolium</i>						<i>Gallium palustre</i>						<i>Pyrola elliptica</i>					<i>Lemna minor</i>					
<i>Apocynum cannabinum</i>						<i>Gallium triflorum</i>						<i>Ranunculus</i>					<i>Lemna trisulca</i>					
<i>Aquilegia canadensis</i>						<i>Geranium maculatum</i>						<i>Ranunculus abortivus</i>					<i>Lilium</i>					
<i>Aralia nudicaulis</i>						<i>Geranium robertianum</i>						<i>Ranunculus acris</i>					<i>Malanthemum canadense</i>					
<i>Arctium minus</i>						<i>Geum aleppicum</i>			X			<i>Rudbeckia hirta</i>					<i>Malanthemum racemosum</i>					
<i>Artemisia</i>						<i>Geum canadense</i>						<i>Rumex acetosella</i>					<i>Malanthemum stellatum</i>					
<i>Asarum canadense</i>						<i>Geum</i>						<i>Rumex crispus</i>					<i>Plantago</i>					
<i>Asclepias incarnata</i>						<i>Glechoma hederacea</i>						<i>Rumex</i>					<i>Pontederia cordata</i>					
<i>Asclepias syriaca</i>						<i>Hepatica scutifolia</i>						<i>Sanguinaria canadensis</i>					<i>Polygonatum pubescens</i>					
<i>Aster</i>						<i>Hesperis matronalis</i>						<i>Sanicula marilandica</i>					<i>Potamogeton crispus</i>					
<i>Aster cordifolius</i>						<i>Hieracium aurantiacum</i>						<i>Saponaria officinalis</i>					<i>Potamogeton pectinatus</i>					
<i>Aster ericoides</i>						<i>Hieracium maculatum</i>						<i>Satureja vulgaris</i>					<i>Potamogeton</i>					
<i>Aster lanceolatus</i>	X					<i>Hieracium</i>						<i>Scutellaria galericulata</i>					<i>Potamogeton</i>					
<i>Aster laevis</i>		X				<i>Hydrophyllum virginianum</i>			X			<i>Silene vulgaris</i>					<i>Potamogeton</i>					
<i>Aster macrophyllus</i>			X			<i>Hypochaeris perforatum</i>						<i>Sium suave</i>					<i>Sagittaria latifolia</i>					
<i>Aster novae-angliae</i>			X			<i>Impatiens capensis</i>						<i>Solanum dulcamara</i>					<i>Sisyrinchium montanum</i>					
<i>Aster puniceus</i>						<i>Inula helanum</i>						<i>Solidago</i>					<i>Smilax herbacea</i>					
<i>Barbarea vulgaris</i>						<i>Lactuca</i>						<i>Solidago altissima</i>		X			<i>Spiranthes cernua</i>					
<i>Bidens cernua</i>						<i>Laportea canadensis</i>						<i>Solidago caesia</i>					<i>Spirodela polytriza</i>					
<i>Bidens frondosa</i>						<i>Lappula communis</i>						<i>Solidago canadensis</i>					<i>Sisyrinchium</i>					
<i>Boehmeria cylindrica</i>			X			<i>Leonurus cardiaca</i>						<i>Solidago flexuosa</i>			X		<i>Trillium erectum</i>					
<i>Calla palustris</i>						<i>Lepidium</i>						<i>Solidago gigantea</i>					<i>Trillium grandiflorum</i>					
<i>Calystegia sepium</i>						<i>Linaria vulgaris</i>						<i>Solidago nemoralis</i>					<i>Uvularia grandiflora</i>					
<i>Cardamine diphylla</i>						<i>Lithospermum officinale</i>						<i>Solidago rugosa</i>					<i>Uvularia perfoliata</i>	X				
<i>Cardamine</i>						<i>Lobelia</i>						<i>Sonchus oleraceus</i>										
<i>Caulophyllum thalictroides</i>						<i>Lobelia tritata</i>						<i>Sonchus asper</i>										
<i>Cerastium fontanum</i>						<i>Lotus corniculatus</i>						<i>Stellaria</i>										
<i>Ceratophyllum demersum</i>						<i>Lycopus americanus</i>						<i>Tanacetum vulgare</i>										
<i>Chelidonium majus</i>						<i>Lycopus</i>						<i>Tanacetum officinale</i>										
<i>Chenopodium album</i>						<i>Lysimachia ciliata</i>						<i>Thalictrum pubescens</i>										
<i>Chrysanth. leucanthemum</i>						<i>Lytium salicaria</i>						<i>Thalictrum diolum</i>										
<i>Cichorium intybus</i>						<i>Medicago lupulina</i>						<i>Thalictrum pubescens</i>										
<i>Cicuta</i>						<i>Medicago sativum</i>						<i>Thalictrum cordifolia</i>										
<i>Cirsium leucanthemum</i>						<i>Melilotus alba</i>						<i>Thlaspi boreale</i>										
<i>Cirsium arvense</i>						<i>Mertensia arvensis</i>						<i>Trifolium</i>										
<i>Cirsium vulgare</i>						<i>Mimulus ringens</i>						<i>Trifolium pratense</i>										
<i>Clematis virginiana</i>						<i>Mimulus ringens</i>						<i>Trifolium repens</i>										
<i>Clintonia borealis</i>						<i>Mitella diphylla</i>						<i>Tussilago farfara</i>										
<i>Coryza canadensis</i>						<i>Moronea fistulosa</i>						<i>Urtica dioica</i>										
<i>Coronilla varia</i>						<i>Mycoselin</i>						<i>Urtica dioica</i>										
<i>Cyananthus tomentosus</i>						<i>Nasturtium officinale</i>						<i>Urtica dioica</i>										
<i>Cynoglossum officinale</i>						<i>Nepeta cataria</i>						<i>Verbascum thapsus</i>										
<i>Daucus carota</i>						<i>Nigella arvensis</i>						<i>Verbena hastata</i>										
<i>Desmodium canadense</i>						<i>Nymphaea odorata</i>						<i>Veronica</i>										
<i>Dianthus armeria</i>						<i>Oenothera biennis</i>						<i>Veronica officinalis</i>										
<i>Dipsacus fullorum</i>						<i>Oenothera</i>						<i>Viola canadica</i>										
<i>Echinopsella lobata</i>						<i>Oenothera</i>						<i>Viola lasperma</i>										
<i>Echium vulgare</i>						<i>Phytolacca spicata</i>						<i>Viola sp.</i>			X							
<i>Epilobium</i>						<i>Phytolacca heterophylla</i>						<i>Viola</i>										
<i>Epilobium ciliatum</i>												<i>Viola pubescens</i>										
<i>Epilobium hirsutum</i>						<i>Ranunculus sedooides</i>			X			<i>Viola sororia</i>										
<i>Epilobium parviflorum</i>																						

