



# NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 4

Site: W00-030 Adelaide Wind Farm  
 Polygon: A  
 UTM: 0442741 - 4763336  
 Date: Oct 28/11 Time: 11:40 am  
 Surveyor(s): MEF, WGW  
 Weather: temp = 7°C, %cc = 5%, precip = none, W = 1

## Community Classification

Vegetation Type: 1  
 Inclusion:  
 Complex:

## Polygon Description

System	Substrate	Topo Feature	Community
<input checked="" type="checkbox"/> Terrestrial	Organic	Lacustrine	Talus
<input type="checkbox"/> Wetland	<input checked="" type="checkbox"/> Mineral Soil	Riverine	Crevice/Cave
<input type="checkbox"/> Aquatic	Parent Min.	Bottomland	Alvar
	Acidic Bedrock	Terrace	Rockland
	Basic Bedrock	Valley Slope	Beach/Bar
<b>History</b>	Carb. Bedrock	<input checked="" type="checkbox"/> Tableland	Sand Dune
<input checked="" type="checkbox"/> Natural		Roll, Upland	Bluff
<input type="checkbox"/> Cultural		Cliff	Bog

Cover	Open Water	Plant Form
<input type="checkbox"/> Open	Shallow Water	Plankton
<input type="checkbox"/> Shrub	<input checked="" type="checkbox"/> Surficial Dep.	Submerged
<input checked="" type="checkbox"/> Treed	Bedrock	Floating-Lvd.
		Graminoid
		Forb
		Lichen
		Bryophyte
		<input checked="" type="checkbox"/> Deciduous

## Stand Description

Layer	HT	Cover	Species
* Super-canopy	1	1	white oak
1 Canopy	2	2	white oak > red oak > sugar maple > Am. beech
2 Sub-canopy	3	3	sugar maple > Am. beech > Am. elm > basswood
3 Understorey	4-5	4	gray dogwood > sugar maple > Am. beech > hannyberry
4 Groundcover	6-7	1	black raspberry > goldenrod sp > strawberry > virginia water leaf.

HT Codes: 1: >25m 2: 25-10m 3: 10-2m 4: 2-1m 5: 1-0.5m 6: 0.5-0.2m 7: <0.2m

Cover Codes: 0: none 1: 0-10% 2: 10-25 3: 25-60% 4: >60%

Size Class Analysis	A < 10	A 10-24	A 25-50	O > 50
Snags	A < 10	O 10-24	R 25-50	N > 50
Deadfall/Logs	A < 10	O 10-24	R 25-50	N > 50

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

Community Age	Pioneer	Young	<input checked="" type="checkbox"/> Mid-age	Mature	Old Growth
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↳ however an verge of mature → very large oak trees yet all other species smaller.

# NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

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## PLANT SPECIES LIST

Site:  
 Polygon: See page 1.  
 UTM:  
 Date:  
 Time:  
 Surveyor(s):  
 Weather:

Layers: 1=canopy 2=sub-canopy 3=understorey 4=ground layer

Abundance Codes: R=rare O=occasional A=abundant D=dominant

Species	Layer				Sample	Species	Layer				Sample
	1	2	3	4			1	2	3	4	
Am. elm		O	O			strawberry sp. x2					A
white oak	D			O		garimony					A
Am. beech		A	A			black raspberry					D
white ash				O		goldenrod sp.					D
<del>red maple</del>						virginia water leaf					A
red oak	A	O	O	O		ribes sp.					O
basswood		O	O			poison ivy					O
Shagbark hickory				O		grass sp.					A
silver maple	R					rush sp.					R
chokecherry				O		fern sp x2					R
sugar maple		A	A	A							
bitternut hickory				O							
gray dogwood				D							
hannyberry				A							
cornicarpa				O							
buckthorn				R							
blue beech				R							
trembling aspen				O							

Other Notes (Landowner Contact, General Notes, etc.)

