

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 2

Site: ~~1231~~ 1230 Adelaide
 Polygon: ~~WOD-033~~ - Roadside WOD-043
 UTM: 17T 0446366 - 4770852
 Date: 12/10/2011 Time: 14:53
 Surveyor(s): WGW-HLW
 Weather: 15°C Wind E-S - 100% - Moderate Rain

Community Classification

Vegetation Type: FODMS - Dry-fresh Sugar Maple Deciduous Forest
 Inclusion:
 Complex:

Polygon Description

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

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	N	D	K	F
< 10	0	0	0	0
10 - 24	0	0	0	0
25 - 50	0	0	0	0
> 50	0	0	0	0

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

Community Age: Pioneer Young Mid-age Mature Old Growth

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PLANT SPECIES LIST

Site: ~~1231~~ 1230 Adelaide
 Polygon: ~~WOD-033~~ WOD-043
 UTM: 17T 0440366 - 4770852
 Date: 12/10/2011 Time: 14:53
 Surveyor(s): WGW HLW
 Weather: 15°C, Wind 2 South, C. 100% moderate 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	0											
White ash	0	0										
-Black Walnut	0	0										

too far away to discern species composition

Wildlife and Other Notes

Roadside - too far species list omitted
 - East side of Kerwood
 - Riparian community

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

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ADELAIDE

Site: ~~Cowardin 1231~~ Adelaide 1230
 Polygon: ~~WOD-033~~ WOD-044
 UTM: 0440366 4770852 (from observation location) 17T
 Date: October 12, 2011 Time: 14:42
 Surveyor(s): WGW, HLW
 Weather: 15°C, 100% cloud cover, rain, wind 1

Community Classification

Vegetation Type: FODM5-Dry-Fresh Sugar Maple 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 Min.	Bottomland	Alvar
	Acidic Bedrock	Terrace	Rockland
	Basic Bedrock	Valley Slope	Beach/Bar
History	Carb. Bedrock	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	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

Road side, no access

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	2	—	—
2 Sub-canopy	3	—	—
3 Understorey	4	—	—
4 Groundcover	5	—	—

too far away to discern species composition

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	O 25-50	> 50
Snags	—	0	—	—
Deadfall/Logs	—	—	—	—

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

Community Age: Pioneer Young Mid-age Mature Old Growth

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

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PLANT SPECIES LIST

Site: ~~Belfish 1231~~ Adelaide 1230
 Polygon: ~~WOD-033~~ WOD-044
 UTM: 17T 0440366 4770852
 Date: Oct 12 2011 Time: 14:42
 Surveyor(s): WGW, HLW
 Weather: 15°C, 100% cloud cover, rain, wind 1

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	O	O				Goldenrod sp.				O	
White Ash	O	O				Aster sp.				O	
Staghorn Sumac											
WINDY SP.		O									
Basswood		O									
Gray Pambark		O									

Wildlife and Other Notes

- ELC completed from roadside, no access

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

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NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 2 of 2

Site: Bornish /1230 Adelaide, WOD-045
 Polygon: WOD-038
 UTM: 0440877 4773032
 Date: October 12, 2011 Time: 15:59
 Surveyor(s): WGW, HLW
 Weather: 15°C, 100% cloud cover, rain, wind 1

Community Classification

Vegetation Type: FORM 6 Naturalized coniferous plantation
 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
History	Carb. Bedrock	Tableland	Sand Dune
<input type="checkbox"/> Natural		Roll. Upland	Bluff
<input checked="" type="checkbox"/> Cultural		Cliff	Bog
	Site		<input checked="" type="checkbox"/> Plantation

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

Stand Description

Layer	HT	Cover	Species
• Super-canopy			
1 Canopy	2	3	—
2 Sub-canopy	3	3	—
3 Understorey	4/5	3	—
4 Groundcover	6/7	3	—

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	C 25-50	N > 50
Snags	-	-	-	-
Deadfall/Logs	-	-	-	-

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

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

Site: Bornish /1230 Adelaide, WOD-045
 Polygon: WOD-038
 UTM: 0440877 4773032
 Date: October 12, 2011 Time: 15:59
 Surveyor(s): WGW, HLW
 Weather: 15°C, 100% cloud cover, rain, wind 1

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	
<u>White Birch</u>	O	O				<u>Grasses sp</u>					A
<u>Scotspine</u>	A	O				<u>Teasel</u>					O
<u>White Pine</u>	A	O									
<u>Basswood</u>	O										

*Roadside
No access*

*too far
away to
discern
species
composition*

Wildlife and Other Notes

- ELC completed from roadside, no access



NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 4

Site: 1231 Barnish / 1230 Adelaide, WOOD-047
 Polygon: WOOD-048 - Roadside
 UTM: 0441725 4776525 17T
 Date: 12/10/2011 Time: 12:10
 Surveyor(s): WGW, HLW
 Weather: 15°C Wind 1-SW, CC: 100%, No precip.