- 1: Polygon #1
- 2: poly #2
- 3: poly #3
- 4: ~~poly #4~~
- 5: ~~poly #5~~
- 6: ~~poly #6~~

SITE LOCATIONS

wp0314

ELC community description and Classification

Site: 375-65H/1388/018 Polygon: 1

Survey start: 16 Oct 2011 Time start: 16:02h

Survey finish: 16:48h

UTMZ: 17T UTMZ: 450857 UTMN: 4805069

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
<input type="checkbox"/> Terrestrial <input checked="" type="checkbox"/> Wetland <input type="checkbox"/> Aquatic <input type="checkbox"/> Open Water <input type="checkbox"/> Shallow Water <input checked="" type="checkbox"/> Artificial 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 checked="" type="checkbox"/> Tableland <input type="checkbox"/> Roll. Upland <input type="checkbox"/> Cliff <input type="checkbox"/> Talus <input type="checkbox"/> Crevice/Cave <input type="checkbox"/> Aivalr <input type="checkbox"/> Rockland <input type="checkbox"/> Beach / Bar <input type="checkbox"/> Sand Dune <input type="checkbox"/> Bluff	<input type="checkbox"/> Plankton <input type="checkbox"/> Submerged <input type="checkbox"/> Floating-LVD. <input checked="" type="checkbox"/> Graminoid <input type="checkbox"/> Forb <input type="checkbox"/> Lichen <input type="checkbox"/> Bryophyte <input type="checkbox"/> Deciduous <input type="checkbox"/> Coniferous <input type="checkbox"/> Mixed	<input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> River <input type="checkbox"/> Stream <input checked="" type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Fen <input type="checkbox"/> Bog <input type="checkbox"/> Barren <input type="checkbox"/> Meadow <input type="checkbox"/> Prairie <input type="checkbox"/> Thicket <input type="checkbox"/> Savannah <input type="checkbox"/> Woodland <input type="checkbox"/> Forest <input type="checkbox"/> Plantation