**Wildlife Observation Form**  
NATURAL RESOURCE SOLUTIONS INC.

Page 3 of 4

Site: ~~1730 Acadade WF~~  
 Polygon: WOOD-M30  
 UTM: 0442741-476336  
 Date: 28/01/2011 Time: 11:40  
 Surveyor(s): WGW-MEE  
 Weather: 7°C - 11.05% Wind 2 - W -

Species Observed					Check for Wildlife Habitat that may be associated with an observation				
TY	Species	EV	Notes	#	TY	Species	EV	Notes	#
B	Blue Jay	VO		1					
B	Red-killed	OB		2					
M	Grey Squire	VO		1					
M	Robin	OB		2					
M	White-T. Spar	TK							
B	Am. Crow	VO		20					

**Faunal Type Codes (TY)**

B=Bird M=Mammal H=Herpetofauna L=Lepidoptera F=Fish D=Dragonfly or Damselfly

**Evidence Codes (EV)**

**Breeding Birds**  
 SH- Suitable Habitat  
 SM- Singing Male  
 T- Territory  
 A- Anxiety Behavior  
 D- Courtship Display  
 N- Nest Building  
 P- Pair  
 V- Visiting Nest  
 DD- Distraction Display  
 NE- Nest with Eggs  
 AE-Adult entering nest  
 NU- Used nest  
 FY- Fledged Young  
 FS- Food/Fecal Sac

**Other Wildlife**  
 OB- Observed  
 DP- Distinctive Parts  
 TK- Tracks  
 VO- Vocalization  
 HO- House/Den  
 FE- Feeding Evidence  
 CA- Carcass/Bones  
 FY- Eggs or young  
 SC- Scat  
 SI- Other Signs (Specify)

**Wildlife Habitat Form**  
NATURAL RESOURCE SOLUTIONS INC.

Page 4 of 4

Site:  
 Polygon: see page 3.  
 UTM:  
 Date:  
 Time:  
 Surveyor(s):  
 Weather:

**Wildlife Habitat (Check all that apply AND record UTM / mark on map)**  
 \*Habitats and Habitat Features are independent of wildlife observations\*

Habitat Type	Habitat Features
<input type="checkbox"/> Deciduous Forest	<b>Birds</b>
<input type="checkbox"/> Mixed Forest	<input type="checkbox"/> Spring Flooded Field
<input type="checkbox"/> Coniferous Forest	<input type="checkbox"/> Stick Nest (Raptors, Herons)
<input type="checkbox"/> Marsh	<input type="checkbox"/> Snag (Raptors, Herons)
<input type="checkbox"/> Swamp	<input type="checkbox"/> Tree Cavity Nest (Ducks)
<input type="checkbox"/> Bog	<input type="checkbox"/> Seep/Spring (Turkeys/Grouse)
<input type="checkbox"/> Fen	<input type="checkbox"/> Cliffs/Banks
<input type="checkbox"/> Water	<b>Bats</b>
(Shallow & Open)	<input type="checkbox"/> Cave Entrance
<input type="checkbox"/> Meadow	<input type="checkbox"/> Mine Shaft
<input type="checkbox"/> Tallgrass Prairie	<input type="checkbox"/> Snag (>20cm DBH)
<input type="checkbox"/> Thicket	<b>Mink/Otter/Fisher/Marten</b>
<input type="checkbox"/> Savannah	<input type="checkbox"/> Snag
<input type="checkbox"/> Woodland	<input type="checkbox"/> Burrow
<input type="checkbox"/> Valley	<input type="checkbox"/> Den
(Describe Below)	<input type="checkbox"/> Tree Cavity
<input type="checkbox"/> Headwater Area	<input type="checkbox"/> Fallen Log
(check for Seeps/Springs)	<b>Deer/Moose</b>
	<input type="checkbox"/> Seep/Spring
	<input type="checkbox"/> Mineral Lick
	<b>Snakes</b>
	<input type="checkbox"/> Burrow
	<input checked="" type="checkbox"/> Fallen Rotting Log
	<input type="checkbox"/> Old Well
	<input type="checkbox"/> Rock Pile/Stone Wall
	<input checked="" type="checkbox"/> Organics Pile
	<input type="checkbox"/> Log Pile
	<input type="checkbox"/> Karst
	<input type="checkbox"/> Broken/Fissured Rock
	<input type="checkbox"/> Old Foundation
	<input type="checkbox"/> Old Bridge/Concrete Culvert
	<b>Amphibians and Turtles</b>
	<input type="checkbox"/> Vernal Pool/Woodland Pond (Amphibian Breeding)
	<input type="checkbox"/> Sand (Turtle Nesting)
	<input type="checkbox"/> Fine/Sandy Gravel (Turtle Nesting)
	<b>Invertebrates</b>
	<input type="checkbox"/> Crayfish Chimney

For every Habitat Type or Habitat Feature, record UTM below (for each occurrence) or mark on map

Habitat Feature:	UTM	Description
Fallen Rotting Log	0442638-4763271	large rotting log
Log	0442665-4763219	lots of large dead fall in area
Rock Pile	0442668-476335	1m high, 5m long, 2.5m wide - on forest edge

Describe Valley (depth, geomorphological traits):

Additional Details:

# NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 4

Site:	1230 Adalade		
Polygon:	W00-031		
UTM:			
Date:	28/10/2011	Time:	13:05
Surveyor(s):	WGW - MEE		
Weather:	8°C Wind 1 W CC: 50%		

## Community Classification

Vegetation Type:	Fresh-moist deciduous woodland (W00M5)
Inclusion:	
Complex:	

## Polygon Description

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

## Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	2	3	American Basswood >> Am Elm
2 Sub-canopy	3	1	American Elm
3 Understorey	3/4	2	Red osier dogwood
4 Groundcover	5/4	4	grass >> Solidago Aster sp.