Community Classification

Vegetation Type: W04MM4 - fresh-moist mixed woodland
 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	Besch/Bar
<input checked="" type="checkbox"/> Natural	Carb. Bedrock	Tableland	Sand Dune
<input type="checkbox"/> Cultural		Roll, Upland	Bluff
	Site	Cliff	Bog
Cover	Open Water	Plant Form	
<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	Deciduous

Tree with open area in flood plain
 Roadside ELC NO ACCESS

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	2	3	White ash > scots pine
2 Sub-canopy	2.5	2	Red pine > com. apple > red cedar
3 Understorey	3	2	Com. apple > red cedar
4 Groundcover	5	4	Solidago = 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	0	< 10	A	10-24	D	25-50	> 50
Snags	0	< 10	0	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	Mid-age	Mature	Old Growth
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NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

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PLANT SPECIES LIST

Site: 1231 Barnish / 1230 Adelaide, WOOD-047
 Polygon: WOOD 048
 UTM: 17T 0441725 4776525
 Date: 13/10/2011 Time: 12:10
 Surveyor(s): WGW, HLW
 Weather: 15°C Wind 1-SW, CC: 100%, no precip.

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 Ash	O					White ash					A
Red cedar		O	A			Solidago					A
Scots pine		O				Tenax					O
Com. Maple	O					W. Aster					O
Com. Apple		O	A			Phacelia					O
Juniper			O			Riparian grass					R
Staghorn sumac				R		Burdock					O
						Typha sp.					O

Wildlife and Other Notes

Roadside ELC
 Riparian community - 40-50% tree cover

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

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Site: Bornish 1231 / Adelaide 1230, WOD-047
 Polygon: WOD-047
 UTM: 17T E: 0441725 N: 4776525
 Date: October 12, 2011 Time: 12:10
 Surveyor(s): WGW, HLW
 Weather: 15°C, 100% cloud cover, no rain, wind 1 from SW

Species Observed					Check for Wildlife Habitat that may be associated with an observation				
TY	Species	EV	Notes	#	TY	Species	EV	Notes	#
B	Am. Crow	NO		1					
F	Blue Jay	NO		1					
L	Meadow Lark	OB		1					
R	Blue Jay	OB		1					

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.

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Site: Bornish 1231 / Adelaide 1230, WOD-047
 Polygon: WOD-047
 UTM: 17T E: 0441725 N: 4776525
 Date: October 12, 2011 Time: 12:10
 Surveyor(s): WGW, HLW
 Weather: 15°C, 100% cloud cover, no rain, wind 1 from SW

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

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

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

Habitat Feature:	UTM	Description
<u>Concrete slabs</u>	<u>0441751 4776521</u>	<u>5' wide x 3' deep x 3' high</u>
<u>Several swags</u>	<u>throughout polygon</u>	<u>approx 15-20 dm</u>

Describe Valley (depth, geomorphological traits):
 - Wide valley, watercourse through centre

Additional Details:
 - Roadside ELL

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

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Site: 1231 Barnish / 1230 Adelaide, WOD-048
 Polygon: WOD-004
 UTM: 17T 0442379 4775637
 Date: 25 Aug 2011 Time: 09:30
 Surveyor(s): KNP, JRW
 Weather: 20°C, 60% cloud cover, windspeed 4 from W

Community Classification

Vegetation Type: WODM5 - fresh-moist deciduous woodland
 Inclusion: Buckthorn Deciduous shrub Thicket (THDM 2-6)
 Complex: Dry-Fresh sugar maple-white ash deciduous forest (EODM5-8)
 Dry-Fresh Forb Meadow ecotone (MEFM1)

Polygon Description

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

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
		Coniferous
		Mixed

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	2	3	Green/White ash > Sugar maple > Red oak > Willow sp
2 Sub-canopy	3	4	Buckthorn > ^{Green} White ash > Hawthorn > Am Beech > White elm
3 Understorey	4/5	4	Buckthorn > Solidago sp > aster sp > White ash
4 Groundcover	6/7	3	garlic mustard > aster sp > poison ivy > white ash

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	1 10-24	2 25-50	3 > 50
Snags	R	R	R	N
Deadfall/Logs	0	R	R	N

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

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PLANT SPECIES LIST

Site: 1231 Barnish / 1230 Adelaide, WOD-048.
 Polygon: WOD-004
 UTM: 17T 442379 4775637
 Date: 25 Aug 2011 Time: 09:30
 Surveyor(s): KNP, JRW
 Weather: 20°C, 60% cloud cover, windspeed 4 from W

