

ELC WILDLIFE	SITE: <u>BLW 506</u>		
	POLYGON: <u>①</u>		
	DATE: <u>Aug 13/11</u>		
	SURVEYORS: <u>SM</u>		
	START TIME: <u>1503h</u>	END TIME: <u>1548h</u>	
TEMP (°C): <u>26</u>	CLOUD (10th): <u>3</u>	WIND: <u>2</u>	PRECIPITATION: <u>nil</u>
CONDITIONS: <u>clear, sunny</u>			

POTENTIAL WILDLIFE HABITAT:

<input type="checkbox"/>	VERNAL POOLS	<input 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	RwBB	SM		5					
B	EAKI	SM		2					
B	TRES	SM		3					
B	DOwo	SM		1					
B	GRCA	SM		2					

FAUNAL TYPE CODES (TY):

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

EVIDENCE CODES (EV):

BREEDING BIRD - POSSIBLE:

SH = SUITABLE HABITAT

SM = SINGING MALE

BREEDING BIRD - PROBABLE:

T = TERRITORY

D = DISPLAY

P = PAIR

A = ANXIETY BEHAVIOUR

N = NEST BUILDING

V = VISITING NEST

BREEDING BIRD - CONFIRMED:

DD = DISTRACTION

NU = USED NEST

FY = FLEDGED YOUNG

NE = EGGS

NY = YOUNG

FS = FOOD/FECAL SACK

AE = NEST ENTRY

OTHER WILDLIFE EVIDENCE:

OB = OBSERVED

VO = VOCALIZATION

CA = CARCASS

DP = DISTINCTIVE PARTS

HO = HOUSE/DEN

FY = EGGS/YOUNG

TK = TRACKS

FE = FEEDING EVIDENCE

SC = SCAT

SI = OTHER SIGNS (specify)

ELC
Community Description and Classification

Site: BLW 506 Polygon: 3
 Surveyor(s): SAH Date: Aug 18/11 Time start: 1431h
 UTMZ: 177 UTMZ: 1500h

Polygon Description

System	Substrate	Topographic Feature	Plant Form	Community
<input checked="" type="checkbox"/> Terrestrial <input type="checkbox"/> Wetland <input type="checkbox"/> Aquatic <input type="checkbox"/> Open Water <input type="checkbox"/> Shallow Water <input type="checkbox"/> Surficial Dep. <input type="checkbox"/> Bedrock <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 checked="" type="checkbox"/> Valley Slope <input type="checkbox"/> Tableland <input type="checkbox"/> Roll. Upland <input type="checkbox"/> Cliff <input type="checkbox"/> Talus <input type="checkbox"/> Crevice/Cave <input type="checkbox"/> Alvar <input type="checkbox"/> Rockland <input type="checkbox"/> Beach / Bar <input type="checkbox"/> Sand Dune <input type="checkbox"/> Bluff	<input type="checkbox"/> Plankton <input type="checkbox"/> Submerged <input type="checkbox"/> Floating-LVD <input type="checkbox"/> Graminoid <input type="checkbox"/> Forb <input type="checkbox"/> Lichen <input type="checkbox"/> Bryophyte <input checked="" type="checkbox"/> Deciduous <input type="checkbox"/> Coniferous <input type="checkbox"/> Mixed	<input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> River <input type="checkbox"/> Stream <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Fen <input type="checkbox"/> Bog <input type="checkbox"/> Meadow <input type="checkbox"/> Prairie <input type="checkbox"/> Tilt-Net <input type="checkbox"/> Savannah <input type="checkbox"/> Wetland <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	PH > AW > Aug. Pine > Horse Chestnut
2	3	2	PH > AW > Crataegus punctata
3	2	2	Alt Dogwood > Black Raspberry
4	7-6	5	Ga. N. Mustard > Enchanted Nightshade

HT Codes: 7 < 0.2m 8 > 0.2-0.6m 9 > 0.5-1m 4 > 1-2m 3 > 2-6m 2 > 6-25m 1 > 25m
 CVR Codes: 0 = none 1 0% - 10% 2 10 - 25% 3 25 - 50% 4 > 50%

Stand Composition:	Size Class Analysis:
MH 45-Aw 27 BA: 22	0 < 10 N < 10 N < 10 10-24 R 10-24 Q 10-24
Abundance Codes: N = None R = Rare Q = Occasional A = Abundant	A 25-50 R 25-50 R 25-50 N > 50

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

Ecosite: Dry-Fresh Sugar Maple Deciduous forest Code: F0P5
 Vegetation Type: Dry-Fresh Sugar Maple - White Ash Code: F0P5-8
 Inclusion: Code:
 Context: Code:

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Tally 4	Total	Sp. #
PH	11	5			16	5
Aug. Pine	11	2			13	3
AW	11	3			14	1
GW	6	1			7	1
Total					47	11
Basal Area (BA)		1.2			1.2	2.2
Dead						100