Stand Description

Layer	HT	CVR	Species in Order of Decreasing Dominance (up to 4 sp) (> > Much Greater Than; > Greater Than; = About Equal To)
1	3-4	2	Type 1 H1014 > Phalaris > Phragmites > Phragmites
2	4	4	Wood Grass > Blk Bulrush > Pinnacled Aster
3	5-4	3	Water Plantain > Juncus effusus > N.E. Aster
4	6	2	Fox Sedge = Bebb's Sedge > Andropogon scoparius > Hops

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

Stand Composition: N/A

Size Class Analysis:	< 10	10-24	25-50	> 50
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

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

Ecosite: Mineral Meadow Marsh Site Code: MAM2

Vegetation Type: Forb Mineral Meadowmarsh Type Code: MAM2-10

Inclusion: / Code: /

Complex: / Code: /

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

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

Soils Ontario and ELC Soils Description

Site Metrics	PI/Auger #	Soils Description	Summary
Zone	17T		
Easting	450857		Moisture Regime
Northing	4805069		
Position	6		
Aspect	N		
Percent	-		Drainage
Slope	-		
Length	-		
Mottles	21		
Gley	53		
Water Table	> 120		Effective Texture (Indicate below)
Carbonates	> 120		
Bedrock	7/20		
1 Depth from zero	+7	% CF	% CF
Texture	Om		
2 Depth from zero	Ø	% CF	% CF
Texture	vfSCL		
3 Depth from zero	17	% CF	% CF
Texture	vfSC		
4 Depth from zero	43	% CF	% CF
Texture	C		
% Surface Stone/Rock			
Moisture Regime	Very Moist (6)		6
Drainage	Imperfect (5)		5

wp# 315

ELC Community Description and Classification

Site: 375-GSH 018/1988 Polygon: 2

Surveyor(s): SAM Date: Oct 5/11 Time start: 16:20h finish: 16:32h

UTMZ: 7T UTMZ: 450901 UTMN: 4805096

Polygon Description

<input checked="" type="checkbox"/> Terrestrial	<input type="checkbox"/> Organic	<input type="checkbox"/> Plankton	<input type="checkbox"/> Lake
<input type="checkbox"/> Wetland	<input checked="" type="checkbox"/> Mineral Soil	<input type="checkbox"/> Submerged	<input type="checkbox"/> Pond
<input type="checkbox"/> Aquatic	<input type="checkbox"/> Parent Min.	<input type="checkbox"/> Floating-LVD.	<input type="checkbox"/> River
	<input type="checkbox"/> Acidic Bedrk	<input type="checkbox"/> Graminoid	<input type="checkbox"/> Stream
<input type="checkbox"/> Open Water	<input type="checkbox"/> Basic Bedrk	<input type="checkbox"/> Forb	<input type="checkbox"/> Marsh
<input type="checkbox"/> Shallow Water	<input type="checkbox"/> Carb. Bedrk	<input type="checkbox"/> Lichen	<input type="checkbox"/> Swamp
<input checked="" type="checkbox"/> Surficial Dep.	<input type="checkbox"/> Bedrock	<input checked="" type="checkbox"/> Bryophyte	<input type="checkbox"/> Fen
		<input type="checkbox"/> Deciduous	<input type="checkbox"/> Bog
History		<input type="checkbox"/> Coniferous	<input type="checkbox"/> Barren
<input checked="" type="checkbox"/> Natural		<input type="checkbox"/> Mixed	<input type="checkbox"/> Meadow
<input type="checkbox"/> Cultural			<input type="checkbox"/> Prairie
Cover			<input type="checkbox"/> Thicket
<input type="checkbox"/> Open			<input type="checkbox"/> Savannah
<input type="checkbox"/> Shrub			<input type="checkbox"/> Woodland
<input checked="" type="checkbox"/> Treed			<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	HH > Bn > Aw > LP
2	3	3	PT > Blue Beech > Sourchomy > Silky birchwood
3	6	2	Collico Astor > Rb. amel. > Fly in the Supple
4	7	2-3	Poison Ivy > Luvu part. > Wood Strawb

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: A < 10 A 10-24 A 25-50 O > 50