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 ash	0	0	0	0		river bank sedge				R	
Green ash	0	0	R			Solidago sp.		0	0		
White Elm	R	R	R			virginia creeper				0	
Buckthorn		A	0			white raybroom				0	
Red ash		R				garlic mustard				A	
Hawthorn sp.		0				rough oyster				0	
Willow sp.	R					white strawberry				0	
Am. Beech		0	0			air jenny sp.				0	
Sugar Maple	0	R	0			Teasel				R	
Aspen	R	R				Wild indigo				R	
Red oak	R	R	R			Queen Anne's lace				R	
dogwood sp.		0				white sweet clover				R	
Spiky ash			R			aster sp.				A	
Nannyberry		R				ston orchid				A	
Shagbark hickory	R					burdock				R	
Rosinwood	R	R	R			thistle sp.				R	
Hop hornbeam	R					cow vetch.				R	
						plantain				R	
						herb robert				R	
						Poison ivy				0	
						red clover				R	
						dandelion				R	

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

Substantial creek runs through WOD-004 and the site is a deciduous floodplain

Site: BORNH WF #1231 / 1230 Adelaide, WOD-048.
 Polygon: WOD-004
 UTM: 17T 044 2379 4775637
 Date: Sept. 19/11 Time:
 Surveyor(s): NEM, SAG
 Weather: C-C: 100%, light rain, temp: 16°C, Wind: W2

Community Classification

Vegetation Type: fresh-moist deciduous woodland WODM5
 Inclusion:
 X Complex: Buckthorn deciduous shrub thicket
 dry-fresh sugar maple-white ash deciduous forest
 dry-fresh forb meadow prostrate

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	<input checked="" type="checkbox"/> Riverine	Crevice/Cave	Pond	Meadow
<input type="checkbox"/> Aquatic	Parent Min.	Bottomland	Alvar	River	Prairie
History		Acidic Bedrock	Terrace	Rockland	Thicket
		Basic Bedrock	Valley Slope	Beach/Bar	Savannah
<input checked="" type="checkbox"/> Natural	Carb. Bedrock	Tableland	Sand Dune	<input checked="" type="checkbox"/> Swamp	Woodland
<input type="checkbox"/> Cultural		Roll. Upland	Bluff	Fen	Forest
		Site	Cliff	Bog	Plantation
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 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	10-24	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	Mid-age	Mature	Old Growth

Soils	1	2	3
Position:	5	7	11
Aspect:	-	1	1
%	0		
Type:	5		
Class:	A		

Polygon: WOD-004

Tree Tally

Species	Tally 1	Tally 2	Tally 3
Total:			
Basal Area			
Snags			

Strata: Texture	S: C		
Depth	120		
Strata: Texture	1		
Depth	1		
Strata: Texture	1		
Depth	1		
Strata: Texture	V		
Depth	V		
Effective Texture	S: C		
Surface Stoniness	-		
Surface Rockiness	-		
Depth to:			
Mottles	-		
Gley	40cm		
Bedrock	-		
Water table	-		
Carbonates	45		
Depth of Organics	5		
Pore Size Disc #1	5		
Pore Size Disc #2	-		
Pore Size Disc #3	-		
Moisture Regime	5		

(Moist)

NOTES:

Substrate:
 D11 Deep, clayey, moist
 (D11mk)
 Photos # 1208-1209

* Soils only *

see p. 1 & 6

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

Page 5 of 6

Site: Rornish WE 1231 / 1230 Adelaide, WOD-048
 Polygon: WOD 004
 UTM: 17T 442379 4775637
 Date: 25/08/11 Time: 9:20
 Surveyor(s): TRW, KNP
 Weather: Sunny 20°C CC=60% Wind=4

Species Observed					Check for Wildlife Habitat that may be associated with an observation				
TY	Species	EV	Notes	#	TY	Species	EV	Notes	#
B	Mourning Dove	VO		2					
M	Myio sp	OB		1					
B	Gold Finch	VO		2					
L	Bullfinch sp	OB		1					
B	Am Robin	OB		1					
B	Great catbird	VO		1					
L	Partridge white	OB		1					
M	Deer	TK		1					
H	Green Frog	VO		1					
M	Common d	VO	5ms	1					
B	E. Woodpecker	VO		1					
B	Co. Woodpecker	OB		3					
B	Scrubwren	VO		1					

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 6 of 6

Site: 1231 Rornish / 1230 Adelaide, WOD-048
 Polygon: WOD 004
 UTM: 17T 442379 4775637
 Date: 25/08/11 Time: 9:20
 Surveyor(s): TRW, KNP
 Weather: Sunny 20°C CC=60% Wind=4