Soils Ontario and ELC Soils Description

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

ELC Community Description and Classification

Site: BLW 506 Polygon: 3

Surveyor(s): SAM Date: Aug. 18/11 Time start: 15:30 finish: 15:48

UTMZ: 17T UTMZ: UTMN:

Polygon Description

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

Stand Description

Layer	HT	CVR	Species in Order of Decreasing Dominance (up to 4 sp) (> Much Greater Than; > Greater Than; = About Equal To)
1	4-3	4	<u>Smooth Brome > Tall Grasses</u>
2	4	3	<u>Orchard Grass > Sm. Brome > Timothy = New England Aster</u>
3	5	3	<u>Queen Anne Lace > Cow Vetch > Canada Thistle</u>
4	7-6	2	<u>Strawberry > Field Hawkweed</u>

HT Codes: 7 < 0.2m 8 > 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: Size Class Analysis:

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

BA: N/A

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

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

Ecotope: Mineral Cultural Meadow Ecotope Code: CuM1

Vegetation Type: Dry-Moist Old Field Meadow Type Code: CuM1-1

Inclusion: Code:

Complex: Code:

Community Profile Diagram/Comments

Notes:

Tree Tally by Species

Species	Tally 1	Tally 2	Tally 3	Fall	Total	Prin. Photo
<u>N/A</u>						<u>2</u>
Total					<u>100</u>	
Basal Area (BA)						
Dead						

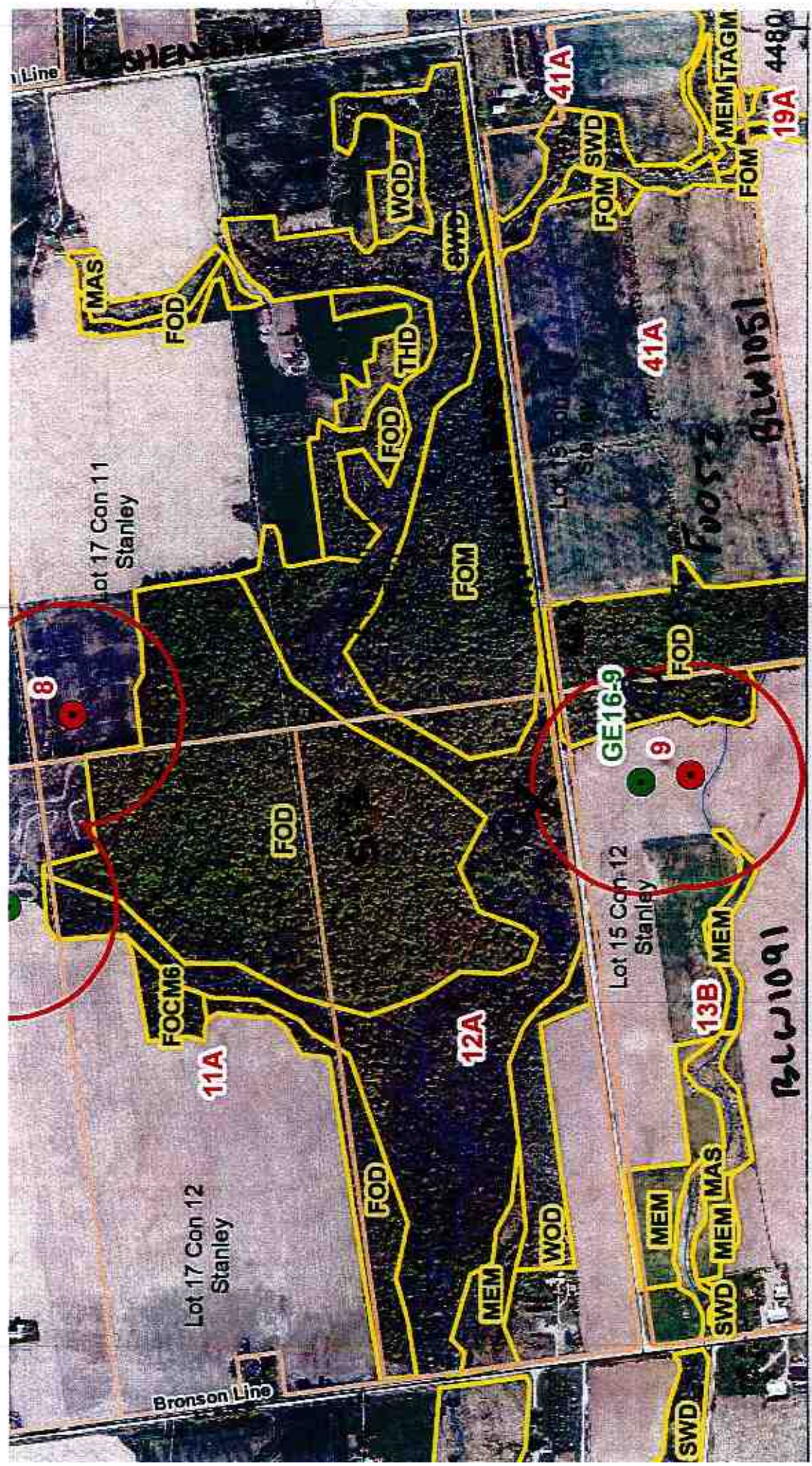
Soils Ontario and ELC Soils Description

PIVAuger #	Soils Ontario and ELC Soils Description				Summary
Zone					
Easting					
Northing					
Position					
Aspect					
Percent					
Slope					
Length					
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				