HT Codes: 1: >25m 2: 25-10m 3: 10-2m 4: 2-1m 5: 1-0.5m 6: 0.5-0.2m 7: <0.2m

Cover Codes: 0: none 1: 0-10% 2: 10-25 3: 25-60% 4: >60%

Size Class Analysis	0 < 10	0 10-24	R 25-50	R > 50
Snags	0 < 10	A 10-24	D 25-50	N > 50
Deadfall/Logs	0 < 10	0 10-24	D 25-50	N > 50

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

Community Age	Pioneer	Young	Mid-age	Mature	Old Growth
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# NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 2 of 4

## PLANT SPECIES LIST

Site:	
Polygon:	
UTM:	See page 1
Date:	
Time:	
Surveyor(s):	
Weather:	

Layers: 1=canopy 2=sub-canopy 3=understorey 4=ground layer

Abundance Codes: R=rare O=occasional A=abundant D=dominant

Species	Layer				Sample	Species	Layer				Sample
	1	2	3	4			1	2	3	4	
Am. Basswood	A					Solidago sp.				A	
Red maple			R			Black Raspberry				O	
Am. Elm	O	A				Bittersweet				R	
Willow sp.	R					rubus					
Black Walnut	R					Birch				O	
Red osier dog			O			Thistle sp.				O	
Com. Burchardia			R			grass sp.				A	
White Pine	R					Aster sp.				A	
						Com. Danthion				O	
						Enchanter's				O	
						rubus					
						Milkweed sp.				O	
						Garlic Mustard				O	
						Teasel				O	

## Other Notes (Landowner Contact, General Notes, etc.)

- Black squirrel  
 - stream bisecting -  
 - weedy meadow inclusion - 0.5  
 - 1/2 ha open area



Site: Adelaide WF (1230)  
 Polygon: WOD-033  
 UTM: 17T 0440425 4757521  
 Date: Nov. 24/11 Time: 9:50  
 Surveyor(s): AMD, KNP  
 Weather: Overcast light fog, 5°C 100% CC, wind 4 from SW.

Community Classification

Vegetation Type: Fresh-moist Green Ash Hardwood Lowland Decid. Forest (F00M7-2)  
 Inclusion:  
 Complex:

Polygon Description

System	Substrate	Topo Feature	Community
<input checked="" type="checkbox"/> Terrestrial	Organic	Lacustrine	Talus
<input type="checkbox"/> Wetland	<input checked="" type="checkbox"/> Mineral Soil	Riverine	Crevice/Cave
<input type="checkbox"/> Aquatic	Parent Min.	Bottomland	Alvar
	Acidic Bedrock	Terrace	Rockland
	Basic Bedrock	Valley Slope	Beach/Bar
<b>History</b>	Carb. Bedrock	<input checked="" type="checkbox"/> Tableland	Sand Dune
<input checked="" type="checkbox"/> Natural		Roll, Upland	Bluff
<input type="checkbox"/> Cultural		Cliff	Bog
<b>Cover</b>	Open Water	<b>Plant Form</b>	
<input type="checkbox"/> Open	Shallow Water	Plankton	Forb
<input type="checkbox"/> Shrub	<input checked="" type="checkbox"/> Surficial Dep.	Submerged	Lichen
<input checked="" type="checkbox"/> Treed	Bedrock	Floating-Lvd.	Bryophyte
		Graminoid	<input checked="" type="checkbox"/> Deciduous

Stand Description

Layer	HT	Cover	Species
Super-canopy			
1 Canopy	1	4	ash (green + white) > freeman's maple > basswood = shag hickory
2 Sub-canopy	2	4	green ash > wh. elm > sugar maple = basswood
3 Understorey	3	3	green ash > ironwood = wh. elm = basswood
4 Groundcover	5	2	Wood strawberry > avens sp. > calico aster