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 checked="" type="checkbox"/> Deciduous Forest	Birds
<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 checked="" 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	Bats
(Shallow & Open)	<input type="checkbox"/> Cave Entrance
<input type="checkbox"/> Meadow	<input type="checkbox"/> Mine Shaft
<input type="checkbox"/> Tallgrass Prairie	<input checked="" type="checkbox"/> Snag (>20cm DBH)
<input type="checkbox"/> Thicket	Mink/Otter/Fisher/Marten
<input type="checkbox"/> Savannah	<input type="checkbox"/> Snag
<input type="checkbox"/> Woodland	<input type="checkbox"/> Burrow
<input checked="" 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)	Invertebrates
<u>Valley w</u>	<input type="checkbox"/> Crayfish Chimney
<u>creek running</u>	
<u>through</u>	
<u>margin of swamp.</u>	

Snakes
 Burrow
 Fallen Rotting Log
 Old Well
 Rock Pile/Stone Wall
 Organics Pile
 Log Pile
 Karst
 Broken/Fissured Rock
 Old Foundation
 Old Bridge/Concrete Culvert

Amphibians and Turtles
 Vernal Pool/Woodland Pond (Amphibian Breeding)
 Sand (Turtle Nesting)
 Fine/Sandy Gravel (Turtle Nesting)

Deer/Moose
 Seep/Spring
 Mineral Lick

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

Habitat Feature:	UTM	Description
<u>rock pile</u>	<u>17T 042103</u> <u>4776237</u>	<u>large cement rock brick</u> <u>pile - to be investigated CM</u>
<u>bird snag</u>	<u>210m east of</u> <u>rock pile</u>	<u>-end snag in cavity &</u> <u>nesting hole</u>
<u>vernal pond</u>	<u>17T 042131</u> <u>4776141</u>	<u>-marshy vernal pond</u> <u>-looks like vernal pond</u>
<u>snag</u>	<u>17T 042288</u> <u>4775941</u>	<u>dried up</u> <u>-snag in cooling bank</u> <u>near to open field</u>

Describe Valley (depth, geomorphological traits):

Additional Details:

100-1296 = Vernal pool
1297 = creek



NATURAL RESOURCE SOLUTIONS INC.

Aquatic, Terrestrial and Wetland Biologists

Wetland Vegetation Communities

Project Name: Barnish / 1230 Adelaide Project #: 1231

Observer(s): PWD, KNP WOP-04B

Date: Sept 30, 2011 Time (24h): 09:45

Field #: W10D004 Weather: Precipitation: Light Temp (°C): 16

Map Code: --- Wind Speed & Direction: 4/W Cloud %: 100

Wetland Type: NOT WETLAND Site Type: Riverine Dominant Form: Treed

% Open Water: 0 ELC Code: WODM5

Photos: 0596 - 0599

Forms % (Circle those $\geq 25\%$) Species (dominant species, secondary species, present species)

h White Elm 5% Russw. 1% Sugar Maple 60% Shagbark Hickory 1% Green Ash 1% Am. Beech 5%

c ---
dc (dh), ds White Elm 1%

ts F. Bushhorn 5%

ls F. Bushhorn 1%

gc Poison Ivy 1% Wet. Robert 5% Cornspike 5%

ne ---

be ---

re ---

ff ---

f ---

su ---

m ---

Soil type:

Organic Mineral

Rare Species (Local, Regional, Provincial):

Blue Jay

Wildlife Notes:

SAR observations must also include a specific UTM location.

Forms: h=deciduous trees; c=coniferous trees; dh, dc, ds=dead trees/shrubs; ts=tall shrubs; ls=low shrubs; gc=ground cover; ne=narrow emergents; be=broad emergents; f=floating plants; ff=free-floating plants; su=submerged plants; m=mosses

Wetland Type: S=swamp; M=marsh; B=bog; F=fen

Site Type: L=lacustrine; P=palustrine; R=riverine; IS=isolated

Soil type: cl=clay/loam; sl=silt/loam; l=limestone; s=sand; hm=humic/mesic; f=fibric; g=granite Organic=>60cm depth over mineral (>10cm over bedrock) Mineral=<60cm depth over mineral

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 2

Site: 1231 Barnish / 1230 Adelaide, WOD-049
 Polygon: WOD-047 - Roadside
 UTM: 17T 0443146 - 4776201
 Date: 13/10/2011 Time: 11:30
 Surveyor(s): JGW - HLW
 Weather: 15°C - Wind 1-SW - CC100% no precip.