CONIFERS							TREES and SHRUBS							GRAMINOIDS							
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	
Abies balsamea							+ Rosa multiflora							Agrostis gigantea							
Juniperus communis							Rosa							Agrostis stolonifera							
Juniperus virginiana							Rubus allegheniensis							Agropyron repens							
Larix laricina							Rubus idaeus							Alopecurus							
Picea abies							Rubus occidentalis							Bromus inermis							
Picea glauca							Rubus odoratus							Calamagrostis canadensis							
Pinus resinosa							Rubus rubescens							Carex acutata							
Pinus strobus							Salix alba							Carex aurea							
Pinus sylvestris							Salix amygdaloides							Carex bebbii							
Thuja occidentalis							Salix bebbiana							Carex blanda							
Tsuga canadensis							+ Salix discolor							Carex gracillima							
							Salix eriocephala							Carex granularis							
							Salix erigata							Carex hystericina							
							Salix lucida							Carex pennsylvanica							
							Salix petiolaris							Carex radicata							
							+ Salix purpurea							Carex retrofracta							
							Salix x rubens							Carex stipata							
TREES and SHRUBS							+ Salix							Carex stricta							
Acer negundo							Sambucus canadensis							Carex vulpinoidea							
Acer rubrum							Sambucus racemosa							Carex							
Acer saccharinum							Sorbus aucuparia							Carex							
Acer saccharum							Spiraea alba							Carex							
Acer spicatum							Syringa vulgaris							Carex							
Alnus rugosa							+ Tilia americana							Carex							
Amelanchier							Ulmus americana							Carex							
Berberis thunbergii							Ulmus							Carex							
Betula alleghaniensis							Vaccinium							Carex							
Betula papyrifera							Viburnum lentago							Carex							
Carpinus caroliniana							Viburnum opulus							Cyperus							
Carya cordiformis							Viburnum							Cyperus							
Calamagrostis canadensis							Vitis riparia							Dactylis glomerata							
Corus alternifolia														Danthonia spicata							
Corus amomum														Echinochloa crus-galli							X
Corus rugosa														Eleocharis cryttopoda							
Corus stolonifera														Eleocharis							
Corylus cornuta														Elymus virginicus							
Crataegus monogyna														Elymus							
Crataegus punctata														Festuca arundinacea							
Crataegus sp.														Glyceria striata							
Crataegus														Glyceria							
Dicentra lonicera														Juncus dudleyi							
Fagus grandifolia														Juncus effusus							
Fraxinus americana														Juncus tenuis							
Fraxinus nigra							FERNS							Juncus							
Fraxinus pennsylvanica							Adiantum pedatum							Juncus							
Ilex verticillata							Athyrium filix-femina							Juncus							
Juglans cinerea							Botrychium antitropicum							Leersia oryzoides							
Juglans nigra							Botrychium virginianum							Muhlenbergia							
Lonicera maackii							Cystopteris bulbifera							Oryzopsis asperifolia							
Lonicera tatarica							Dryopteris caroliniana							Panicum							X
Lonicera							Dryopteris cristata							Panicum							
Malus pumila							Dryopteris marginalis							Phalaris arundinacea							
Ostrya virginiana							Dryopteris							Panicum pennsylvanicum							
Parthenocissus vitacea							Equisetum arvense							Panicum australe							
Populus balsamifera							Equisetum hyemale							Poa compressa							
Populus grandidentata							Equisetum variegatum							Poa pratensis							
Populus tremuloides							Equisetum							Poa							
Populus							Gymnocarpium dryopteris							Scirpus atrovirens							
Prunus pennsylvanica							Lycopodium digitatum							Scirpus cyperinus							
Prunus serotina							Lycopodium obscurum							Scirpus validus							
Prunus virginiana							Lycopodium							Scirpus							
Prunus							Lycopodium							Scirpus							
Quercus macrocarpa							Mattuccia struthiaria							Setaria							X
Quercus rubra							Osmunda cinnamomea							Spartanum							
Quercus							Osmunda regalis							Typha angustifolia							
Rhamnus cathartica							Polytaenium acutidenticulata							Typha latifolia							
Ribes purpureum							Pteridium aquilinum							Typha X glauca							
Ribes typhina							Thelypteris palustris														
Ribes marianum																					
Ribes cynosbati																					
Ribes x rubrum																					
Robinia pseudo-acacia																					

TURBINE I.D.
IE 16-9, 2008

BLW-508



ACCESS - PAVILLION ROAD, CORNER LOT, NO LANEWAY
 (can do as road survey)
 from Pavillion Road

*also have landowner
 permission for 13B

Blue water 508

VASCULAR PLANT CHECKSHEET

Polygon 11
F05-2

Location:

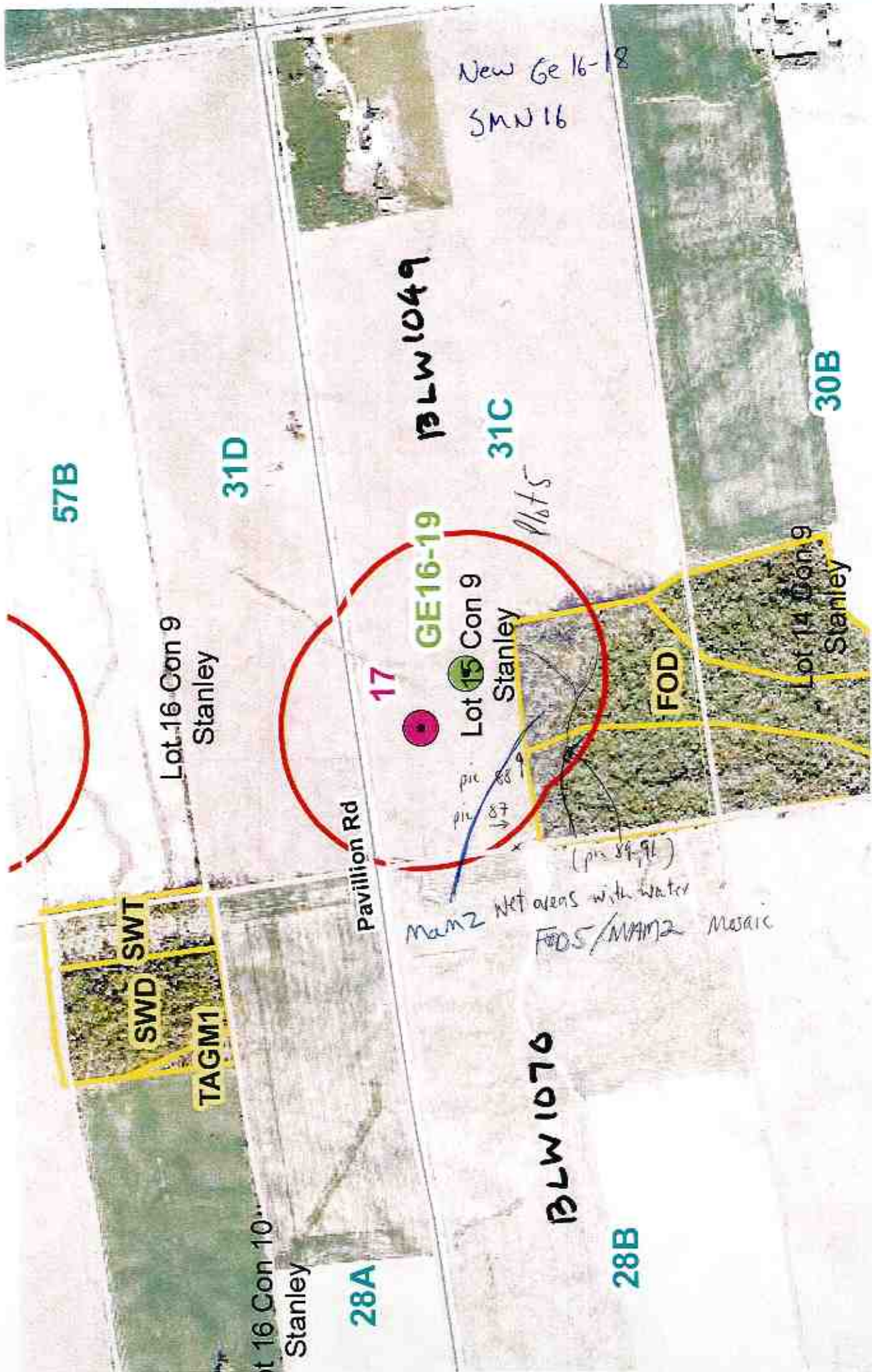
Date: May 13, 2011

Observer: DJ

Job Number: 60155032

DICOT HERBS												MONOCOT HERBS					
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
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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							
						Juniperus communis							Rosa							
						Juniperus virginiana							Rubus allegheniensis							
						Larix laricina							Rubus idaeus							
						Picea abies							Rubus occidentalis							
						Picea glauca							Rubus odoratus							
						Pinus resinosa							Rubus pubescens							
						Pinus strobus							Salix alba							
						Pinus sylvestris							Salix amygdaloides							
						Thuja occidentalis							Salix bebbiana							
						Tsuga canadensis							+ Salix discolor							
													Salix crinicephala							
													Salix exigua							
													Salix lucida							
													Salix petiolaris							
													+ Salix purpurea							
						TREES and SHRUBS							Salix x rubens							
						Acer argenteum							+ Salix							
						Acer rubrum							Sambucus canadensis							
						Acer saccharinum							Sambucus racemosa							
						Acer saccharum	X						Sorbus aucuparia							
						Acer spicatum							Spiraea alba							
						Alnus rugosa							Syringa vulgaris							
						Amelanchier arborea	X						Ulm americana							
						Berberis thunbergii							Ulm americana							
						Betula alleghaniensis							Ulmus							
						Betula papyrifera							Vaccinium							
						Carpinus caroliniana							Viburnum lentago							
						Carya cordifolia							Viburnum opulus							
						Celastrus scandens							Viburnum							
						Cornus alternifolia	X						Vitis riparia							
						Cornus amomum														
						Cornus rugosa														
						Cornus stolonifera														
						Corylus americana														
						Crataegus monogyna														
						Crataegus punctata														
						Crataegus sp.														
						Crataegus														
						Diervilla lonicera														
						Fagus grandifolia	X													
						Fraxinus americana	X													
						Fraxinus nigra							FERNS							
						Fraxinus pennsylvanica							Adiantum pedatum							
						Hicx verticillata							Athyrium filix-femina							
						Juglans cinerea							Botrychium multifidum							
						Juglans nigra							Botrychium virginianum							
						Lonicera murrayi							Cystopteris bulbifera							
						Lonicera tatarica							Dryopteris carthusiana							
						Lonicera							Dryopteris cristata							
						Malus pumila							Dryopteris marginalis							
						Ostrya virginiana	X						Dryopteris							
						Parthenocissus inserta							Equisetum arvense							
						Populus balsamifera							Equisetum hyemale							
						Populus grandidentata							Equisetum variegatum							
						Populus tremuloides							Equisetum							
						Populus							Gymnocarpium dioxyperis							