Standing Snags: R < 10 R 10-24 R 25-50 N > 50

Deadfall / Logs: O < 10 O 10-24 R 25-50 R > 50

BA: 32

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

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

Ecosite: Fresh-Noist Sugar Maple Deciduous Forest Code: FOP6

Vegetation Type: Fresh-Noist Sugar Maple-Hardwood Code: FOP6-5

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	Rel. Avp.
MH	7				7	4
Bn	4				4	2.5
Aw	3				3	1.9
LP	2				2	1.2
Total	16				16	100
Basal Area (BA)	32				32	32
Dead	1				1	1

Soils Ontario and ELC Soils Description

PIV/Auger #		Soil Horizon Description				Summary
Zone						Moisture Regime
Easting						
Northing						
Position						Drainage
Aspect		N/A				
Percent						Effective Texture (indicate below)
Slope						
Length						% CF
Mottles						
Gley						% CF
Water Table						
Carbonates						% CF
Bedrock						
Depth from zero		% CF		% CF		% CF
Texture						
Depth from zero		% CF		% CF		% CF
Texture						
Depth from zero		% CF		% CF		% CF
Texture						
Depth from zero		% CF		% CF		% CF
Texture						
% Surface Stone/Rock						% CF
Moisture Regime						
Drainage						

WP 3/16

Site: 375-65H 018 Polygon: 3
 Surveyor(s): SAM Date: Oct-5/11 Time start: 1700h finish: 1730h
 UTMZ: 17T UTMZ: 450748 UTMN: 4804981

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"/> Site <input type="checkbox"/> Open Water <input type="checkbox"/> Shallow Water <input checked="" type="checkbox"/> Surficial Dep. <input type="checkbox"/> Bedrock <input type="checkbox"/> History <input checked="" type="checkbox"/> Natural <input type="checkbox"/> Cultural <input type="checkbox"/> 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 checked="" type="checkbox"/> Tableland <input type="checkbox"/> Roll. Upland <input type="checkbox"/> Cliff <input type="checkbox"/> Talus <input type="checkbox"/> Crevice/Cave <input type="checkbox"/> Aivar <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)
1	2	4	MH >> BP > Be
2	3	3	MH > Blue Beech > lo > Aw
3	5	3	Callie Aster > Z 19 Zygobalanoid > Fowl Nuth & Fern
4	7-6	2	Pison Ivy >> Yellow Ashes > F. Be Nettie X mistle 95 Fern

HT Codes: 7 < 0.2m 8 > 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 - 60% 4 > 60%

Stand Composition: Size Class Analysis: A < 10 0 10-24 A 25-50 R > 50
 Standing Snags: 0 < 10 0 10-24 0 25-50 R > 50
 Deadfall / Logs: 0 < 10 0 10-24 0 25-50 R > 50
 BA: 30

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

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

Ecosite: Fresh-Haist Sugar Maple Deciduous Forest Code: F016
 Vegetation Type: Fresh-Haist Sugar Maple-Hardwood Code: F016-5
 Incision: Deciduous Forest Code: /
 Complex: /

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	% Av.
Be	32	9	1	3	30	10
MH	3	12	1	4	60	30
BP	3	1	1	1	2	2
Sw	1	1	1	1	3	3
HBN	1	1	1	1	3	3
Total	16	14	30	100		
Basal Area (BA)	32	28	60	30		
Dead	2	1	2	2		

Soils Ontario and ELC Soils Description

Site Metrics	Soils Ontario and ELC Soils Description				Summary
	Pit/Auger #	Zone	Easting	Northing	
Moisture Regime					
Drainage					
Effective Texture (Indicate below)					
Depth to ...					
Mottles					
Gley					
Water Table					
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					
Moisture Regime					
Drainage					

ELC Community Description and Classification

Site: 375 GSH Polygon: 4 Date: 8/5/11 Time start: 1735h finish:
 Surveyor(s): SAM UTMZ: 111 UTMZ: UTMN:

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
Site	<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 type="checkbox"/> Tableland	<input type="checkbox"/> Lichen	<input type="checkbox"/> Swamp
<input type="checkbox"/> Surficial Dep.		<input type="checkbox"/> Roll. Upland	<input type="checkbox"/> Bryophyte	<input type="checkbox"/> Fen
<input type="checkbox"/> Bedrock		<input type="checkbox"/> Cliff	<input type="checkbox"/> Deciduous	<input type="checkbox"/> Bog
History		<input type="checkbox"/> Talus	<input type="checkbox"/> Coniferous	<input type="checkbox"/> Barren
<input type="checkbox"/> Natural		<input type="checkbox"/> Crevice/Cave	<input type="checkbox"/> Mixed	<input type="checkbox"/> Meadow
<input type="checkbox"/> Cultural		<input type="checkbox"/> Aivar		<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"/> Treed		<input type="checkbox"/> Bluff		<input type="checkbox"/> Forest
				<input type="checkbox"/> Plantation