HT Codes: 1: <25m 2: 25-10m 3: 10-2m 4: 2-1m 5: 1-0.5m 6: 0.5-0.2m 7: <0.2m

Cover Codes: 0: none 1: 0-10% 2: 10-25 3: 25-60% 4: >60%

Size Class Analysis	O < 10	A 10-24	A 25-50	O > 50
Snags	R < 10	O 10-24	O 25-50	R > 50
Deadfall/Logs	O < 10	O 10-24	R 25-50	N > 50

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

Community Age	Pioneer	Young	<input checked="" type="checkbox"/> Mid-age	Mature	Old Growth
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PLANT SPECIES LIST

Site:  
 Polygon: See page 1  
 UTM:  
 Date: Time:  
 Surveyor(s):  
 Weather:

Layers: 1=canopy 2=sub-canopy 3=understorey 4=ground layer

Abundance Codes: R=rare O=occasional A=abundant D=dominant

Species	Layer				Sample	Species	Layer				Sample
	1	2	3	4			1	2	3	4	
wh. elm	R	O	O			wood strawberry				A	
Sugar maple	R	O	O			avens sp.				O	
poison ivy (vine)			O	O		calico aster				O	
rubus idaeus			O	O		dandelion				R	
hasswood	O	O	O			viola sp.				R	
Choke cherry			O			garlic mustard				R	
common blackberry				R		wild geranium				R	
ironwood		O	O			herb robert				O	
bitternut hickory	R	R	R			bottlebrush grass				O	
wh. ash	O	R	R			rough bodstraw				R	
hawthorn sp.			R			xmas fern				R	
prickly gooseberry				R		Zig Zag goldenrod				R	
ribes americanum				O		goldenrod sp.				O	
Am. beech.	R	R									
bur oak	R	R									
common buckthorn				R							
riverbank grape				R							
red osier dogwood				R							
shag hickory	O	R	R								
black maple			R			freeman maple	O	R	R		
black cherry	R					green ash	O	O	O		
jap. barberry				R		multiflora rose				R	
red ash				R		blue beech.				R	

Other Notes (Landowner Contact, General Notes, etc.)

Lowland fresh-moist forest  
 - not much groundcover observable  
 - dog following us while surveying



Site: 1230 Adelaide  
 Polygon: WOD-034  
 UTM: 17T 0447029 4760181  
 Date: 24 NOV 2011 Time: 15:24  
 Surveyor(s): KNP, AMD  
 Weather: 5°C, 100% cloud cover, wind speed 5 from SW

Site:  
 Polygon: See page 1.  
 UTM:  
 Date: Time:  
 Surveyor(s):  
 Weather:

Community Classification

Vegetation Type: Fresh-moist Green Ash - Hardwood Lowland  
 Inclusion:  
 Complex:

Decid. Forest  
 (FODM7-2)

Polygon Description

System	Substrate	Topo Feature	Community
<input checked="" type="checkbox"/> Terrestrial	Organic	Lacustrine	Talus
<input type="checkbox"/> Wetland	<input checked="" type="checkbox"/> Mineral Soil	Riverine	Crevice/Cave
<input type="checkbox"/> Aquatic	Parent Min.	Bottomland	Alvar
	Acidic Bedrock	Terrace	Rockland
	Basic Bedrock	Valley Slope	Beach/Bar
<b>History</b>	Carb. Bedrock	<input checked="" type="checkbox"/> Tableland	Sand Dune
<input checked="" type="checkbox"/> Natural		Roll, Upland	Bluff
<input type="checkbox"/> Cultural		Cliff	Bog
	<b>Site</b>		
	Open Water	<b>Plant Form</b>	
<input type="checkbox"/> Open	Shallow Water	Plankton	Forb
<input type="checkbox"/> Shrub	<input checked="" type="checkbox"/> Surficial Dep.	Submerged	Lichen
<input checked="" type="checkbox"/> Treed	Bedrock	Floating-Lvd.	Bryophyte
		Graminoid	<input checked="" type="checkbox"/> Deciduous

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	1	4	green ash > shagbark hickory
2 Sub-canopy	2	7	green ash freeman's maple > shag. hickory
3 Understorey			
4 Groundcover			

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

Size Class Analysis	A < 10	A 10-24	O 25-50	R > 50
Snags	R < 10	N 10-24	R 25-50	N > 50
Deadfall/Logs	< 10	10-24	25-50	> 50

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

Community Age	Pioneer	Young	<input checked="" type="checkbox"/> Mid-age	Mature	Old Growth
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PLANT SPECIES LIST

Layers: 1=canopy 2=sub-canopy 3=understorey 4=ground layer  
 Abundance Codes: R=rare O=occasional A=abundant D=dominant

Species	Layer				Sample	Species	Layer				Sample
	1	2	3	4			1	2	3	4	
green ash	A	A				reed canary grass					R
shagbark hickory	A	O				Canada goldenrod					O
freeman maple	R	O									

Other Notes (Landowner Contact, General Notes, etc.)