						Prunus pennsylvanica	X						Lycopodium digitatum							
						Prunus serotina	X						Lycopodium obscurum							
						Prunus virginiana	X						Lycopodium							
						Prunus							Lycopodium							
						Quercus macrocarpa							Mallecula struthiopteris							
						Quercus rubra							Onoclea sensibilis							
						Quercus							Osmunda cinnamomina							
						Rhamnus cathartica	X						Osmunda regalis							
						Rhus radicans							Polystichum acrostichoides							
						Rhus typhina							Pteridium aquilinum							
						Ribes americana							Thelypteris palustris							
						Ribes cynosbati	X													
						Ribes x rubrum														
						Robinia pseudo-acacia														



New Ge 16-18
SMN16

57B

31D

BLW 1049

31C

30B

Lot 16 Con 9
Stanley

17



GE16-19

Lot 15 Con 9
Stanley

Plots

FOD

Lot 14 Con 9
Stanley

Pavillion Rd

MAM2 Net areas with water
FODS/MAM2 Mosaic
(pts 89, 91)

SWD

SWT

TAGM1

BLW 1070

28A

28B

Lot 16 Con 10
Stanley

New G51618

SMN16

ELC Community Description and Classification

Site: **BLW 510** Polygon: **PS**

Surveyor(s): **JESS + HADJIAN** Date: **Nov 31, 2011** Time start: **10:30 am** finish: **3:30 pm**

UTMZ: _____ UTMN: _____

Polygon Description Survey, 29°C

System	Substrate	Topographic Feature	Plant Form	Community
<input checked="" type="checkbox"/> Terrestrial <input type="checkbox"/> Wetland <input type="checkbox"/> Aquatic Site <input type="checkbox"/> Open Water <input type="checkbox"/> Shallow Water <input type="checkbox"/> Surficial Dep. <input type="checkbox"/> Bedrock	<input type="checkbox"/> Organic <input checked="" type="checkbox"/> Mineral Soil <input type="checkbox"/> Parent Min. <input type="checkbox"/> Acidic Bedrk <input type="checkbox"/> Basic Bedrk <input type="checkbox"/> Carb. Bedrk	<input type="checkbox"/> Lacustrine <input type="checkbox"/> Riverine <input type="checkbox"/> Bottomland <input type="checkbox"/> Terrace <input type="checkbox"/> Valley Slope <input checked="" 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 checked="" type="checkbox"/> Bryophyto <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"/> Barran <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) <i>(>> Much Greater Than, > Greater Than, = About Equal To)</i>
1	4	4	ALGSAUCE > TEANER = WIMPER & FLANNE
2	4	2	RACATH
3	6	3	ARTTRIP > TRIGRAD > TIACOLD > CAUTMAL

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

Stand Composition: Size Class Analysis:

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

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

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

Ecosite: **Fed - Forest Deciduous** Code: **F006-K**

Vegetation Type: Code: **WAMJ2**

Inclusion: **MAM - Mixed MAMSA** Code: _____

Complex: Code: _____

Community Profile Diagram/Comments

LOTS OF NUT pockets found throughout with natural sedges, ferns

WOODS WITH WEL pockets

Notes:

Tree Tally by Species

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

Soils Ontario and ELC Soils Description

Site Metrics		Pit/Auger #				Summary
UTM	Zone					Moisture Regime
	Easting					
	Northing					
Slope	Position					Drainage
	Aspect					
	Percent					
Mottles	Slope					Effective Texture (Indicate below)
	Length					
	Mottles	None				
Gley	Water Table					% CF
	Carbonates					
	Bedrock					
1	Depth from zero					% CF
	Texture					
2	Depth from zero					% CF
	Texture	SL				
3	Depth from zero					% CF
	Texture					
4	Depth from zero					% CF
	Texture					
		% Surface Stoner/Rock				
		Moisture Regime				
		Drainage				

VASCULAR PLANT CHECKSHEET

Location: BLW-510

Date: May 8, 2011

Observer: Jess + Annex

Job Number:

DICOT HERBS												MONOCOT HERBS											
1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6						
Achillea millefolium						Erigeron annuus						Plantago lanceolata						Alisma plantago-aquatica	X				
Actaea pachyloba						Erigeron philadelphicus						Plantago major						Allium tricoccum					
Actaea rubra						Erigeron strigosus						Plantago rugelii						Amium					
Agalinis						Erythronium chersoides						Podophyllum peltatum	X					Arisaema triphyllum	X				
Agrimonia gryposepala						Eupatorium maculatum						Polygonum						Asparagus officinalis					
Allaria petiolata	X					Eupatorium perfoliatum						Polygonum						Calla palustris					
Amorcanthus retrofractus						Eupatorium rugosum						Polygonum						Clethra barnebyi					
Ambrosia artemisiifolia						Euphorbia						Polygonum lapathifolium						Cypripedium calceolus					
Amphispiza brevicauda						Euthamia graminifolia						Polygonum persicaria						Eriodera canadensis					
Anaphalis margaritacea						Fragaria virginiana	X					Potentilla						Epipactis helleborina					
Anemone						Fragaria vesca						Potentilla norvegica						Erythronium americanum					
Anemone canadensis						Galopsis tetrahit						Potentilla recta						Hemerocallis fulva					
Anemone virginiana						Gallium						Prunella alba						Iris versicolor					
Antennaria neglecta						Gallium						Prunella vulgaris						Lemna minor					
Apocynum androsaemifolium						Gallium palustre						Pyrola elliptica						Lecma trisulca					
Apocynum cannabinum						Gallium triflorum						Ranunculus						Lilium					
Aquilegia canadensis						Geonium maculatum	X					Ranunculus abortivus						Maianthemum canadense					
Aralia nudicaulis						Geonium robertianum	X					Ranunculus acris						Maianthemum racemosum					
Arenaria minus						Geum aleppicum	X					Rudbeckia hirta						Maianthemum stellata					
Artemisia						Geum canadense	X					Rumex acetosella						Pteranthura					
Asarum canadense						Geum						Rumex crispus	X					Pontaderia cordata					
Asclepias incarnata						Glecoma hederacea						Rumex						Polygonatum pubescens					
Asclepias syriaca						Hepatica acutiloba						Sarganium canadense						Potamogeton crispus					
Aster multiflorus	X					Hesperis matronalis						Sanicula marilandica						Potamogeton perfoliatus					
Aster cordifolius						Hieracium aurantiacum						Saponaria officinalis						Potamogeton					
Aster eximius						Hieracium caespitosum						Satureja vulgaris						Potamogeton					
Aster lanceolatus						Hieracium						Scutellaria galericulata						Potamogeton					
Aster lateriflorus						Hydrophyllum virginianum	X					Silene vulgaris						Potamogeton					
Aster macrophyllus						Hypericum perforatum	X					Sium suave						Sagittaria latifolia					
Aster novae-angliae						Impatiens capensis						Solidago canadensis						Silene alba					
Aster punctatus						Impatiens						Solidago flexuosula						Smilax herbacea					
Bartonia vulgaris						Inula helenium						Solidago rugosa						Spiraea cuneata					
Bidens cernua						Lactuca						Solidago canadensis						Spiraea polyrrhiza					
Bidens frondosa						Laportea canadensis						Solidago flexuosula						Strophocarpus racemosus					
Begonia cylindrica						Lapsana complanata						Solidago nemoralis						Trillium erectum					
Calla palustris						Lepidium						Solidago nemoralis						Trillium grandiflorum					
Calyptegia eschum						Lithospermum chisale						Solidago rugosa						Uvularia grandiflora					
Carex acuticarpa						Lobelia						Sonchus oleraceus						Uvularia sp					
Carex lasiocarpa						Lobelia inflata						Sonchus asper											
Carex lasiocarpa						Lolium perenne						Stellaria											
Carex lasiocarpa						Lycopus americanus						Tanacetum vulgare											
Carex lasiocarpa						Lycopus						Taraxacum officinale	X										
Carex lasiocarpa						Lysimachia clethroides						Thalictrum dioicum											
Carex lasiocarpa						Lysimachia						Thalictrum pubescens											
Carex lasiocarpa						Lysimachia						Tianella cordifolia	X										
Carex lasiocarpa						Lysimachia						Trigonopogon pratensis											
Carex lasiocarpa						Lysimachia						Trifolium boreale											
Carex lasiocarpa						Lysimachia						Trifolium pratense											
Carex lasiocarpa						Lysimachia						Trifolium repens											
Carex lasiocarpa						Lysimachia						Tussilago farfara											
Carex lasiocarpa						Lysimachia						Urtica dioica											
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Carex lasiocarpa						Lysimachia						Urtica dioica											
Carex lasiocarpa						Lysimachia																	