Stand Description

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

HT Codes: 7 <0.2m 6 >0.2-0.5m 5 >0.5-1m 4 >1-2m 3 >2-5m 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	>50
Deadfall / Logs:		<10	10-24	>50

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

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

Ecosite:	Code:
Vegetation Type:	Code:
Inclusion:	Code:
Complex:	Code:

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

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

Soils Ontario and ELC Soils Description

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

ELC

Plant Species List

SITE: 375-GSH 1018

POLYGON: (3)

DATE: Oct 5/11

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				COLL.
	1	2	3	4	
MA	D	A			
Bd	O				
sens Pfn					
Ip		O			
Be	O				
Calico					
Fowl N...					
Aw	R				
CB	R				
Blue Beech		A			
P1					
HS					
Ving waterleaf					
Gu					
C. arct.					
Viola sp.					
Zigzag					
False Nettle					
Xmas Fern					
HBN					
Grape					
Yell. Avens					
Xmas Fern					

SPECIES CODE	LAYER				COLL.
	1	2	3	4	

Spring Report
Down

ELC WILDLIFE	SITE: 375_GSH 1018	
	POLYGON: ③	
	DATE: Oct. 5/11	
	SURVEYORS: SAM	
	START TIME: 1635h	END TIME: 1655h

TEMP (°C): 17	CLOUD (10th): 2	WIND: 1	PRECIPITATION: nil
CONDITIONS:			

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	#
H	Spring Peeper	VO		2					
B	Dowd	VO		1					

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)

379-6SH1430

Goshen Feature: 379 GSH1430

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

h

September 1, 2011



- Road
- Access/Collection Line
- Collection Buffer (125m)
- Turbine Buffer (171.5m)
- Collection/Feature Intersect
- Turbine Buffer/Feature Intersect
- Property Fabric
- Massacre Wood Energy Corridor



ELC WILDLIFE	SITE: 379 ESH 1430	
	POLYGON:	
	DATE: Sept 27	
	SURVEYORS: JK	
	START TIME: 17:50	END TIME: 18:20

TEMP (°C): 18	CLOUD (10th): 5	WIND: 0	PRECIPITATION: 0
CONDITIONS:			

POTENTIAL WILDLIFE HABITAT:

VERNAL POOLS	SNAGS
HIBERNACULA	FALLEN LOGS

SPECIES LIST:

TY	SP. CODE	EV	NOTES	#	TY	SP. CODE	EV	NOTES	#
B	BLJA	VO							
	AMCR								
	NOFL	VO							
H	Spring Peepers	VO							
M	W.T. 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)

ELC

Site: 379_GSH1430 Polygon: A

Community Description and Classification: *SK* Surveyor(s): Date: *Sept 27/11* Time start: *17:50*

UTMZ: *17T* UTMZ: *45197D* UTMN: *480479D*

Polygon Description

System	Substrata	Topographic Features	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"/> Shallow Water <input type="checkbox"/> Surficial Dep. <input type="checkbox"/> Bedrock	<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"/> Upland <input type="checkbox"/> Cliff <input type="checkbox"/> Talus <input type="checkbox"/> Crevice/Cave <input type="checkbox"/> Aviar <input type="checkbox"/> Rockland <input type="checkbox"/> Beach/ Bar <input type="checkbox"/> Sand Dune <input type="checkbox"/> Bluff	<input type="checkbox"/> Parasiton <input type="checkbox"/> Submerged <input type="checkbox"/> Floating-L.V.D. <input type="checkbox"/> Groundrod <input type="checkbox"/> Forb <input type="checkbox"/> Lichen <input type="checkbox"/> Bryophyte <input type="checkbox"/> Deciduous <input type="checkbox"/> Coniferous <input type="checkbox"/> Mixed	<input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> River <input type="checkbox"/> Stream <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Fen <input type="checkbox"/> Bog <input type="checkbox"/> Barren <input type="checkbox"/> Meadow <input type="checkbox"/> Prairie <input type="checkbox"/> Thicket <input type="checkbox"/> Savanna <input type="checkbox"/> Woodland <input type="checkbox"/> Forest <input checked="" type="checkbox"/> Pitrantion