Community Classification

Vegetation Type: WOD MS - Fresh - Moist Deciduous Woodland
 Inclusion:
 Complex:

Polygon Description

System	Substrate	Topo Feature	Community
<input checked="" type="checkbox"/> Terrestrial	Organic	Lacustrine	Talus
<input type="checkbox"/> Wetland	Mineral Soil	<input checked="" type="checkbox"/> Riverine	Crevise/Cave
<input type="checkbox"/> Aquatic	Parent Min.	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
		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"/> Tree	Bedrock	Floating-Lvd.
		Graminoid
		Forb
		Lichen
		Bryophyte
		Deciduous
		Coniferous
		Mixed

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	2	3	Black locust >> silver poplar - scots pine
2 Sub-canopy	3	3	Black locust >> silver poplar - scots pine
3 Understorey	3/4	2	- Red pine > Red cedar > com. bark horn
4 Groundcover	4	2	- Typha = Solidago = 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: 25-50% 4: >50%

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

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

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

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 2 of 2

PLANT SPECIES LIST

Site: 1231 Barnish / 1230 Adelaide, WOD-049
 Polygon: WOD 047
 UTM: 17T 0443146 4776201
 Date: 13/10/2011 Time: 11:30
 Surveyor(s): JGW HLW
 Weather: 15°C wind 1-SW. CC 100%, no precip.

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	
- Red Cedar		O	O			Solidago sp.					A
Scots Pine		O	O			WE Aster					O
Silver poplar		O	O			Typha sp.					A
Irem. Asan		O	O			Whit. Aster sp.					R
Sugar Maple			O			wild carrot					O
Black Locust		A	A			Teasel					R
Com. Lilac				R		grass sp.					A
Com. Barkhorn				O							
Sweetgum											
Black Maple				R							
Com Apple				R							

Woodland

Wood/Stream

Com.

Roadside
No access

Wildlife and Other Notes

- Roadside ELC
 - Riparian - community
 - Spring Peeper - V.O. 2+ individuals

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 2

Site: Bornish / 1230 Adelaide, WOD-050
 Polygon: WOD-046
 UTM: 0443930 4776006 (observation location) 17T
 Date: October 13, 2011 Time: 11:22
 Surveyor(s): WGW, HLW
 Weather: 15°C, 100% cloud cover, wind 1 from SW, no precip.

Community Classification

Vegetation Type: FDDMS-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
<input type="checkbox"/> Wetland	Mineral Soil	Riverine	Crevise/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
			Lake
			Pond
			River
			Stream
			Marsh
			Swamp
			Fen
			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
		<input checked="" type="checkbox"/> Deciduous
		Coniferous
		Mixed

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	2		<u>Sugar Maple > Basswood</u>
2 Sub-canopy	3		<u>Basswood > Sugar Maple</u>
3 Understorey	4		
4 Groundcover	5/6		

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	D 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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NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 2 of 2

PLANT SPECIES LIST

Site: Bornish / 1230 Adelaide, WOD-050
 Polygon: WOD-046
 UTM: 0443930 4776006 17T
 Date: October 13, 2011 Time: 11:22
 Surveyor(s): WGW, HLW
 Weather: 15°C, 100% cloud cover, wind 1 from SW, no precip.

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	
<u>Sugar Maple</u>	<u>O</u>	<u>A</u>	<u>O</u>			<u>Goldrod sp.</u>				<u>O</u>	
<u>Basswood</u>	<u>O</u>	<u>O</u>									
<u>Rur Oak</u>	<u>O</u>		<u>O</u>								
<u>Silver Maple</u>	<u>O</u>	<u>O</u>									
<u>Sheepshank Hickory</u>	<u>O</u>	<u>O</u>									

*Roadside
No access*

Wildlife and Other Notes

ELC completed roadside, no access

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 4

Centre Rd & Nairn - boundaries Z

Site:	1231 Barnish / 1230 Adelaide, WOD-051		
Polygon:	WOD-024		
UTM:	17T 0446284 4774818		
Date:	05/10/2011	Time:	14:30
Surveyor(s):	WGW, KNP		
Weather:	21°C - Wind 2 SW - CC - S%		

Community Classification

dry fresh

Vegetation Type:	FODM4-7 A white ash - hardwood 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
History	Basic Bedrock	Valley Slope	Beach/Bar	Marsh	Savannah
<input checked="" type="checkbox"/> Natural	Carb. Bedrock	<input checked="" type="checkbox"/> Tableland	Sand Dune	Swamp	Woodland
<input type="checkbox"/> Cultural		Roll. Upland	Bluff	Fen	<input checked="" type="checkbox"/> Forest
	Site	Cliff		Bog	Plantation

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
2 Sub-canopy	3	3	Shag. Hickory > Sugar Maple > red oak
3 Understorey	4/5	3	red raspberry > common buckthorn > Aster sp.
4 Groundcover	6	3	wild strawberry = poison Ivy

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	D	25 - 50	R	> 50
Snags	R	< 10	O	10 - 24	R	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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NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 2 of 4