BLW-510

TU

6A

1C

36A

20A

2 Con 10
Stanley

18

SWD

Lot 13 Con 9
Stanley

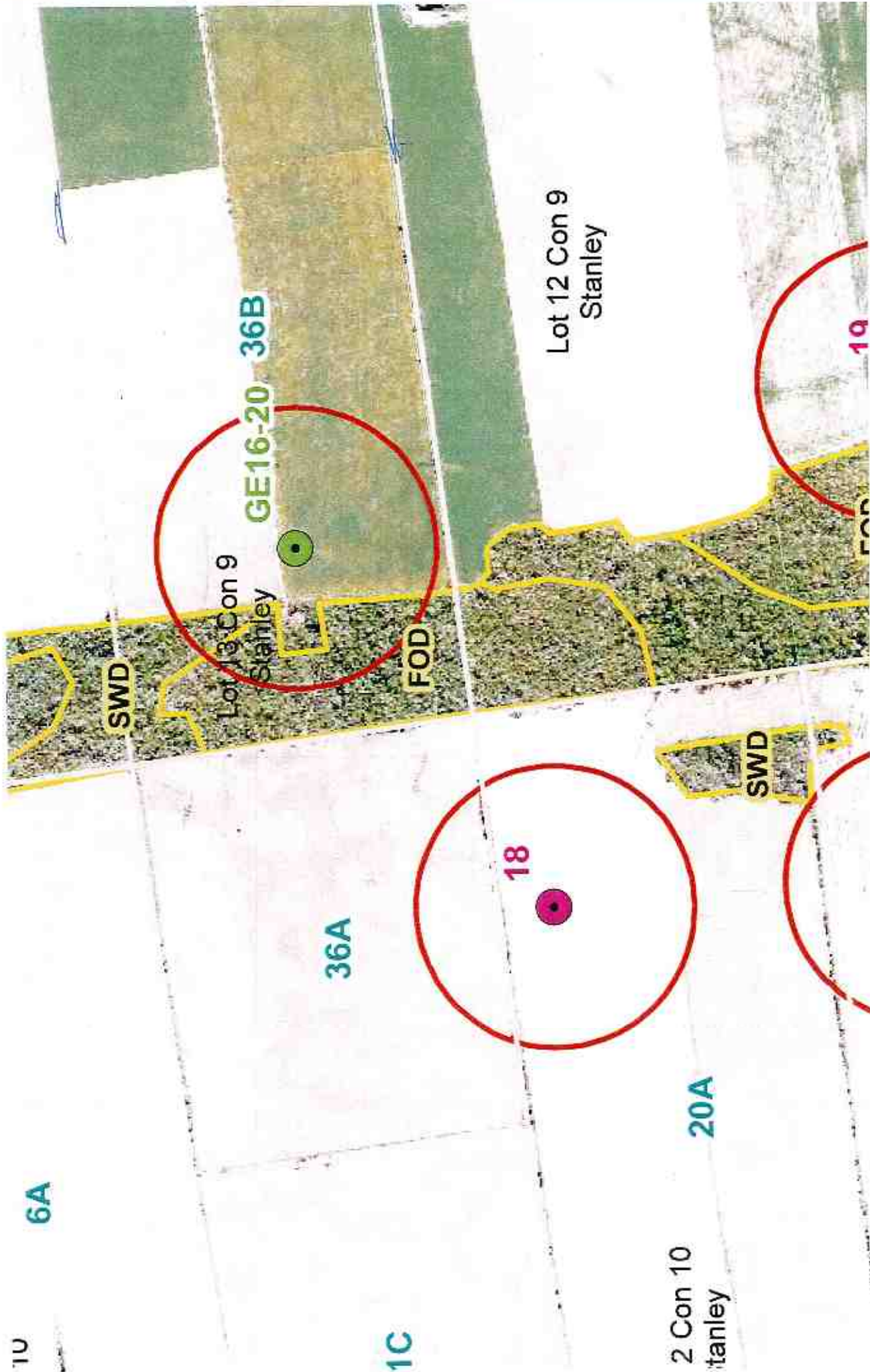
GE16-20 36B

FOD

Lot 12 Con 9
Stanley

SWD

19



ELC Community Description and Classification

Site: Buena Vista 510 Polygon: _____

Surveyor(s): J. Kowstar Date: NOV 26/2011 Time start: 18:10 finish: _____

UTMZ: _____ UTMZ: 449255 UTMN: 4816965

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"/> F-forb	<input type="checkbox"/> Marsh
<input type="checkbox"/> Shallow Water	<input type="checkbox"/> Carb. Bedrk	<input type="checkbox"/> Tableland	<input type="checkbox"/> Bryophyte	<input type="checkbox"/> Swamp
<input type="checkbox"/> Surficial Dep.	<input type="checkbox"/> Bedrock	<input type="checkbox"/> Roll Upland	<input type="checkbox"/> Deciduous	<input type="checkbox"/> Fen
History		<input type="checkbox"/> Cliff	<input type="checkbox"/> Coniferous	<input type="checkbox"/> Bog
<input type="checkbox"/> Natural		<input type="checkbox"/> Telus	<input type="checkbox"/> Mixed	<input type="checkbox"/> Barren
<input type="checkbox"/> Cultural		<input type="checkbox"/> Crevice/Cave		<input type="checkbox"/> Meadow
Cover		<input type="checkbox"/> Aivar		<input type="checkbox"/> Prairie
<input type="checkbox"/> Open		<input type="checkbox"/> Rockland		<input type="checkbox"/> Thicket
<input type="checkbox"/> Shrub		<input type="checkbox"/> Beach / Bar		<input type="checkbox"/> Savannah
<input type="checkbox"/> Tree		<input type="checkbox"/> Sand Dune		<input type="checkbox"/> Woodland
		<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)
1	1.2	4	<u>Aspen → Fagus - Fraxinus</u>
2	3	2	<u>Aspen → Spruce → Acer sp.</u>
3	4	2	<u>Pine - Spruce - Cedar</u>
4	6	2	<u>Aspen → Cedar → Fir</u>

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

Stand Composition: Size Class Analysis:

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

 Standing Snags:

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

 Deadfall / Logs:

A	<10	A	10-24	O	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: F05-1

Inclusion: _____ Code: _____

Complex: _____ Code: _____

Community Profile Diagram/Comments

Notes: Canopy variable; frequent small gaps from tree falls

PTO

Tree Tally by Species

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

Prism Factor 2

Soils Ontario and ELC Soils Description

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

Viola incognita sp. - White violet, but some pale blue in centre of flowers
- Rich Dec woods UTM 449250/4816970

Swamp Inclusions within the FOD - eg. at 449250/4817035

Broken canopy - appears to be in transition from upland to wetland
but canopy represented by upland species - wet spring may be
further in creating wetter than usual conditions here

2-4 Tildener - Ace sacu - Fraxinum - (~60%)

6-4 Imp cape Ast haru - Glystri

Small area around disturbed area + shed

ELC
Community Description and Classification

Site: **BLW-510** Polygon: **2**

Surveyor(s): **Ramsay** Date: **May 26/11** Time start: **19:20** finish: **19:30**

UTMZ: **449 260** UTMN: **4817150**

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"/> Tree	<input type="checkbox"/> Organic <input checked="" type="checkbox"/> Mineral Soil <input type="checkbox"/> Parent Min. <input type="checkbox"/> Acidic Bedrk <input type="checkbox"/> Basic Bedrk <input type="checkbox"/> Carb. Bedrk	<input type="checkbox"/> Lacustrine <input type="checkbox"/> Riverine <input type="checkbox"/> Bottomland <input type="checkbox"/> Terrace <input type="checkbox"/> Valley Slope <input type="checkbox"/> Tableland <input type="checkbox"/> Roll. Upland <input type="checkbox"/> Cliff <input type="checkbox"/> Talus <input type="checkbox"/> Crevice/Cave <input type="checkbox"/> Alvar <input type="checkbox"/> Rockland <input type="checkbox"/> Beach / Bar <input type="checkbox"/> Sand Dune <input type="checkbox"/> Bluff	<input type="checkbox"/> Plankton <input type="checkbox"/> Submerged <input type="checkbox"/> Floating-LVD. <input type="checkbox"/> Graminoid <input type="checkbox"/> Forb <input type="checkbox"/> Lichen <input type="checkbox"/> Bryophyte <input type="checkbox"/> Deciduous <input type="checkbox"/> Coniferous <input type="checkbox"/> Mixed	<input type="checkbox"/> Lake <input type="checkbox"/> Pond <input type="checkbox"/> River <input type="checkbox"/> Stream <input type="checkbox"/> Marsh <input checked="" type="checkbox"/> Swamp <input type="checkbox"/> Fen <input type="checkbox"/> Bog <input type="checkbox"/> Barren <input type="checkbox"/> Meadow <input type="checkbox"/> Prairie <input type="checkbox"/> Thicket <input type="checkbox"/> Savanna <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	3	<i>Betula - Aegilops - Carex - Juncus</i>
2	3	3	<i>Trichostema - Fragaria - Carex</i>
3			
4	6	4	<i>Juniper - Carex - Ast. lutea</i>

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

Stand Composition: Size Class Analysis:

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

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

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

Ecotope: Code: **SWD4**

Vegetation Type: **Mineral Deciduous Swamp Ecotope**

Inclusion: Code:

Complex: Code:

Community Profile Diagram/Comments

Notes: *Swamp (open canopy) trees, pits dug by shrews, area edge between upland + wetland*

Tree Tally by Species

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

Soils Ontario and ELC Soils Description

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