Stand Description

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

Layer	HT	CVR	Species
1	4		Pinstro - Purst
2	3		Pinstro - Purst
3	3		Fragraver - Fragraver
4	3		Soldier - Fragraver - Georode - Rhurodi

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

Stand Composition: **Size Class Analysis:**

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

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

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

Ecotype: *Wutz + Red Pine Plantation with decid vegon.*

Vegetation Type: *Wutz + Red Pine Plantation with decid vegon.*

Inclusion: *Wutz + Red Pine Plantation with decid vegon.*

Complex: *CUP3-1/2*

Community Profile Diagram/Comments



Tree Tally by Species

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

Soils Ontario and ELC Soils Description

Soil Horizon Description	Depth to...	Site Metrics				Drainage	Effective Texture (Indicate below)
		UTM	Slope	Moisture Regime	Summary		
1	Depth from zero	% CF	% CF	% CF	% CF	% CF	
2	Depth from zero	% CF	% CF	% CF	% CF	% CF	
3	Depth from zero	% CF	% CF	% CF	% CF	% CF	
4	Depth from zero	% CF	% CF	% CF	% CF	% CF	

VASCULAR PLANT CHECKSHEET

Location: 379 BSH 1430
Observer: Kamusta

Date: Sept 27 2011
Job Number:

DICOT HERBS												MONOCOT HERBS					
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Achillea millefolium</i>						<i>Erigeron annuus</i>						<i>Plantago lanceolata</i>					
<i>Achillea ptarmica</i>						<i>Erigeron philadelphicus</i>	<input checked="" type="checkbox"/>					<i>Plantago major</i>					
<i>Achillea ptarmica</i>						<i>Erigeron strigosus</i>						<i>Plantago rugelii</i>					
<i>Agastache</i>						<i>Erythronium chieranthoides</i>						<i>Podophyllum peltatum</i>					
<i>Agrostis gryposepala</i>	<input checked="" type="checkbox"/>					<i>Eupatorium maculatum</i>						<i>Polygonum</i>					
<i>Alliaria petiolata</i>	<input checked="" type="checkbox"/>					<i>Eupatorium perfoliatum</i>						<i>Polygonum</i>					
<i>Amaranthus retrofractus</i>						<i>Eupatorium rugosum</i>						<i>Polygonum</i>					
<i>Ambrosia artemisiifolia</i>						<i>Euphorbia</i>						<i>Polygonum lapathifolium</i>					
<i>Anaphalis lyallii</i>						<i>Euthamia graminifolia</i>						<i>Polygonum persicaria</i>					
<i>Anaphalis margaritacea</i>						<i>Fragaria virginiana</i>		<input checked="" type="checkbox"/>				<i>Potentilla</i>					
<i>Anemone</i>						<i>Fragaria vesca</i>						<i>Potentilla norvegica</i>					
<i>Anemone canadensis</i>						<i>Galium aparine</i>						<i>Potentilla nuda</i>					
<i>Anemone virginiana</i>						<i>Galium</i>						<i>Pranthesidis</i>					
<i>Antennaria neglecta</i>						<i>Galium palustre</i>						<i>Pyrola vulgaris</i>					
<i>Apocynum androsaemifolium</i>						<i>Galium triflorum</i>						<i>Ranunculus</i>					
<i>Apocynum cannabinum</i>	<input checked="" type="checkbox"/>					<i>Geranium maculatum</i>						<i>Ranunculus abortivus</i>					
<i>Aquilegia canadensis</i>						<i>Geranium robertianum</i>	<input checked="" type="checkbox"/>					<i>Ranunculus acris</i>			<input checked="" type="checkbox"/>		
<i>Arnica montana</i>						<i>Geum aleppicum</i>						<i>Ranunculus hirsutus</i>					
<i>Arnica montana</i>						<i>Geum canadense</i>						<i>Ranunculus abortivus</i>					
<i>Asarum canadense</i>						<i>Geum</i>	<input checked="" type="checkbox"/>					<i>Rumex crispus</i>					
<i>Asclepias incarnata</i>						<i>Glaucium hederacifolium</i>						<i>Rumex</i>					
<i>Asclepias syriaca</i>						<i>Hepatica acutiloba</i>						<i>Sanguinaria canadensis</i>					
<i>Aster</i>						<i>Hesperis matronalis</i>		<input checked="" type="checkbox"/>				<i>Sanicula marilandica</i>					
<i>Aster cordifolius</i>						<i>Hieracium aurantiacum</i>						<i>Sanicula officinalis</i>					
<i>Aster ericoides</i>						<i>Hieracium cespitosum</i>						<i>Saponaria officinalis</i>					
<i>Aster lanceolatus</i>		<input checked="" type="checkbox"/>				<i>Hieracium</i>						<i>Satureja vulgaris</i>					
<i>Aster latifolius</i>		<input checked="" type="checkbox"/>				<i>Hydrophyllum virginianum</i>						<i>Scutellaria palmeriifolia</i>					
<i>Aster macrophyllus</i>						<i>Hypericum perforatum</i>						<i>Silene vulgaris</i>					
<i>Aster novae-angliae</i>		<input checked="" type="checkbox"/>				<i>Impatiens capensis</i>						<i>Slum suave</i>					
<i>Aster purpureus</i>						<i>Inula helianthemum</i>						<i>Solanum elaeagnifolium</i>			<input checked="" type="checkbox"/>		
<i>Barbarea vulgaris</i>						<i>Lactuca</i>						<i>Solidago</i>					
<i>Bidens cernua</i>						<i>Lappula canadensis</i>						<i>Solidago altissima</i>					
<i>Bidens frondosa</i>						<i>Lapsana communis</i>						<i>Solidago canadensis</i>			<input checked="" type="checkbox"/>		
<i>Boninaria cylindrica</i>						<i>Leonurus cardiaca</i>						<i>Solidago canadensis</i>			<input checked="" type="checkbox"/>		
<i>Calla palustris</i>						<i>Leptocarpum</i>						<i>Solidago canadensis</i>			<input checked="" type="checkbox"/>		
<i>Callitriche septentrionalis</i>						<i>Linaria vulgaris</i>						<i>Solidago canadensis</i>			<input checked="" type="checkbox"/>		
<i>Campanula medium</i>						<i>Lithospermum officinale</i>						<i>Solidago rugosa</i>					
<i>Campanula medium</i>						<i>Libella</i>						<i>Sonchus asper</i>					
<i>Caulophyllum thalictroides</i>						<i>Libella</i>						<i>Sonchus oleraceus</i>					
<i>Cerastium fontanum</i>						<i>Lotus corniculatus</i>						<i>Dicentra</i>					
<i>Cerastium diemertianum</i>						<i>Lycopus americanus</i>						<i>Taraxacum vulgare</i>					
<i>Chaetochloa virginica</i>						<i>Lycopus</i>						<i>Taraxacum officinale</i>			<input checked="" type="checkbox"/>		
<i>Chenopodium album</i>						<i>Lysimachia clethroides</i>						<i>Thalictrum dielsianum</i>					
<i>Chrysanthemum leucanthemum</i>						<i>Lythrum salicaria</i>						<i>Thalictrum pubescens</i>					
<i>Cichorium intybus</i>						<i>Medicago lupulina</i>						<i>Thalictrum cordifolium</i>					
<i>Cnicus</i>						<i>Medicago sativa</i>						<i>Thlaspi arvense</i>					
<i>Cnicus lactiflorus</i>	<input checked="" type="checkbox"/>					<i>Medicago sativa</i>						<i>Triplopogon pratensis</i>					
<i>Cnicus arvensis</i>						<i>Mentha arvensis</i>						<i>Trifolium boreale</i>					
<i>Cnicus vulgaris</i>						<i>Mentha arvensis</i>						<i>Trifolium</i>					
<i>Cnicus virginiana</i>						<i>Mentha arvensis</i>						<i>Trifolium pratense</i>					
<i>Cnicus borealis</i>						<i>Mentha arvensis</i>						<i>Trifolium repens</i>					
<i>Cnicus canadensis</i>						<i>Mentha arvensis</i>						<i>Trifolium pratense</i>					
<i>Conium maculatum</i>						<i>Mentha arvensis</i>						<i>Trifolium repens</i>					
<i>Cyananthus americanus</i>						<i>Mentha arvensis</i>						<i>Trifolium repens</i>					
<i>Cyananthus americanus</i>						<i>Mentha arvensis</i>						<i>Urtica dioica</i>			<input checked="" type="checkbox"/>		
<i>Cyananthus americanus</i>						<i>Mentha arvensis</i>						<i>Urtica dioica</i>					
<i>Cyananthus americanus</i>						<i>Mentha arvensis</i>						<i>Urtica dioica</i>					

SITE LOCATIONS

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

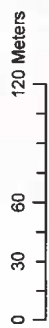
Goshen Feature: 379 GSH1430

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

- ELC Survey Completed
- Turbine Buffer/Feature Intersect
- Property Fabric
- Goshen Wind Energy Centre
- Roads
- Access/Collection Line
- Survey to be Completed
- Turbine Buffer (171.5m)



October 28, 2011



ELC Community Description and Classification
 Site: 739 GSH 1430 Polygon: B
 Surveyor(s): JK Date: Nov 8/11 Time start: 13:45 finish:
 UTMZ: UTMZ: 452030 UTMN: 4804680

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	<input type="checkbox"/> Plankton <input type="checkbox"/> Submerged <input type="checkbox"/> Floating-LVD. <input checked="" type="checkbox"/> Graminoid <input type="checkbox"/> Forb <input type="checkbox"/> Lichen <input type="checkbox"/> Bryophyte <input type="checkbox"/> Deciduous <input type="checkbox"/> Coniferous <input type="checkbox"/> Mixed	<input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> River <input type="checkbox"/> Stream <input checked="" type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Fen <input type="checkbox"/> Bog <input type="checkbox"/> Barren <input type="checkbox"/> Meadow <input type="checkbox"/> Prairie <input type="checkbox"/> Thicket <input type="checkbox"/> Savannah <input type="checkbox"/> Woodland <input type="checkbox"/> Forest <input type="checkbox"/> Plantation
<input type="checkbox"/> Open Water <input type="checkbox"/> Shallow Water <input type="checkbox"/> Surficial Dep. <input type="checkbox"/> Bedrock				
History <input type="checkbox"/> Natural <input type="checkbox"/> Cultural				
Cover <input type="checkbox"/> Open <input type="checkbox"/> Shrub <input type="checkbox"/> Treed				

Stand Description

Layer	HT	CVR	Species in Order of Decreasing Dominance (up to 4 sp)
1	2/3	2	>> Much Greater Than; > Greater Than; = About Equal To
2	4	2	Salamya Ace-negy
3	5	4	Cois fal
4			Phararum >> Ast lauc - All peti

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

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

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

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

Ecosite:	Code:	MAM 2-2
Vegetation Type:	Code:	MAM 2-2
Inclusion:	Code:	
Complex:	Code:	

Community Profile Diagram/Comments
 also intermittent change feature
 muller grove near 1800

Notes:

Tree Tally by Species

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

Pran Factor: 2

Soils Ontario and ELC Soils Description

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

ELC Ecological Community Description and Classification

Site: _____ **Polygon:** _____ **Pump Factor:** **2**

Surveyor(s): _____ **Date:** _____ **Time start:** _____ **finish:** _____

UTMZ: _____ **UTMZ:** _____ **UTMN:** _____

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
<input type="checkbox"/> Terrestrial <input type="checkbox"/> Wetland <input type="checkbox"/> Aquatic Site <input type="checkbox"/> Open Water <input type="checkbox"/> Shallow Water <input type="checkbox"/> Surficial Dep. <input type="checkbox"/> Bedrock History <input type="checkbox"/> Natural <input type="checkbox"/> Cultural Cover <input type="checkbox"/> Open <input type="checkbox"/> Shrub <input type="checkbox"/> Treed	<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"/> Crvice/Cave <input type="checkbox"/> Alover <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"/> 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	<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	CVR	Species in Order of Decreasing Dominance (up to 4 sp) (>> Much Greater Than; > Greater Than; = About Equal To)			
1						
2						
3						
4						

HT Codes: 7 <0.2m 8 >0.2-0.5m 5 >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: **Size Class Analysis:** <10 10-24 25-50 >50
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:	Code:
Vegetation Type:	Code:
Inclusion:	Code:
Complex:	Code:

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Species	Tally	Tally 2	Tally 3	Tally 4	Tally 5	Total	% of Total
Total							
Basal Area (BA)							
Dead							

Soils Ontario and ELC Soils Description

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