PLANT SPECIES LIST

Site:	1231 Barnish / 1230 Adelaide, WOD-051		
Polygon:	WOD-024		
UTM:	17T 0446284 4774818		
Date:	05 October 2011	Time:	14:30
Surveyor(s):	WGW, KNP		
Weather:	21°C, c: 0.59, wind 2 from SW		

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 ash	A	A	O			- slag. sumac				2	
- red pine	R					- wild carrot				A	
- red oak	R	O	R			- red raspberry				A	
- white spruce	R					- sweet wood				O	O
- Shag. Hickory	R	A				- S. maple				MA	
- cornus sp.			A			- Ar. forest				O	
- Tamarac		O	O			- Ragweed				O	O
- Yellow Birch	R					- Bergamot				O	
- Common Buckthorn	R	A				- Burnside				O	
- Trembling Aspen	R	R				- Wild strawberry				O	
- Red/White Maple	O	A				- Poison Ivy				A	
- Boxwood	O	O				- Red clover				K	
- Sugar Maple	A	A	O			- Dandelion				O	
- Black cherry	R	R				- Mullein				O	
- Marsh blackberry	R					- velvet leaf				R	
- carnation		R				- wood sorrel				O	
- Garlic Mustard	O					- R. rose				O	O
- Currant sp.	R	R				- Rough-Avens				R	
- Purple stem. Aca	A					- Solonchik seal				O	
						- Wild-rum. straw				R	
						- black raspberry				R	
						- meadow rue				R	R
						- sm wh Aster				A	

- Herb robert R

Wildlife and Other Notes

- had access just to forest edge - full ELC not completed

No access

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

Page 3 of 4

Site: 1231 Barnish / 1230 Adelaide, WOD-051
 Polygon: WOD-024
 UTM: 17T 0446284 4774818 Elev 225m
 Date: 5 Oct 2011 Time: 14:30
 Surveyor(s): KNP, W/G/W
 Weather: 21°C, 59°C, wind 2 from SW

Species Observed					Check for Wildlife Habitat that may be associated with an observation				
TY	Species	EV	Notes	#	TY	Species	EV	Notes	#
L	Cabbage White	DB		2+					
B	Blue Jay	VO		2+					
M	Raccoon	TK	1 set	1					
L	Pearl Crescent	DB		1					

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: 1231 Barnish / 1230 Adelaide, WOD-051
 Polygon: WOD-024
 UTM: 17T 0446284 4774818
 Date: 5 Oct 2011 Time: 14:30
 Surveyor(s): KNP, W/G/W
 Weather: 21°C, 59°C, wind 2 from SW

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

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

Habitat Feature:	UTM	Description
Snag > 20cm dbh	No cavities of exfoliating bark, not candidate SWH	

Describe Valley (depth, geomorphological traits):

Additional Details:

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 4

Site: 1231 Barnish / 1230 Adelaide, WOD-052
 Polygon: WOD 045 Road side
 UTM: 17T 0451188 - 4774319
 Date: 13/10/2011 Time: 11:00
 Surveyor(s): WGW, HLW
 Weather: 15°C - Wind 1-SW - CI: 100%, no precip.

Community Classification

Vegetation Type: naturalized coniferous plantation
 Inclusion: (EoCMA)
 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.	Bottomland	Alvar
	Acidic Bedrock	Terrace	Rockland
	Basic Bedrock	Valley Slope	Beach/Bar
History	Carb. Bedrock	Tableland	Sand Dune
<input type="checkbox"/> Natural		Roll, Upland	Bluff
<input checked="" type="checkbox"/> Cultural		Cliff	Bog
	Site		Plantation
Cover	Open Water	Plant Form	
<input type="checkbox"/> Open	Shallow Water	Plankton	Forb
<input type="checkbox"/> Shrub	Surficial Dep.	Submerged	Lichen
<input checked="" type="checkbox"/> Tree	Bedrock	Floating-Lvd.	Bryophyte
		Graminoid	Deciduous
			<input checked="" type="checkbox"/> Coniferous
			<input type="checkbox"/> Mixed

Roadside
NO access

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	3	4	White Spruce
2 Sub-canopy	3	3	- White cedar → red cedar
3 Understorey	4	2	- grey dogwood = willow sp.
4 Groundcover	5	2	- Salix sp. grass sp. → river bank grass

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	Mid-age	Mature	Old Growth
			<input checked="" type="checkbox"/>		

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 2 of 4

PLANT SPECIES LIST

Site: 1231 Barnish / 1230 Adelaide, WOD-052
 Polygon: WOD 045
 UTM: 17T 0451188 4774319
 Date: 13/10/2011 Time: 11:00
 Surveyor(s): WGW, HLW
 Weather: 15°C, wind 1-SW, C.R 100%, no precip.