- deadfall unknown as a result of vantage point  
 - understory + groundcover not observable  
 - assessment completed from roadside (on hwy)  
 \* green ash suspected based on species associations, cannot determine for certain w/out access





Site: 1230 Adelaide  
 Polygon: WOD-035  
 UTM: 17T 044900 476 0423  
 Date: 2 Dec 2011 Time: 10:05  
 Surveyor(s): KNP, CM moderate  
 Weather: 0°C 100% cloud cover, snow, windspeed 3 from NW

Community Classification

Vegetation Type: Dry-Fresh White Ash-Hardwood deciduous forest  
 Inclusion:  
 Complex:

FODM4-2

Polygon Description

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

Stand Description

Layer	HT	Cover	Species
* Super-canopy	-	-	-
1 Canopy	2	4	White ash >> Sugar maple > Am Beech
2 Sub-canopy	3	4	White ash > Sugar maple > Am Beech
3 Understorey	4/5	3	White ash > Sugar maple
4 Groundcover	6/7	3	golden rod sp > aster sp.

HT Codes: 1: >25m 2: 25-10m 3: 10-2m 4: 2-1m 5: 1-0.5m 6: 0.5-0.2m 7: <0.2m

Cover Codes: 0:none 1: 0-10% 2: 10-25 3: 25-60% 4: >60%

Size Class Analysis	< 10	10-24	25-50	> 50
Snags	-	-	-	-
Deadfall/Logs	-	-	-	-

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

Community Age	Pioneer	Young	<input checked="" type="checkbox"/> Mid-age	Mature	Old Growth
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→ could not see from roadside location

PLANT SPECIES LIST

Site:  
 Polygon: See page 1  
 UTM:  
 Date: Time:  
 Surveyor(s):  
 Weather:

Layers: 1=canopy 2=sub-canopy 3=understorey 4=ground layer

Abundance Codes: R=rare O=occasional A=abundant D=dominant

Species	Layer				Sample	Species	Layer				Sample	
	1	2	3	4			1	2	3	4		
W. Ash	A	A	O			aster sp.					O	
Am Beech	O					golden rod sp.					O	
Sugar maple	O	O										

Wildlife and Other Notes

\* Roadside ELC due to restricted site access  
 \* Poor visibility due to snow  
 - eastern red fox



Site: 1236 Adelaide  
 Polygon: W0D-036  
 UTM: 17T 0437190 4760271  
 Date: 2 Dec 2011 Time: 11:30  
 Surveyor(s): KNP CM  
 Weather: 1°C, 100%cc, light snow, wind speed 2 from NW

Community Classification

Vegetation Type: Dry-fresh sugar maple-white ash deciduous forest  
 Inclusion:  
 Complex: FODMS-8

Polygon Description

System	Substrate	Topo Feature	Community
<input checked="" type="checkbox"/> Terrestrial	Organic	Lacustrine	Talus
<input type="checkbox"/> Wetland	<input checked="" type="checkbox"/> Mineral Soil	Riverine	Crevice/Cave
<input type="checkbox"/> Aquatic	Parent Min.	Bottomland	Alvar
	Acidic Bedrock	Terrace	Rockland
	Basic Bedrock	Valley Slope	Beach/Bar
History	Carb. Bedrock	<input checked="" type="checkbox"/> Tableland	Sand Dune
<input checked="" type="checkbox"/> Natural		Roll, Upland	Bluff
<input type="checkbox"/> Cultural		Cliff	Bog

Cover	Open Water	Plant Form
<input type="checkbox"/> Open	Shallow Water	Plankton
<input type="checkbox"/> Shrub	<input checked="" type="checkbox"/> Surficial Dep.	Submerged
<input checked="" type="checkbox"/> Tree	Bedrock	Floating-Lvd.
		Graminoid
		Forb
		Lichen
		Bryophyte
		<input checked="" type="checkbox"/> Deciduous
		Coniferous
		Mixed

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	2	3	sugar maple > w. ash
2 Sub-canopy	3	3	sugar maple > w. ash.
3 Understorey	4	3	sugar maple > w. ash
4 Groundcover	6	3	aster sp > golden rod sp > grass sp

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

Size Class Analysis	A < 10	A 10-24	O 25-50	N > 50
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

Community Age	Pioneer	Young	<input checked="" type="checkbox"/> Mid-age	Mature	Old Growth
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PLANT SPECIES LIST

Site:  
 Polygon: See page 1.  
 UTM:  
 Date: Time:  
 Surveyor(s):  
 Weather:

Layers: 1=canopy 2=sub-canopy 3=understorey 4=ground layer

Abundance Codes: R=rare O=occasional A=abundant D=dominant

Species	Layer				Sample	Species	Layer				Sample
	1	2	3	4			1	2	3	4	
W. Ash	A	A	O			Poison ivy vine					O
Sugar maple	A	A	O			grass sp					
						aster sp					
						golden rod sp.					

Wildlife and Other Notes

\* Roadside ELC.  
 Unknown, poor visibility



Site: 1230 Adelaide  
 Polygon: WOD-037  
 UTM:  
 Date: 2 Dec 2011 Time: 11:50  
 Surveyor(s): KNP CM  
 Weather: 1°C, 80% cloud cover, windspeed 4 from NW

Community Classification

Vegetation Type: Fresh-moist lowland deciduous forest  
 Inclusion:  
 Complex:

Polygon Description

System	Substrate	Topo Feature	Community
<input checked="" type="checkbox"/> Terrestrial	Organic	Lacustrine	Talus
<input type="checkbox"/> Wetland	Mineral Soil	Riverine	Crevice/Cave
<input type="checkbox"/> Aquatic	Parent Mtn.	Bottomland	Alvar
	Acidic Bedrock	Terrace	Rockland
	Basic Bedrock	Valley Slope	Beach/Bar
<input checked="" type="checkbox"/> Natural	Carb. Bedrock	Tableland	Sand Dune
<input type="checkbox"/> Cultural		<input checked="" type="checkbox"/> Roll, Upland	Bluff
	Site	Cliff	Bog

Cover	Open Water	Plant Form
<input type="checkbox"/> Open	Shallow Water	Plankton
<input type="checkbox"/> Shrub	<input checked="" type="checkbox"/> Surficial Dep.	Submerged
<input checked="" type="checkbox"/> Tree	Bedrock	Floating-Lvd.
		Graminoid
		Forb
		Lichen
		Bryophyte
		<input checked="" type="checkbox"/> Deciduous
		Coniferous
		Mixed

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	2	4	Freeman's maple > g. ash > w. elm
2 Sub-canopy	3	4	Freeman's maple > g. ash > w. elm
3 Understorey	4	4	Freeman's maple > g. ash > w. elm
4 Groundcover	4	4	Aster sp > Golden rod sp > phragmites

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

Size Class Analysis	A < 10	A 10-24	O 25-50	N > 50
Snags	R < 10	R 10-24	- 25-50	- > 50
Deadfall/Logs	O < 10	O 10-24	R 25-50	- > 50

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

Community Age	Pioneer	Young	<input checked="" type="checkbox"/> Mid-age	Mature	Old Growth
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poor visibility

PLANT SPECIES LIST

Site:  
 Polygon:  
 UTM: See page 1  
 Date:  
 Surveyor(s):  
 Weather:

Layers: 1=canopy 2=sub-canopy 3=understorey 4=ground layer

Abundance Codes: R=rare O=occasional A=abundant D=dominant

Species	Layer				Sample	Species	Layer				Sample
	1	2	3	4			1	2	3	4	
Freeman's maple	A	O	O			Aster sp				A	
Green Ash	A	O	O			golden rod sp				O	
Am. Birch	R	R				wild carrot				O	
w. elm	O	O				phragmites				O	
hop horn bean		O				poison ivy vine					

Wildlife and Other Notes

\* Roadside ELC due to restricted site access  
 -> classified as fresh-moist forest, but possibly a swamp. Very wet areas (w/ standing water pooling) are visible from the road, but there were recent heavy rains.



# NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 2

Site: ~~1231~~ ~~Bornish Wind~~ 1230 Adelaide  
 Polygon: ~~W00-049~~ W00-038  
 UTM: 0439416 - 4765792 17T  
 Date: Oct 27/11 Time: 16:45  
 Surveyor(s): MEE, WGW  
 Weather: temp: 7°C, precip = none, % cc = 10%, w = 2

### Community Classification

Vegetation Type: Dry-fresh sugar maple - oak  
 Inclusion: deciduous forest (FADMS-3)  
 Complex:

### Polygon Description

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

Roadside  
NO ACCESS

### Stand Description

Layer	HT	Cover	Species
* Super-canopy		n/a	
1 Canopy	2	4	sugar maple = oak sp. > Am. elm > white ash
2 Sub-canopy	3	—	sugar maple > oak sp. > Am. elm > white ash
3 Understorey	4-5	—	(unidentifiable)
4 Groundcover	6	—	goldenrod sp.

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

Size Class Analysis	A	10-24	O	25-50	>50
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

Community Age	Pioneer	Young	<input checked="" type="checkbox"/> Mid-age	Mature	Old Growth
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# NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 2 of 2

### PLANT SPECIES LIST

Site: ~~1231~~ ~~Bornish~~ 1230 Adelaide  
 Polygon: ~~W00-049~~ W00-038  
 UTM: 17T 0439416 - 4765792  
 Date: Oct. 27/11 Time: 16:45  
 Surveyor(s): MEE, WGW  
 Weather: temp: 7°C, precip none, 10% cc, wind 2

Layers: 1=canopy 2=sub-canopy 3=understorey 4=ground layer

Abundance Codes: R=rare O=occasional A=abundant D=dominant

Species	Layer				Sample	Species	Layer				Sample	
	1	2	3	4			1	2	3	4		
sugar maple	A	A										
white oak sp	A	A										
Am. elm	O	O										
basswood	O	O										
trembling aspen	R											
white ash	O	O										
red maple	R											
goldenrod sp.					A							

### Wildlife and Other Notes

Completed from Kerwood Road





Site: ~~Bonanza 1231~~ Adelaide 1230  
 Polygon: ~~W00-036~~ - Roadside W00-040  
 UTM: 0439803 4763491 17T  
 Date: October 12, 2011 Time: 15:32  
 Surveyor(s): WGW, HLW  
 Weather: 15°C, 100% cloud cover, wind 2, rain

Community Classification

Vegetation Type: FODMS-6 - Dry-Fresh Sugar Maple - Basswood Deciduous Forest  
 Inclusion:  
 Complex:

Polygon Description

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

Roadside  
NO access

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	2	4	Sugar Maple > basswood > black Walnut
2 Sub-canopy			
3 Understorey			
4 Groundcover			

too far to discern species

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

Size Class Analysis	< 10	A 10-24	O 25-50	N > 50
Snags				
Deadfall/Logs				

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

Community Age	Pioneer	Young	<input checked="" type="checkbox"/> Mid-age	Mature	Old Growth
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PLANT SPECIES LIST

Site: ~~Bonanza 1231~~ Adelaide 1230  
 Polygon: ~~W00-036~~ W00-040  
 UTM: 17T 0439803 4763491  
 Date: Oct. 12/11 Time: 15:32  
 Surveyor(s): WGW, HLW  
 Weather: 15°C, 100% c.c., wind 2, rain

Layers: 1=canopy 2=sub-canopy 3=understorey 4=ground layer

Abundance Codes: R=rare O=occasional A=abundant D=dominant

Species	Layer				Sample	Species	Layer				Sample
	1	2	3	4			1	2	3	4	
Sugar Maple	A	A	O			River black grape					
Black Walnut	O	O									
Basswood	O	O									
Gray Dogwood			O								
E. Buckthorn			O								
White spruce	O										
Red-shouldered			O								
White Pine			O								
Black Cherry	R										

Wildlife and Other Notes

- Roadside 50+ m away - wildlife sheet omitted - adjacent to stream

Site: ~~Ranish 1234~~ Adelaide 1230  
 Polygon: ~~WOD-035~~ WOD-041  
 UTM: 0439988 4769257 17T  
 Date: October 12, 2011 Time: 15:24  
 Surveyor(s): WGW, HLW  
 Weather: 15°C, cloud cover 100%, rain, wind 2

Community Classification

Vegetation Type: FOM - Mixed Forest  
 Inclusion:  
 Complex:

Polygon Description

System	Substrate	Topo Feature	Community
<input checked="" type="checkbox"/> Terrestrial	Organic	Lacustrine	Talus
<input type="checkbox"/> Wetland	Mineral Soil	Riverine	Crevice/Cave
<input type="checkbox"/> Aquatic	Parent Min.	<input checked="" type="checkbox"/> Bottomland	Alvar
	Acidic Bedrock	Terrace	Rockland
	Basic Bedrock	Valley Slope	Beach/Bar
<input checked="" type="checkbox"/> Natural	Carb. Bedrock	Tableland	Sand Dune
<input type="checkbox"/> Cultural		Roll, Upland	Bluff
	Site	Cliff	Bog
			Lake
			Pond
			River
			Stream
			Marsh
			Swamp
			Fen
			Bog
			Barren
			Meadow
			Prairie
			Thicket
			Savannah
			Woodland
			Forest
			Plantation

  

Cover	Open Water	Plant Form
<input type="checkbox"/> Open	Shallow Water	Plankton
<input type="checkbox"/> Shrub	<input checked="" type="checkbox"/> Surficial Dep.	Submerged
<input checked="" type="checkbox"/> Treed	Bedrock	Floating-Lvd.
		Graminoid
		Forb
		Lichen
		Bryophyte
		Deciduous
		Coniferous
		<input checked="" type="checkbox"/> Mixed

Stand Description

Layer	HT Cover	Species
* Super-canopy		
1 Canopy		
2 Sub-canopy		
3 Understorey		
4 Groundcover		

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

Size Class Analysis	< 10	A 10-24	N 25-50	N > 50
Snags	-	-	-	-
Deadfall/Logs	-	-	-	-

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

Community Age	Pioneer	Young	Mid-age	Mature	Old Growth
			<input checked="" type="checkbox"/>		

PLANT SPECIES LIST

Site: ~~Ranish 1234~~ Adelaide 1230  
 Polygon: ~~WOD-035~~ WOD-041  
 UTM: 17T 0439988 4769257  
 Date: Oct 12 2011 Time: 15:24  
 Surveyor(s): WGW, HLW  
 Weather: 15°C, C.C. 100%, rain, wind 2

Layers: 1=canopy 2=sub-canopy 3=understorey 4=ground layer

Abundance Codes: R=rare O=occasional A=abundant D=dominant

Species	Layer				Sample	Species	Layer				Sample
	1	2	3	4			1	2	3	4	
White spruce	D					Goldenrod sp.			O		
Willow sp.	O					Aster sp.			O		
Swamp Maple	A	O				Grasses sp.			O		
Black Walnut	O										
Red Pine	O										
White Birch	O										
Gray Sycamore			O								

Roadside  
NO access

too far away to discern species composition

Wildlife and Other Notes

- ELC completed trap roadside, NO access  
 - wildlife sheet omitted

Site: ~~1231 Bonnist~~ 1230 Adelaide  
 Polygon: ~~W00-024~~ - Roddside W00-042  
 UTM: 17T 0440164 - 4770012  
 Date: 12/10/2011 Time: 15:14  
 Surveyor(s): WGW - HLW  
 Weather: 15°C - Wind 1-S - CC:100% - Light Rain

Community Classification

Vegetation Type: Fresh - Moist Lowland Deciduous Forest (FDDMF)  
 Inclusion:  
 Complex:

Polygon Description

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

Roadside  
NO access

Stand Description

Layer	HT	Cover	Species
Super-canopy			
1 Canopy	2	4	Man. Maple = Sugar Maple = Black Walnut
2 Sub-canopy	3	4	Man. Maple = Sugar Maple
3 Understorey	-	-	- far away to discern species
4 Groundcover	-	-	

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

Size Class Analysis	<input checked="" type="checkbox"/> < 10	<input type="checkbox"/> 10-24	<input type="checkbox"/> 25-50	<input type="checkbox"/> > 50
Snags	<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

Community Age	<input type="checkbox"/> Pioneer	<input type="checkbox"/> Young	<input checked="" type="checkbox"/> Mid-age	<input type="checkbox"/> Mature	<input type="checkbox"/> Old Growth
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PLANT SPECIES LIST

Site: ~~1231 Bonnist~~ 1230 Adelaide  
 Polygon: ~~W00-024~~ W00-042  
 UTM: 17T 0440164 - 4770012  
 Date: 12/10/2011 Time: 15:14  
 Surveyor(s): WGW, HLW  
 Weather: 15°C, Wind 1 SW, CC: 100%, Light Rain

Layers: 1=canopy 2=sub-canopy 3=understorey 4=ground layer

Abundance Codes: R=rare O=occasional A=abundant D=dominant

Species	Layer				Sample	Species	Layer				Sample	
	1	2	3	4			1	2	3	4		
- Man. Maple	O	O										
- Red Pine	O											
- Oak sp.	R											
- Sugar Maple	O	O										
- BK Walnut	O											
- White Pine	R											
- Red cedar				O								

Wildlife and Other Notes

- Roadside - Avocado forest riparian at Kenwood Rd - road is  
 - Wildlife page omitted -  
 - red cedar trees appear to be planted