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		
G. Wt Cedar		A				River bank grass					O	
White Spruce	A					Salix sp.					A	
C. Red Cedar		R				grass sp.					A	
grey dogwood			O			White Aster sp.					R	
Willow sp.			O			Taraxacum					R	
						Mullein					R	
						Typha sp.					R	
						Wid. card.					O	

Wildlife and Other Notes

- Roadside
 - Deciduous woodlot North of Plantations - 200m back
 - County managed woodlot
 - Polygon mapped on 3a

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

Site: Bornich 1231 / 1230 Adelaide, WOD-052
 Polygon: WOD-045
 UTM: 04S1188 4774319 (from observation print) 171
 Date: October 13, 2011 Time: 11:03
 Surveyor(s): WJGW, HLW
 Weather: 15°C, 100% cloud cover, wind 1 from SW, no precip.

Species Observed					Check for Wildlife Habitat that may be associated with an observation				
TY	Species	EV	Notes	#	TY	Species	EV	Notes	#
B	Am. Crow	OB							
B	Blue Jay	VD							
B	Turkey Vulture	VB							

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.

Site: BORNICH 1231 / 1230 Adelaide, WOD-052.
 Polygon: WOD 045
 UTM: 171 04S1188 4774319
 Date: OCT. 13, 2011 Time: 11:03
 Surveyor(s): WJGW, HLW
 Weather: 15°C, 100% cloud cover, wind 1 - SW, no precip.

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	Birds
<input type="checkbox"/> Mixed Forest	<input type="checkbox"/> Spring Flooded Field
<input checked="" 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 <u>platt</u>	<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	Bats
(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	Mink/Otter/Fisher/Marten
<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)	Amphibians and Turtles
	<input type="checkbox"/> Vernal Pool/Woodland Pond (Amphibian Breeding)
	<input type="checkbox"/> Sand (Turtle Nesting)
	<input type="checkbox"/> Fine/Sandy Gravel (Turtle Nesting)
	Invertebrates
	<input type="checkbox"/> Crayfish Chimney
	Deer/Moose
	<input type="checkbox"/> Seep/Spring
	<input type="checkbox"/> Mineral Lick
	Snakes
	<input type="checkbox"/> Burrow
	<input type="checkbox"/> Fallen Rotting Log
	<input type="checkbox"/> Old Well
	<input type="checkbox"/> Rock Pile/Stone Wall
	<input 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

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

Habitat Feature:	UTM	Description

Describe Valley (depth, geomorphological traits):

Additional Details: roadside, no access

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 4

Site: Bornish 1231 / Adelaide 1230, WOD-053
 Polygon: WOD 052
 UTM: 17T 0452983 4774566
 Date: Dec 2/11 Time: 15:14
 Surveyor(s): CM KNP
 Weather: 1°C, 50% C.C., Wind 3 from N, NO precip.

Community Classification

Vegetation Type: Dry-fresh white ash-hardwood deciduous forest
 Inclusion: Eur. burkthorn thicket + THDM2-6 FODM4-2
 Complex:

Polygon Description

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

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

Stand Description

Layer	HT	Cover	Species
* Super-canopy	-	-	-
1 Canopy	2	4	W. ash > S. maple > W. elm
2 Sub-canopy	3	3	S. maple > W. ash > W. elm
3 Understorey	4	3	Eur. burkthorn > silky dogwood
4 Groundcover	5	3	Grass sp. > red canal grass > goldenrod

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	0	0	R	N
Deadfall/Logs	A	0	0	N

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

Community Age: Pioneer Young Mid-age Mature Old Growth

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 2 of 4

PLANT SPECIES LIST

Site: _____
 Polygon: _____
 UTM: See p. 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	
Eur. burkthorn		O				Red osier dogwood				R	
Wh. elm	R	R				goldenrod sp.				O	
Sugar maple	O	O				grass sp.				O	
Wh. ash	O	O				Riverbank kiwifruit				R	
Am. beech		R				Common buckeye				R	
S. white pine		R				red canal grass				R	
Red oak		R				Silky dogwood				O	
Apple sp.		R									

Wildlife and Other Notes

0917 - to 10 - silky dogwood

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

Site: 1231 Borchers / 1231D Adelaide, W00-053.
 Polygon: W00-053
 UTM: 17T 0452483 4774566
 Date: 2 Dec 2011 Time: 15:15
 Surveyor(s): KNP CM
 Weather: 10C, 40% relative humidity, Wind speed 3 km/hr

Species Observed					Check for Wildlife Habitat that may be associated with an observation				
TY	Species	EV	Notes	#	TY	Species	EV	Notes	#
M	White-tailed deer	TK		:					
M	Raccoon	CA		:					
B	Blue Jay	OB		:					
B	House sparrow	OB		:					
B	Am. Gold Finch	OB		:					

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.

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

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

Habitat Feature:	UTM	Description
<u>No candidate</u>	<u>significant wildlife habitat observed.</u>	

Describe Valley (depth, geomorphological traits):
 - width is variable; banks variable slope from gentle to steep
 - watercourse present

Additional Details:

Site: Bornish 1231 / Adelaide 123D, W00-055
 Polygon: W00 051
 UTM: 17T 0441190 4775848
 Date: Dec 2/11 Time: 14:17
 Surveyor(s): SM KNP
 Weather: 2°C, 70% c.c. wind 3 from N, no precip.

Community Classification

Vegetation Type: Dry-fresh sugar maple-hickory deciduous forest
 Inclusion:
 Complex:

deciduous forest
FODMS-5

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

Polygon Description

System	Substrate	Topo Feature	Community			
<input checked="" type="checkbox"/> Terrestrial	Organic	Lacustrine	Talus	Lake	Barren	
<input type="checkbox"/> Wetland	<u>?</u> 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	
History	Carb. Bedrock	<input checked="" type="checkbox"/> 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	

Cover	Open Water	Plant Form		
<input type="checkbox"/> Open	Shallow Water	Plancton	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	<u>S. maple > Shadblow hickory > Am. beech</u>
2 Sub-canopy	3	3	<u>S. maple > Am. beech > hop hornbeam</u>
3 Understorey	4	2	<u>goldenrod & raspberry</u>
4 Groundcover	5	3	<u>grass so. & garlic mustard</u>

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	0	0	R	N
Deadfall/Logs	0	A	0	N

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:
 UTM: See p. 1
 Date: Time:
 Surveyor(s):
 Weather:

Abundance Codes:

R=rare O=occasional A=abundant D=dominant

Species	Layer				Sample	Species	Layer				Sample
	1	2	3	4			1	2	3	4	
<u>W. elm</u>	R	R				<u>goldenrod sp.</u>			O		
<u>Sugar maple</u>	O	A				<u>Aster sp.</u>			R		
<u>Am beech</u>	O	O				<u>garlic mustard</u>				O	
<u>Lib ash</u>	R	R				<u>Wild Fod. Raspberry</u>			R		
<u>Shadblow hick</u>	O	O				<u>grass sp.</u>				O	
<u>hop hornbeam</u>	R	R									

Wildlife and Other Notes

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

Page 3 of 4

Site: 1231 Bannister / 1230 Adelaide, WOD-055
 Polygon: WAD-055
 UTM: 177 044 1190 477 5848
 Date: 2 Dec 2011 Time: 14:15
 Surveyor(s): KNP / M.
 Weather: 2°C, cloudy, 40° wind speed 2 from NW

Species Observed					Check for Wildlife Habitat that may be associated with an observation				
TY	Species	EV	Notes	#	TY	Species	EV	Notes	#
M	Squirrel (tree)	EB		1					
M	W-tailed tit	TK		1					

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- Anxient 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: _____
 UTM: See page 3 _____
 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 checked="" type="checkbox"/> Deciduous Forest	Birds
___ Mixed Forest	___ Spring Flooded Field
___ Coniferous Forest	___ Stick Nest (Raptors, Herons)
___ Marsh	<input checked="" type="checkbox"/> Snag (Raptors, Herons)
___ Swamp	___ Tree Cavity Nest (Ducks)
___ Bog	___ Seep/Spring (Turkeys/Grouse)
___ Fen	___ Cliffs/Banks
___ Water (Shallow & Open)	Bats
___ Meadow	___ Cave Entrance
___ Tallgrass Prairie	___ Mine Shaft
___ Thicket	___ Snag (>20cm DBH)
___ Savannah	Mink/Otter/Fisher/Marten
___ Woodland	___ Snag
___ Valley (Describe Below)	___ Burrow
___ Headwater Area (check for Seeps/Springs)	___ Den
	___ Tree Cavity
	<input checked="" type="checkbox"/> Fallen Log
	Deer/Moose
	___ Seep/Spring
	___ Mineral Lick
	Snakes
	___ Burrow
	___ Fallen Rotting Log
	___ Old Well
	___ Rock Pile/Stone Wall
	___ Organics Pile
	___ Log Pile
	___ Karst
	___ Broken/Fissured Rock
	___ Old Foundation
	___ Old Bridge/Concrete Culvert
	Amphibians and Turtles
	___ Vernal Pool/Woodland Pond (Amphibian Breeding)
	___ Sand (Turtle Nesting)
	___ Fine/Sandy Gravel (Turtle Nesting)
	Invertebrates
	___ Crayfish Chimney

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

Habitat Feature:	UTM	Description
Fallen log	Several throughout woodland	Not Candidate SWH
Snag < 25cm dbh	Several throughout woodland	Not Candidate SWH

Describe Valley (depth, geomorphological traits):

Additional Details: