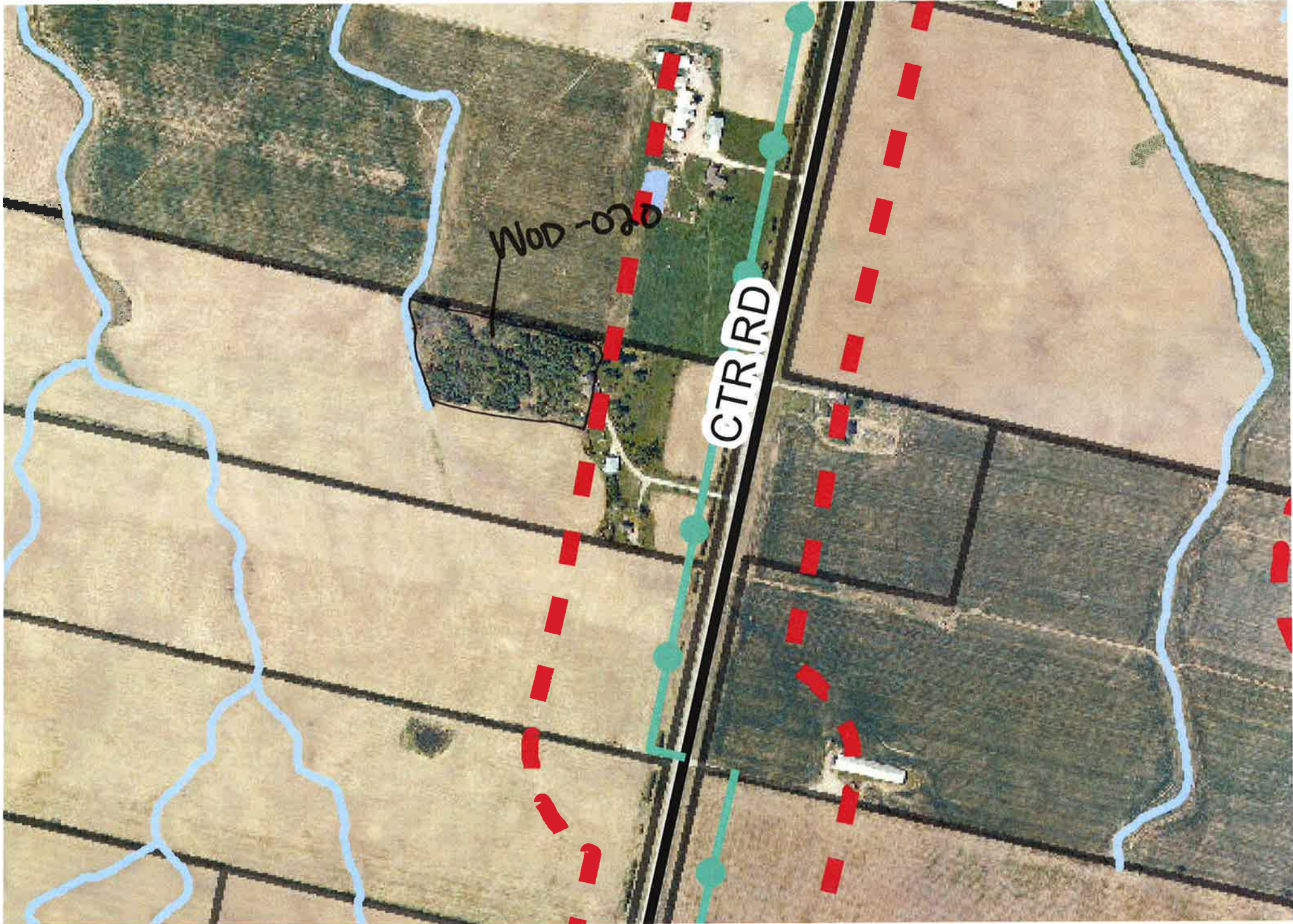


map 24 - ELC woodlot

WOD-020



NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 6

Site: Barnish
 Polygon: 4100-022 - access granted
 UTM: 18Q557 4772746
 Date: October 12, 2011 Time: 12-30
 Surveyor(s): WGN, HLN
 Weather: 15°C, 100% cloud cover, wind from SW

Community Classification

Vegetation Type: Dry-Fresh Sugar Maple - Beech Deciduous Forest Type (F6DM5-2)
 Inclusion:
 Complex:

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
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	Plankton	Forb	Coniferous	
<input type="checkbox"/> Shrub	<input checked="" type="checkbox"/> Surficial Dep.	Submerged	Lichen	<input type="checkbox"/> 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	Sugar Maple, S. Elm, Beech
2 Sub-canopy	3	3	White Birch, Red Spruce
3 Understorey	4	3	Spice Bush
4 Groundcover	97	2	Low and sensitive ferns

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	0	0
Deadfall/Logs	0	0	0	0

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 6

PLANT SPECIES LIST

Site: Barnish
 Polygon: 4100-022
 UTM: 18Q557 4772746
 Date: October 13, 2011 Time: 12-30
 Surveyor(s): WGN, HLN
 Weather: 15°C, 100% cloud cover, wind 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	
Sugar Maple	A	A				Black Raspberry			O		
White Ash		O	O			Wild Garlic					O
Am. Beech	O	A				Common Noddy Fern					O
Basswood		O				Spotted Wood					O
Bitternut Hickory		O	O	O		Poison Ivy					O
Red Oak		O				Zinnia Goldenrod					O
Black Cherry	O	O				Christmas Fern					O
Hamamelis		O				Enchanter's Nightshade					O
Shadblow Hickory	O	O				Red Raspberry					O
Yellow Birch		O				Grass Pea					O
Large-toothed Aspen		O				Mullein					O
Spice Bush		O	A			Blackberry					O
						Riverbank Crane					O
						Large-leaf Aster					O
						Plantain					O

Wildlife and Other Notes

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

Site: 123
 Polygon: W06027
 UTM: 044857-4772746
 Date: 13/10/2011 Time: 12:30
 Surveyor(s): WJW-HLW
 Weather: 15°C 1-10% + 1-SW - 100% no prec

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		**					
H	Spring Peep	VO		*					
H	Am. Toad	OB		**					
M	WT Bear	TK							
B	Am. Crow		many						

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- Anxiently 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:
 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
<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	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 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)	Deer/Moose
	<input type="checkbox"/> Seep/Spring
	<input type="checkbox"/> Mineral Lick
	Snakes
	<input type="checkbox"/> Burrow
	<input checked="" type="checkbox"/> Fallen Rotting Log
	<input type="checkbox"/> Old Well
	<input checked="" type="checkbox"/> Rock Pile/Stone Wall
	<input type="checkbox"/> Organics Pile
	<input checked="" 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
	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

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

Habitat Feature:	UTM	Description
Concrete & log pile	0448468-4772837	Concrete slabs beside it large
Large Rotting Log	0448587-4772746	Short - 780 cm in diameter

Describe Valley (depth, geomorphological traits):

Additional Details:

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 5 of 6

Coldstream Rd & Fort Rose Rd

Site: 1231 Barnish
 Polygon: W00-022
 UTM: 17T-0449027 4773124
 Date: 05/10/2011 Time: 13:25
 Surveyor(s): KNP WGW
 Weather: 19C Wind: 1 SW - CC 5%

Community Classification

Vegetation Type: Dry-fresh sugar maple-white ash deciduous forest
 Inclusion:
 Complex: FODM 5-8

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
History		Acidic Bedrock	Terrace	Rockland	Stream
		Basic Bedrock	Valley Slope	Beach/Bar	Marsh
<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	<input type="checkbox"/> Mixed	
<input checked="" type="checkbox"/> Treed	Bedrock	Floating-Lvd.	Bryophyte		
		Graminoid	<input checked="" type="checkbox"/> Deciduous		

Roadside
ELC
No access

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	2	4	Sugar maple = white ash
2 Sub-canopy	3	2	Sugar maple = white ash > willow sp.
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	R 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

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 6 of 6

PLANT SPECIES LIST

Site: 1231 Barnish
 Polygon: W00-022 - Roadside
 UTM: 17T-0449027 - 4773124
 Date: 05/10/2011 Time: 13:25
 Surveyor(s): KNP - WGW
 Weather: 19C Wind: 1 SW - CC 5%

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

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

Species	Layer				Sample
	1	2	3	4	
Sugar Maple	O	O			
White Ash	O	O			
Willow sp.			R		

Wildlife and Other Notes

- Roadside
 - Too far from polygon to distinguish wild life / habitat - forms omitted.
 - Turkey Vulture over head

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 4

Springbank Rd & Nairn Rd

Site: 1221 - Barnish
 Polygon: W04-023
 UTM: 17T-0447440-477463
 Date: 05/10/2011 Time: 13:42
 Surveyor(s): KMP-WGW
 Weather: -19°C - Wind 2 SW - CC - 8%

Community Classification

Vegetation Type: F0DMS-2 Dry-fresh Sugar Maple-white ash 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
<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
		Cliff		Bog	Plantation
Cover		Plant Form			
<input type="checkbox"/> Open	Open Water	Plankton	Forb	Coniferous	
<input type="checkbox"/> Shrub	Shallow Water	Submerged	Lichen	Mixed	
<input checked="" type="checkbox"/> Treed	Surficial Dep.	Floating-Lvd.	Bryophyte		
	Bedrock	Graminoid	<input checked="" type="checkbox"/> Deciduous		

Roadside ELC No access

Stand Description

Layer	HT	Cover	Species
Super-canopy			
1 Canopy	2	4	Sugar Maple - white ash - basswood
2 Sub-canopy	4	3	Basswood - Shag. Hickory - Sugar Maple
3 Understorey	2	?	
4 Groundcover	2	?	NEW ENGLAND Aster - Solidago 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	-	R	W	W
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 4

PLANT SPECIES LIST

Site: 1231 Barnish
 Polygon: W04-023
 UTM: 17T-0447440-477463
 Date: 05/10/2011 Time: 13:42
 Surveyor(s): KMP-WGW
 Weather: -19°C - Wind 2 SW - CC - 8%

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

Species	Layer				Sample	Species	Layer				Sample	
	1	2	3	4			1	2	3	4		
Sugar Map.	A	O										
White Ash	A	O										
Am. Basswood		O										
Shag. Hickory			D									
Trem. Aspen		R										
Sugar sp.			R									
Snowberry sp.			R									
NE Aster				O								
Solidago sp.				O								

Wildlife and Other Notes

- Roadside

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 4

center rd & main - boundaries?

Site: 1231 Barrish / 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-SW

Community Classification

Dry Forest

Vegetation Type: FODM4-2 A white ash-hardwood 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	<input checked="" type="checkbox"/> Tableland	Sand Dune
<input checked="" type="checkbox"/> Natural		Roll Upland	Bluff
<input type="checkbox"/> Cultural		Cliff	
			Lake
			Pond
			River
			Stream
			Marsh
			Swamp
			Fen
			Bog
			Barren
			Meadow
			Prairie
			Thicket
			Savannah
			Woodland
			<input checked="" type="checkbox"/> 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
		<input checked="" type="checkbox"/> Deciduous
		Forb
		Lichen
		Bryophyte
		Coniferous
		Mixed

Stand Description

Layer	HT	Cover	Species
• Super-canopy			
1 Canopy	L	4	White ash / Sugar maple
2 Sub-canopy	S	3	Shag. Hickory / Sugar Maple / red oak
3 Understorey	YS	3	red raspberry / common buckthorn / aster sp.
4 Groundcover	B	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	O	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 Barrish / 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.c. 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			dog. sumac			R		
red pine	R					Wild currant			A		
red oak	R	O	R			red raspberry			A		
white spruce	R					red maple			O		
Shag. Hickory	R	A				poison ivy			A		
cornus sp.			A			blackberry			O		
Tan. wood		O	O			rough-aven			O		
Yellow birch	R					solomon's seal			O		
Common buckthorn	R	A				Wild-lem. shrub			R		
Traveller's tree	R	R				Poison Ivy			A		
Red-tan maple	O	A				red clover			R		
Basswood	O	O				Dandelion			O		
Sugar Maple	A	A	O			Mullein			O		
Buckberry	R	R				velvet leaf			R		
Marsh. hickory		R				Wild rose			O		
cornus sp.			R			rough-aven			R		
Quercus Michx.		O				Solomon's seal			O		
Quercus sp.		R				Wild-lem. shrub			R		
Purple stem Aca		A				black raspberry			R		
						meadow rue			R	R	
						sm. h. Aster			A		

NO access

Wildlife and Other Notes

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

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

Site: 1231 Barnish / 1230 Adelaide, WOD-OS1
 Polygon: WOD-024
 UTM: 17T 0446284 4774818 Elev 225m
 Date: 5 Oct 2011 Time: 14:30
 Surveyor(s): KMP WFW
 Weather: 21°C, 5% CC, 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 Wink	OB		1					
B	Blue Jay	VO		1					
M	Scrub Wren	VO	1 shot	1					
I	Pearl Oystercatcher	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 | Other Wildlife |
| SH- Suitable Habitat | OB- Observed |
| SM- Singing Male | DP- Distinctive Parts |
| T- Territory | TK- Tracks |
| A- Anxient Behavior | VO- Vocalization |
| D- Courtship Display | HO- House/Den |
| N- Nest Building | FE- Feeding Evidence |
| P- Pair | CA- Carcass/Bones |
| V- Visiting Nest | FY- Eggs or young |
| DD- Distraction Display | SC- Scat |
| NE- Nest with Eggs | SI- Other Signs (Specify) |
| AE-Adult entering nest | |
| NU- Used nest | |
| FY- Fledged Young | |
| FS- Food/Fecal Sac | |

Wildlife Habitat Form
NATURAL RESOURCE SOLUTIONS INC.

Site: 1231 Barnish / 1230 Adelaide, WOD-OS1
 Polygon: WOD-024
 UTM: 17T 0446284 4774818
 Date: 5 Oct 2011 Time: 14:30
 Surveyor(s): KMP WFW
 Weather: 21°C, 5% CC, 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 Mixed Forest Coniferous Forest Marsh Swamp Bog Fen Water (Shallow & Open) Meadow Tallgrass Prairie Thicket Savannah Woodland Valley (Describe Below) Headwater Area (check for Seeps/Springs)	Birds <input type="checkbox"/> Spring Flooded Field <input type="checkbox"/> Stick Nest (Raptors, Herons) <input type="checkbox"/> Snag (Raptors, Herons) <input type="checkbox"/> Tree Cavity Nest (Ducks) <input type="checkbox"/> Seep/Spring (Turkeys/Grouse) <input type="checkbox"/> Cliffs/Banks Bats <input type="checkbox"/> Cave Entrance <input type="checkbox"/> Mine Shaft <input checked="" type="checkbox"/> Snag (>20cm DBH)	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
	Mink/Otter/Fisher/Marten <input type="checkbox"/> Snag <input type="checkbox"/> Burrow <input type="checkbox"/> Den <input type="checkbox"/> Tree Cavity <input type="checkbox"/> Fallen Log	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)
	Deer/Moose <input type="checkbox"/> Seep/Spring <input type="checkbox"/> Mineral Lick	Invertebrates <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
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

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Coldstream Rd & Hasket Rd

1.9hr
Awo 002

Site: 1231 Barnish
 Polygon: W00-025
 UTM: 17T0443390-4774443
 Date: 05 Oct. 2011 Time: 16:10
 Surveyor(s): WGW-KNP
 Weather: 20°C wind 2 SW (C: 0%)

Community Classification *dry forest*
 Vegetation Type: ~~W00M4-2 White ash deciduous~~
 Inclusion: SWDM2-2 Green ash mineral deciduous
 Complex: Swamp

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
		Cliff	

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

Stand Description

Layer	HT	Cover	Species
* Super-canopy			Green
1 Canopy	3	3	White ash Trembling Aspen? Silver maple
2 Sub-canopy	3	3	willow sp? common Buckhorn? Dogwood sp.
3 Understorey	4	2	Phragmites
4 Groundcover	5	2	Solidago sp. ? Aster sp. ? NE 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	A < 10	A 10-24	O 25-50	N > 50
Snags	N < 10	R 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	<input checked="" type="checkbox"/> Young	Mid-age	Mature	Old Growth
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Roadside
ELC
NO access

PLANT SPECIES LIST

Site: 1231 Barnish
 Polygon: W00-025
 UTM: 17T0443390 4774443
 Date: 05 Oct. 2011 Time: 16:10
 Surveyor(s): WGW KNP
 Weather: 20°C, C.C. 09%, 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
	1	2	3	4	
Trem. Aspen	A				
G cotton wood	R				
Crack willow		O	A		
Red cedar		R			
Willow sp.		O	A		
Free maple		O			
Common sp.		A			
Am. Buckhorn		A			
Bur oak		R			
Stug. Sunmac.		O			
Silver Maple		O	O		
White ash		A	O		
Green					

Species	Layer				Sample
	1	2	3	4	
White Aster sp.				A	
Jug. tree-weed				O	
Solidago sp.				A	
Tall golden rod				O	
Phragmites			O		
Typha sp.			R		
NE Aster				O	
grass sp.				O	
Comm. Carduus				R	
Road Gray herb				R	
Garlic Mustard				O	

Wildlife and Other Notes

- Roadside
 - Add form for Southern wood lot
 - same as W00-025
 Cam # 16100-0818

Wildlife Observation Form
 NATURAL RESOURCE SOLUTIONS INC.

Site: 1231 Bormish
 Polygon: WOD-025
 UTM: 17T 0443390 4774443 Elev. 242
 Date: 5 Oct 2011 Time: 16:10
 Surveyor(s): KNP, WGW
 Weather: 20°C, c.c. 0.90, 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		1					
H	Garter Snake	CA		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.

Site: 1231 Bormish
 Polygon: WOD-025
 UTM: 17T 0443390 4774443
 Date: 5 Oct 2011 Time: 16:10
 Surveyor(s): KNP, WGW
 Weather: 20°C, c.c. 0.90, 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 type="checkbox"/> Deciduous Forest <input type="checkbox"/> Mixed Forest <input type="checkbox"/> Coniferous Forest <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Bog <input type="checkbox"/> Fen <input type="checkbox"/> Water (Shallow & Open) <input type="checkbox"/> Meadow <input type="checkbox"/> Tallgrass Prairie <input type="checkbox"/> Thicket <input type="checkbox"/> Savannah <input checked="" type="checkbox"/> Woodland <input type="checkbox"/> Valley (Describe Below) <input type="checkbox"/> Headwater Area (check for Seeps/Springs)	Birds <input type="checkbox"/> Spring Flooded Field <input type="checkbox"/> Stick Nest (Raptors, Herons) <input type="checkbox"/> Snag (Raptors, Herons) <input type="checkbox"/> Tree Cavity Nest (Ducks) <input type="checkbox"/> Seep/Spring (Turkeys/Grouse) <input type="checkbox"/> Cliffs/Banks Bats <input type="checkbox"/> Cave Entrance <input type="checkbox"/> Mine Shaft <input type="checkbox"/> Snag (>20cm DBH) Mink/Otter/Fisher/Marten <input type="checkbox"/> Snag <input type="checkbox"/> Burrow <input type="checkbox"/> Den <input type="checkbox"/> Tree Cavity <input type="checkbox"/> Fallen Log 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 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

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

Habitat Feature:	UTM	Description
No visible wildlife habitat		Features from road side

Describe Valley (depth, geomorphological traits):

Additional Details:
 * Road side wildlife habitat assessment due to restricted site access

WOD 025



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Google earth

Imagery Date: 3/31/2006 2002

17 T 443455 82 m E 4774356 74 m N elev 716 ft

Eye alt 1796 ft

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 4

Haskett Rd & Nairn Road

Site: 1231 Barnish
 Polygon: WOD-027
 UTM: 17T 0443562 4775550
 Date: 05/10/2011 Time: 16:56
 Surveyor(s): WGW KNP
 Weather: 20°C, wind 7 SW, CL: 0%

Community Classification

Vegetation Type: FODM4-2 - Dry Fresh white oak hardwood forest
 Inclusion: THDMZ-10 - Apple Deciduous shrub
 Complex: Haskett

Polygon Description

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

Deciduous Forest

Adjacent property
 Roadside ELC
 NO access

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	2	4	White ash - Sugar Maple
2 Sub-canopy	2	3	Trembling Aspen
3 Understorey			
4 Groundcover	5	2	Solidago sp. = NE 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	< 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
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NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 2 of 4

PLANT SPECIES LIST

Site: 1231 Barnish
 Polygon: WOD-027
 UTM: 17T 0443562 4775550
 Date: 05/10/2011 Time: 16:56
 Surveyor(s): WGW KNP
 Weather: 20°C, CC 0.90, wind 7 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	
Sugar Maple	D	D				Solidago sp.			D		
White Ash	D					White Birch			O		
Tremb. Asp.		A				...					O
Black Ash		O				...					O
Com. maple			R			NE Aster			D		
Log t. Aspen		R	R			River maple			D		
...			O			Pine sp.			R		
...				R		Southwille			R		
...				D		Roadside grass					R

Wildlife and Other Notes

Roadside
 100-0619 & 0620 - Tree ID
 Inclusion: 100% slope, along stream - dominated by white ash, many fruit trees - adjacent road - species mostly from the stream

Site: 1231 Bomlsh
 Polygon: W00-027
 UTM: 17T 2443562 4729550 Elev: 214m
 Date: 5 Oct 2011 Time: 16:55
 Surveyor(s): KNP, WGLW
 Weather: 20°C, 5" cloud cover, wind speed 2.4 m SW

Species Observed					Check for Wildlife Habitat that may be associated with an observation				
TY	Species	EV	Notes	#	TY	Species	EV	Notes	#
B	Ble 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)

Site: 1231 Bomlsh
 Polygon: W00-027
 UTM: 17T 2443562 4729550
 Date: 5 Oct 2011 Time: 16:55
 Surveyor(s): KNP, WGLW
 Weather: 20°C, 5% CC, 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 <input type="checkbox"/> Spring Flooded Field <input type="checkbox"/> Stick Nest (Raptors, Herons) <input type="checkbox"/> Snag (Raptors, Herons) <input type="checkbox"/> Tree Cavity Nest (Ducks) <input type="checkbox"/> Seep/Spring (Turkeys/Grouse) <input type="checkbox"/> Cliffs/Banks
<input type="checkbox"/> Mixed Forest	Bats <input type="checkbox"/> Cave Entrance <input type="checkbox"/> Mine Shaft <input type="checkbox"/> Snag (>20cm DBH)
<input type="checkbox"/> Coniferous Forest	Mink/Otter/Fisher/Marten <input type="checkbox"/> Snag <input type="checkbox"/> Burrow <input type="checkbox"/> Den <input type="checkbox"/> Tree Cavity <input type="checkbox"/> Fallen Log
<input type="checkbox"/> Marsh	Deer/Moose <input type="checkbox"/> Seep/Spring <input type="checkbox"/> Mineral Lick
<input type="checkbox"/> Swamp	
<input type="checkbox"/> Bog	
<input type="checkbox"/> Fen	
<input type="checkbox"/> Water	
(Shallow & Open)	
<input type="checkbox"/> Meadow	
<input type="checkbox"/> Tallgrass Prairie	
<input type="checkbox"/> Thicket	
<input type="checkbox"/> Savannah	
<input checked="" type="checkbox"/> Woodland	
<input type="checkbox"/> Valley	
(Describe Below)	
<input type="checkbox"/> Headwater Area	
(check for Seeps/Springs)	

Habitat Feature:	UTM	Description

Describe Valley (depth, geomorphological traits):
 Water feature on west side of polygon with 15° slope down to
 water. Watercourse ~ 2.5 m wide.
 Vegetation

Additional Details:
 * Roadside wildlife habitat assessment due to
 restricted site access. Limited view of polygon.

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 11

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 7 of 11

PLANT SPECIES LIST

Site: 1231 Barnish
 Polygon: W00-028
 UTM: 17T 0439371 4772840
 Date: 07/10/2011 Time: 11:50
 Surveyor(s): WGW, MEE
 Weather: 21°C Wind 0 - 00.0% no precip

Community Classification

Vegetation Type: FOVM9-7 Dry-Mech Baswood 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"/> Lake	<input type="checkbox"/> Barren
<input type="checkbox"/> Wetland	<input checked="" type="checkbox"/> Mineral Soil	<input type="checkbox"/> Riverine	<input type="checkbox"/> Crevice/Cave	<input type="checkbox"/> Pond	<input type="checkbox"/> Meadow
<input type="checkbox"/> Aquatic	<input type="checkbox"/> Parent Min.	<input type="checkbox"/> Bottomland	<input type="checkbox"/> Alvar	<input type="checkbox"/> River	<input type="checkbox"/> Prairie
	<input type="checkbox"/> Acidic Bedrock	<input checked="" type="checkbox"/> Terrace	<input type="checkbox"/> Rockland	<input type="checkbox"/> Stream	<input type="checkbox"/> Thicket
	<input type="checkbox"/> Basic Bedrock	<input type="checkbox"/> Valley Slope	<input type="checkbox"/> Beach/Bar	<input type="checkbox"/> Marsh	<input type="checkbox"/> Savannah
History	<input type="checkbox"/> Carb. Bedrock	<input type="checkbox"/> Tableland	<input type="checkbox"/> Sand Dune	<input type="checkbox"/> Swamp	<input type="checkbox"/> Woodland
<input checked="" type="checkbox"/> Natural		<input type="checkbox"/> Roll Upland	<input type="checkbox"/> Bluff	<input type="checkbox"/> Fen	<input checked="" type="checkbox"/> Forest
<input type="checkbox"/> Cultural		<input type="checkbox"/> Cliff		<input type="checkbox"/> Bog	<input type="checkbox"/> Plantation
	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 type="checkbox"/> Coniferous	
<input type="checkbox"/> Shrub	<input checked="" type="checkbox"/> Surficial Dep.	<input type="checkbox"/> Submerged	<input type="checkbox"/> Lichen	<input type="checkbox"/> Mixed	
<input checked="" type="checkbox"/> Treed	<input type="checkbox"/> Bedrock	<input type="checkbox"/> Floating-Lvd.	<input type="checkbox"/> Bryophyte		
		<input type="checkbox"/> Graminoid	<input checked="" type="checkbox"/> Deciduous		

Roadside ELC - no access

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	2	4	Basswood, maple, shagbark hickory
2 Sub-canopy	3	4	Basswood, shagbark hickory
3 Understorey	5	3	Hickory < Black raspberry < white aster sp.
4 Groundcover	7	2	wild strawberry

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

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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Site: 1231 Barnish
 Polygon: W00-028
 UTM: 17T 0439371 4772840
 Date: 07/10/2011 Time: 11:50
 Surveyor(s): WGW, MEE
 Weather: 21°C Wind 0 - 00.0% 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	
Sm. Maple	O					Solidago sp.			A		
Basswood	A					White Aster sp.			A		
White ash	R					Polygonum			A		
Am Elm		R				Strawberry				A	
Nannyberry		R				herbaceous					
Black cherry		R				black rasp. b.					
Chokeberry		O				NE Aster			O		
Towhee		O				honeytail sp.			F		
Shagbark hickory		A				Teasel			R		
Am. Beech		R				Large leaved aster			O		
Blackthroat sp.		R									
Apple core		O									
Black walnut		R									
Downy woodpecker		R									

Wildlife and Other Notes

Photos: Hickory: 101-0310 to 101-0312
 Shag
 mystery plant: 101-0317 to 101-0318 - large leaved aster
 forest: 101-0319

Wildlife Observation Form
 NATURAL RESOURCE SOLUTIONS INC.

Site: 1231 - Barnish
 Polygon: W09-028
 UTM: 0439371, 4772840 (17T)
 Date: Oct. 07/11 Time: 11:45am
 Surveyor(s): WGW, MEE
 Weather: Temp: 21°C, %c.c.: 0%, precip: none, vs 0

Species Observed					Check for Wildlife Habitat that may be associated with an observation				
TY	Species	EV	Notes	#	TY	Species	EV	Notes	#
H	Spring peepers	VO		3					
H	Wood Frog	OB		1					
H	American Toad	VO		2					
B	American Crow	VO		5					

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.

Site: 1231 - Barnish
 Polygon: W09-028
 UTM: 0439371, 4772840 (17T)
 Date: Oct. 07/2011 Time: 11:45
 Surveyor(s): WGW, MEE
 Weather: 21°C, r.c. 0%, precip. none, wind 0

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
___ Water	Bats	___ Karst
___ (Shallow & Open)	___ Cave Entrance	___ Broken/Fissured Rock
___ Meadow	___ Mine Shaft	___ Old Foundation
___ Tallgrass Prairie	___ Snag (>20cm DBH)	___ Old Bridge/Concrete Culvert
___ Thicket	Mink/Otter/Fisher/Marten	Amphibians and Turtles
___ Savannah	___ Snag	___ Vernal Pool/Woodland Pond (Amphibian Breeding)
___ Woodland	___ Burrow	___ Sand (Turtle Nesting)
___ Valley	___ Den	___ Fine/Sandy Gravel (Turtle Nesting)
___ (Describe Below)	___ Tree Cavity	Invertebrates
___ Headwater Area	___ Fallen Log	___ Crayfish Chimney
(check for Seeps/Springs)	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
small bird nest	0439370, 4772846	bird nest in notch of tree along fence row, along forest

Describe Valley (depth, geomorphological traits):

Additional Details:

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 4

Site: 1231-Barnish
 Polygon: W00-029
 UTM: 17T 0440039 4776311
 Date: 07/10/2011 Time: 13:00
 Surveyor(s): LGW-MCE
 Weather: 27°C - Wind: 0 - 10: 0% NO precip

Community Classification

Vegetation Type: Fresh-moist elm deciduous
 Inclusion: woodland (W00M5-2)
 Complex:

Polygon Description

System	Substrate	Topo Feature	Community
<input checked="" type="checkbox"/> Terrestrial	<input checked="" 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
			<input type="checkbox"/> Lake
			<input type="checkbox"/> Pond
			<input type="checkbox"/> River
			<input type="checkbox"/> Stream
			<input type="checkbox"/> Marsh
			<input type="checkbox"/> Swamp
			<input checked="" type="checkbox"/> Woodland
			<input type="checkbox"/> Fen
			<input type="checkbox"/> Forest
			<input type="checkbox"/> Plantation

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

Roadside ELC - NO access

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	4	3	Am. Elm > Hickory > white oak > wild oak
2 Sub-canopy	3	4	Hickory = Am Elm > Downy oak
3 Understorey	5	3	Solidago sp > white oak > raspberry
4 Groundcover	7	2	wild strawberry

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	A
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
 Polygon: W00-029
 UTM: 17T 0440039 4776311
 Date: 07/10/2011 Time: 13:00
 Surveyor(s): LGW, MCE
 Weather: 27°C, wind 0, cc 09%, 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	
Am. Elm	O	A				NE. Aster			O		
Solidago sp.	O					Solidago sp.			A		
Downy oak		A				White Birch			O		
White oak	O	O				White Birch sp.			A		
Balsam Pop.	R					Milkweed			O		
Common Hops	R	R				Grackles			O		
Black Walnut	R					River Birch			A		
Raspberries	O	O				Strawberry			A		
White oak	R					Common Hops			O		
Chickadee	O					Tall Goldenrod			O		
Bur oak	R					Barnish Raspberry			O		
Am. Beech						Bur oak			O		

Wildlife and Other Notes

Stream Passes through Woodlot on Map
 photos: 101-0320, 0321, 0322, 0323

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

Site: 1231 Barnish Wind Farm
 Polygon: W0D-029
 UTM: 0440059, 4776311 (17T)
 Date: Oct 09/11 Time: 13:00
 Surveyor(s): WGW, MEE
 Weather: Temp: 22°C, %oc c: 0%, precip: none, w: 1

Species Observed					Check for Wildlife Habitat that may be associated with an observation				
TY	Species	EV	Notes	#	TY	Species	EV	Notes	#
B	Blue Jay	VD		3					
B	Robin	OB		1					
B	Springpeeper	VD		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.

Site: 1231 Barnish
 Polygon: W0D-029
 UTM: 0440059, 4776311 (17T)
 Date: Oct 09/11 Time: 13:00
 Surveyor(s): WGW, MEE
 Weather: 22°C, 0% oc, precip: none, wind: 1

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 <input type="checkbox"/> Mixed Forest <input type="checkbox"/> Coniferous Forest <input type="checkbox"/> Marsh <input type="checkbox"/> Swamp <input type="checkbox"/> Bog <input type="checkbox"/> Fen <input type="checkbox"/> Water (Shallow & Open) <input type="checkbox"/> Meadow <input type="checkbox"/> Tallgrass Prairie <input type="checkbox"/> Thicket <input type="checkbox"/> Savannah <input type="checkbox"/> Woodland <input type="checkbox"/> Valley (Describe Below) <input type="checkbox"/> Headwater Area (check for Seeps/Springs)	Birds <input type="checkbox"/> Spring Flooded Field <input type="checkbox"/> Stick Nest (Raptors, Herons) <input type="checkbox"/> Snag (Raptors, Herons) <input type="checkbox"/> Tree Cavity Nest (Ducks) <input type="checkbox"/> Seep/Spring (Turkeys/Grouse) <input type="checkbox"/> Cliffs/Banks Bats <input type="checkbox"/> Cave Entrance <input type="checkbox"/> Mine Shaft <input type="checkbox"/> Snag (>20cm DBH) Mink/Otter/Fisher/Marten <input type="checkbox"/> Snag <input type="checkbox"/> Burrow <input type="checkbox"/> Den <input type="checkbox"/> Tree Cavity <input type="checkbox"/> Fallen Log 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 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

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:

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 4

1.5 ha
A woody

Site: 1231 Barnish
 Polygon: W0D-030
 UTM: 17T 0443945-4771778
 Date: 17/10/2011 Time: 9:22
 Surveyor(s): WGW-HLW
 Weather: -19°C -3-SE CC: 100% no prec.

Community Classification

Vegetation Type: ~~F0DM6-5-Fresh-Hopst Sugar Maple Hardwood~~
 Inclusion: ~~deciduous forest~~
 Complex: SWDM3-2 silver maple mineral deciduous swamp

Polygon Description

System	Substrate	Topo Feature	Community
<input checked="" type="checkbox"/> Terrestrial	2 Organic	Lacustrine	Lake
<input type="checkbox"/> Wetland	2 Mineral Soil	Riverine	Pond
<input type="checkbox"/> Aquatic	Parent Min.	<input checked="" type="checkbox"/> Bottomland	River
	Acidic Bedrock	Terrace	Stream
	Basic Bedrock	Valley Slope	Marsh
<input checked="" type="checkbox"/> Natural	Carb. Bedrock	Tableland	Swamp
<input type="checkbox"/> Cultural		Roll. Upland	Fen
		Cliff	Bog
			Plantation

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

green
freeman's

roadside
ELC-
NO ACCESS

Stand Description

Layer	HT	Cover	Species
* Super-canopy			Freeman's
1 Canopy	2	4	Silver Maple > Sugar Maple > greenash
2 Sub-canopy	3	3	Silver maple > freeman's maple
3 Understorey	4	3	Silver maple > Solidago sp. > Phragmites
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	2 < 10	2 10-24	2 25-50	2 > 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

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 2 of 4

PLANT SPECIES LIST

Site: 1231 Barnish
 Polygon: W0D-030
 UTM: 17T 0443945 4771778
 Date: 12/10/2011 Time: 9:22
 Surveyor(s): WGW-HLW
 Weather: 19°C, wind 3 SE, 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
	1	2	3	4	
Silver Map.	O	A	D		
White ash	O				
Sugar Maple	O	O			
Hickory sp.	O				
Phragmites			O		
Grey Sycamore			O		
Solidago sp.			O		
W. Aster			O		

Wildlife and Other Notes

assessed from 20m away

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

Site: Bornish 1231
 Polygon: W0D-036
 UTM: 0443945 4771778 (from outside polygon)
 Date: October 12, 2011 Time: 9:22
 Surveyor(s): WGW/HLW
 Weather: 19°C, cloud cover 100%, wind 3 from SE

Species Observed					Check for Wildlife Habitat that may be associated with an observation				
TY	Species	EV	Notes	#	TY	Species	EV	Notes	#
L	Monarch	OB		1					
B	Sparrow sp.	OB		3					
B	Canada Goose	OB		4					
H	Wood Frog	OB		2					
M	Wh-tailed Deer	TK		1					
H	Spring Peepers	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.

Site: Bornish 1231
 Polygon: W0D-036
 UTM: 0443945 4771778 (outside polygon, from observation point)
 Date: October 12, 2011 Time: 9:22
 Surveyor(s): WGW/HLW
 Weather: 19°C, cloud cover 100%, wind 3 from SE

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

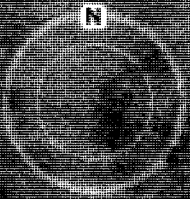
Habitat Type	Habitat Features	
<input checked="" type="checkbox"/> Deciduous Forest	Birds	Snakes
<input type="checkbox"/> Mixed Forest	<input type="checkbox"/> Spring Flooded Field	<input type="checkbox"/> Burrow
<input type="checkbox"/> Coniferous Forest	<input type="checkbox"/> Stick Nest (Raptors, 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 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	Invertebrates
<input type="checkbox"/> Headwater Area	<input type="checkbox"/> Fallen Log	<input type="checkbox"/> Crayfish Chimney
(check for Seeps/Springs)	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

Describe Valley (depth, geomorphological traits):
 Additional Details:
 - ELC completed from outside polygon, no access

WOD 030



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Google earth

Imagery Date: 3/31/2006  2006

17 T 443974.01 m E 4771912.14 m N elev 305 ft

Eye alt 2022 ft 

PLANT SPECIES LIST

Site: Bornish
 Polygon: W01-031
 UTM: 11775 1177306
 Date: Oct 12, 2011 Time: 10:26
 Surveyor(s): WGW, HLW
 Weather: 19°C, cloud cover 100%, wind 2 from SE, no precip.

Community Classification

Vegetation Type: W01M3-3 Dry White Oak woodland
 Inclusion:
 Complex:

Polygon Description

System	Substrate	Topo Feature	Community		
<input checked="" type="checkbox"/> Terrestrial	<u>1</u> 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
	Carb. Bedrock	Tableland	Sand Dune	Swamp	<input checked="" type="checkbox"/> Woodland
History		<input checked="" type="checkbox"/> Roll Upland	Bluff	Fen	Forest
<input checked="" type="checkbox"/> Natural		Cliff		Bog	Plantation
<input type="checkbox"/> Cultural					
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	<u>2</u>	<u>3</u>	<u>White Oak</u>
2 Sub-canopy	<u>3</u>	<u>2</u>	<u>Shagbark Hickory / White Ash</u>
3 Understorey	<u>4</u>	<u>2</u>	<u>Canada Goldenrod / New England Aster</u>
4 Groundcover	<u>1</u>	<u>2</u>	<u>Wild Strawberry / Blackberry / Poison Ivy</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	<u>0</u> < 10	<u>0</u> 10-24	<u>0</u> 25-50	<u>R</u> > 50
Snags	<u>0</u> < 10	<u>0</u> 10-24	<u>N</u> 25-50	<u>N</u> > 50
Deadfall/Logs	<u>0</u> < 10	<u>0</u> 10-24	<u>N</u> 25-50	<u>N</u> > 50

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

Community Age: Pioneer Young Mid-age Mature Old Growth

Site: Bornish
 Polygon: W01-031
 UTM: 11775 1177306
 Date: Oct 12, 2011 Time: 10:26
 Surveyor(s): WGW, HLW
 Weather: 19°C, cloud cover 100%, wind 2 from SE, 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 Oak	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>							
Shagbark Hickory		<u>0</u>									
White Ash		<u>0</u>									
Canada Goldenrod											
New England Aster											
Blackberry											
Poison Ivy											
Wild Strawberry											
Wild Cowweed											
Wild Raspberry											
Blueberry											
Red Raspberry									<u>00</u>		
Blueberry									<u>R</u>		

Roadside ELC - NO ACCESS

Wildlife and Other Notes

- ELC completed from outside polygon, no access to woodland

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

Page 3 of 4

Site: 1231 Bacon St
 Polygon: 6106-D31-Roadcut
 UTM: 17T 0441795 4772306
 Date: 12/10/2011 Time: 16:26
 Surveyor(s): JYJ - HBW
 Weather: 14°C, Wind 3 from SE at 100% RH, no precip

Species Observed					Check for Wildlife Habitat that may be associated with an observation				
TY	Species	EV	Notes	#	TY	Species	EV	Notes	#
B	Blue Jay	OB		1					
B	Red Wing	OB		1					
B	Blue Jay	OB		1					
B	Red Wing	OB		1					
B	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.

Page 4 of 4

Site: 1231 Bacon St
 Polygon: W00-A31
 UTM: 17T 0441795 4772306
 Date: 12/10/2011 Time: 16:26
 Surveyor(s): JYJ - HBW
 Weather: 14°C, Wind 3 from SE at 100% RH, 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 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	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 checked="" 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)	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
	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

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

Habitat Feature:	UTM	Description
fallen log		located at E. muddy log

Describe Valley (depth, geomorphological traits):

Additional Details: completed without access to woodlot

PLANT SPECIES LIST

Site: Bornish / 1230 Adelaide, W02-045
 Polygon: W02-038
 UTM: 0440877 4773032
 Date: October 12, 2011 Time: 15:59
 Surveyor(s): WGW, ILW
 Weather: 15% cloud cover, rain, wind 1

Community Classification

Vegetation Type: F0C M6 Naturalized coniferous
 Inclusion: plantation
 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.	<input checked="" type="checkbox"/> Bottomland	Alvar	River	Prairie
	Acidic Bedrock	Terrace	Rockland	Stream	Thicket
	Basic Bedrock	Valley Slope	Beach/Bar	Marsh	Savannah
History	Carb. Bedrock	Tableland	Sand Dune	Swamp	Woodland
<input type="checkbox"/> Natural		Roll. Upland	Bluff	Fen	Forest
<input checked="" type="checkbox"/> Cultural		Cliff		Bog	<input checked="" type="checkbox"/> Plantation
Cover	Open Water	Plant Form			
<input type="checkbox"/> Open	Shallow Water	Plankton	Forb	<input checked="" type="checkbox"/> Coniferous	
<input type="checkbox"/> Shrub	Surficial Dep.	Submerged	Lichen	<input type="checkbox"/> 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	3	—
2 Sub-canopy	3	3	—
3 Understorey	4	3	—
4 Groundcover	7	3	—

too far away to access
competition

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

Site: Bornish / 1230 Adelaide, W02-045
 Polygon: W02-038
 UTM: 0440877 4773032
 Date: October 12, 2011 Time: 15:59
 Surveyor(s): WGW, ILW
 Weather: 15% 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
	1	2	3	4	
White Spruce	O				
Scots Pine	A				
Black Pine	A				
Bowwood	O				
Prospersip					A
Tansel					O

Wildlife and Other Notes

- ELC completed from roadside, no access

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Site: Rornish / Adelaide 1230, WOD-046
 Polygon: WOD-039
 UTM: 0441038 4773730 (from observation point)
 Date: October 12, 2011 Time: 16:15
 Surveyor(s): WGW, HLW
 Weather: 15°C, 100% cloud cover, wind 1, rain

Community Classification

Vegetation Type: Naturalized coniferous
 Inclusion: plantation (FOCMG)
 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	Crevise/Cave	Pond	Meadow
<input type="checkbox"/> Aquatic	Parent Min.	<input checked="" type="checkbox"/> Bottomland	Alvar	River	Prairie
	Acidic Bedrock	Terrace	Rockland	Stream	Thicket
History	Basic Bedrock	Valley Slope	Beach/Bar	Marsh	Savannah
<input type="checkbox"/> Natural	Carb. Bedrock	Tableland	Sand Dune	Swamp	Woodland
<input checked="" type="checkbox"/> Cultural		Roll, Upland	Bluff	Fen	Forest
	Site	Cliff		Bog	<input checked="" type="checkbox"/> Plantation
Cover	Open Water	Plant Form			
<input type="checkbox"/> Open	Shallow Water	Plankton	Forb	<input checked="" type="checkbox"/> Coniferous	
<input type="checkbox"/> Shrub	Surficial Dep.	Submerged	Lichen	<input type="checkbox"/> Mixed	
<input checked="" type="checkbox"/> Treed	Bedrock	Floating-Lvd.	Bryophyte		
		Graminoid	Deciduous		

Stand Description

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

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: 25-80% 4: >80%

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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NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

PLANT SPECIES LIST

Site: Rornish / Adelaide 1230, WOD-046
 Polygon: WOD-039
 UTM: 0441038 4773730 (from observation point)
 Date: October 12, 2011 Time: 16:15
 Surveyor(s): WGW, HLW
 Weather: 15°C, 100% cloud cover, wind 1, rain

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

Species	Layer				Sample	Species	Layer				Sample		
	1	2	3	4			1	2	3	4			
<u>Scots Pine</u>													
<u>White Pine</u>													

*Roadside
NO access*

to far away to discern species composition

Wildlife and Other Notes

-ELC completed from roadside, no access
 -river running through plantation

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 1 of 2

NATURAL RESOURCE SOLUTIONS INC

Modified ELC Community Description

Page 2 of 2

PLANT SPECIES LIST

Site: Bornish /1230 Adelaide, W02-045
 Polygon: W02-038
 UTM: 0440877 4773032
 Date: October 12, 2011 Time: 15:59
 Surveyor(s): NGW, HLW
 Weather: 15°C, 100% cloud cover, rain, wind 1

Site: Bornish /1230 Adelaide, W02-045
 Polygon: W02-038
 UTM: 0440877 4773032
 Date: October 12, 2011 Time: 15:59
 Surveyor(s): NGW, HLW
 Weather: 15°C, 100% cloud cover, rain, wind 1

Community Classification

Vegetation Type: FORM 6 Naturalized coniferous plantation
 Inclusion:
 Complex:

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

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

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.	<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"/> Treed	Bedrock	Floating-Lvd.
		Graminoid
		Forb
		Lichen
		Bryophyte
		Deciduous
		<input checked="" type="checkbox"/> Coniferous
		<input type="checkbox"/> Mixed

Roadside
no access

Stand Description

Layer	HT	Cover	Species
* Super-canopy			
1 Canopy	2	3	—
2 Sub-canopy	3	3	—
3 Understorey	4	3	—
4 Groundcover	7	3	—

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	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"/>			

Species	Layer				Sample	Species	Layer				Sample
	1	2	3	4			1	2	3	4	
White Spruce	O					Grosses Sp.					A
Scots Pine	A	O				Teasel					O
Yew Pine	A	O									
Basswood	O										

Wildlife and Other Notes

- ELC completed from roadside, no access

PLANT SPECIES LIST

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

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

Community Classification

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

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

Polygon Description

System	Substrate	Topo Feature	Community		
<input checked="" type="checkbox"/> Terrestrial	Organic	Lacustrine	Talus	Lake	Barren
<input type="checkbox"/> Wetland	Mineral Soil	Riverine	Crevise/Cove	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	Tableland	Sand Dune	Swamp	Woodland
<input checked="" type="checkbox"/> Natural		Roll Upland	Bluff	Fen	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	<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		Sugar Maple, Basalwood
2 Sub-canopy	3		Basalwood, Sugar Maple
3 Understorey	4		
4 Groundcover	5		

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

Species	Layer				Sample	Species	Layer				Sample
	1	2	3	4			1	2	3	4	
Sugar Maple	O	A	O			Goldrod sp.				O	
Basalwood	O	G									
Rub Oak	O		O								
Silver Maple	O	G									
Shagbark Hickory	O	O									

Wildlife and Other Notes

ELC completed roadside, no access

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): W/GW - H/W
 Weather: 15°C - Wind 1-SW - CC 100% 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	Lake	Barren
<input type="checkbox"/> Wetland	Mineral Soil	<input checked="" type="checkbox"/> Riverine	Crevice/Cave	Pond	Meadow
<input type="checkbox"/> Aquatic	Parent Min.	Bottomland	Alvar	River	Prairie
	Acidic Bedrock	Terrace	Rockland	<input checked="" type="checkbox"/> Stream	Thicket
	Basic Bedrock	Valley Slope	Beach/Bar	Marsh	Savannah
<input checked="" type="checkbox"/> Natural	Carb. Bedrock	Tableland	Sand Dune	Swamp	<input checked="" type="checkbox"/> Woodland
<input type="checkbox"/> Cultural		Roll Upland	Bluff	Fen	Forest
		C/H		Bog	Plantation
Cover		Plant Form			
<input type="checkbox"/> Open	Open Water	Plankton	Forb	Coniferous	
<input type="checkbox"/> Shrub	Shallow Water	Submerged	Lichen	<input checked="" type="checkbox"/> Mixed	
<input checked="" type="checkbox"/> Tree	Surficial Dep.	Floating-Lvd.	Bryophyte		
	Bedrock	Graminoid	Deciduous		

Wood/100%

Roadside
No access

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	2/4	2	Red pine, Red cedar, ...
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: 25-60% 4: >60%

Size Class Analysis	< 10	A 10-24	0 25-50	R > 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
			<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): W/GW - H/W
 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			NE Aster				O	
Silver Poplar		O	O			Typha sp.				A	
White Birch		O	O			Whi. Aster sp.				R	
Sweet Maple		O				wild carrot				O	
Black Locust	A	A				Tansy				R	
Com Lilac				R		grass sp.				A	
Rock Rose				O							
Sweet Birch											
Black Maple				R							
Com Apple		R									

Wildlife and Other Notes

- Roadside LLC
 - Riparian - community
 Spring Peeper J.O. 2+ individuals

Site: 1231 Boraish / 1230 Adelaide, WOOD-047
 Polygon: WOOD-048 - Roadside
 UTM: 0441725 4776525 1-IT
 Date: 13/10/2011 Time: 12:10
 Surveyor(s): W/GW, H/LW
 Weather: 15°C Wind 1-SW-CC 100% No plants

Community Classification

Vegetation Type: WORM4 - fresh-moist mixed woodland
 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.	<input checked="" type="checkbox"/> 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	Tableland	Sand Dune	Swamp	<input checked="" type="checkbox"/> Woodland
<input type="checkbox"/> Cultural		Roll Upland	Bluff	Fen	Forest
		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	<input checked="" type="checkbox"/> Mixed	
<input checked="" type="checkbox"/> Treed	Bedrock	Floating Lvd.	Bryophyte		
		Graminoid	Deciduous		

- Treed with open area in forest place

Roadside ELC No. 10055

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	2	2	Com. apple > red cedar
4 Groundcover	4	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	0	25-50	>50
Snags	0	<10	0	10-24	0	25-50	>50
Deadfall/Logs	0	<10	0	10-24	0	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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Site: 1231 Boraish / 1230 Adelaide, WOOD-047
 Polygon: WOOD-048
 UTM: 17T 0441725 4776525
 Date: 13/10/2011 Time: 12:10
 Surveyor(s): W/GW, H/LW
 Weather: 15°C Wind 1-SW-CC 100% No plants

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					White Ash					A
Red cedar		0	A			Solidago					A
Scots pine		0				Terra					O
Com. Maple	0					W. Alder					O
Com. Apple		0	A			Phacelia					O
Juniper			0			D. 10' dark grass					R
Stachys				R		Parrot					O
						Typha sp.					O

Wildlife and Other Notes

Roadside ELC
 Riparian community - 40-50% tree cover

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

Site: Baymish 1231 / Adelaide 1230, W102-044
 Polygon: W102-044
 UTM: 17T E 011715 N 4776525
 Date: October 18, 2011 Time: 12:10
 Surveyor(s): WGW, HGW
 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					
B	Pink Gull	NO		1					
L	Mandarin	OB		1					
B	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- Anxiously 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: Baymish 1231 / Adelaide 1230, W102-044
 Polygon: W102-044
 UTM: 17T E 011715 N 4776525
 Date: October 18, 2011 Time: 12:10
 Surveyor(s): WGW, HGW
 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	Habitat Features	Snakes
<input type="checkbox"/> Deciduous Forest	<input type="checkbox"/> Birds	<input type="checkbox"/> Burrow
<input type="checkbox"/> Mixed Forest	<input type="checkbox"/> Spring Flooded Field	<input type="checkbox"/> Fallen Rotting Log
<input type="checkbox"/> Coniferous Forest	<input type="checkbox"/> Stick Nest (Raptors, Herons)	<input type="checkbox"/> Old Well
<input type="checkbox"/> Marsh	<input type="checkbox"/> Snag (Raptors, Herons)	<input type="checkbox"/> Rock Pile/Stone Wall
<input type="checkbox"/> Swamp	<input type="checkbox"/> Tree Cavity Nest (Ducks)	<input type="checkbox"/> Organics Pile
<input type="checkbox"/> Bog	<input type="checkbox"/> Seep/Spring (Turkeys/Grouse)	<input type="checkbox"/> Log Pile
<input type="checkbox"/> Fen	<input type="checkbox"/> Cliffs/Banks	<input type="checkbox"/> Karst
<input type="checkbox"/> Water	<input type="checkbox"/> Bats	<input type="checkbox"/> Broken/Fissured Rock
<input type="checkbox"/> (Shallow & Open)	<input type="checkbox"/> Cave Entrance	<input type="checkbox"/> Old Foundation
<input type="checkbox"/> Meadow	<input type="checkbox"/> Mine Shaft	<input checked="" type="checkbox"/> Old Bridge/Concrete Culvert
<input type="checkbox"/> Tallgrass Prairie	<input type="checkbox"/> Snag (>20cm DBH)	<input type="checkbox"/> Amphibians and Turtles
<input checked="" type="checkbox"/> Thicket	<input type="checkbox"/> Mink/Otter/Fisher/Marten	<input type="checkbox"/> Vernal Pool/Woodland Pond (Amphibian Breeding)
<input type="checkbox"/> Savannah	<input checked="" type="checkbox"/> Snag	<input type="checkbox"/> Sand (Turtle Nesting)
<input type="checkbox"/> Woodland	<input type="checkbox"/> Burrow	<input type="checkbox"/> Fine/Sandy Gravel (Turtle Nesting)
<input type="checkbox"/> Valley	<input type="checkbox"/> Den	<input type="checkbox"/> Invertebrates
<input type="checkbox"/> (Describe Below)	<input type="checkbox"/> Tree Cavity	<input type="checkbox"/> Crayfish Chimney
<input type="checkbox"/> Headwater Area	<input type="checkbox"/> Fallen Log	
<input type="checkbox"/> (check for Seeps/Springs)	<input type="checkbox"/> 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
Large Slabs	(111751 4776521	5' wide x 3' deep x 3' high
Large Slabs	(111751 4776521	15-20' deep

Describe Valley (depth, geomorphological traits):

-- Wide valley, watercourse through centre

Additional Details:

-- 111751 4776521

Site: *Bornish 1231*
 Polygon: *W00 050 / Adelaide 1230, W00-050*
 UTM: *MT 0410861 4773526*
 Date: *Dec. 2/11* Time: *13:49*
 Surveyor(s): *CM, KWP*
 Weather: *2°C, 80% cc, no precip. wind 3 from N*

Community Classification

Vegetation Type: *FoCM 6-1 Dry-fresh white pine naturalized*
 Inclusion: *FoDM 12 naturalized deciduous plantation*
 Complex:

Polygon Description

System	Substrate	Topo Feature	Community
<input checked="" type="checkbox"/> Terrestrial	Organic	Lacustrine	Lake
<input type="checkbox"/> Wetland	Mineral Soil	Riverine	Pond
<input type="checkbox"/> Aquatic	Parent Min.	Bottomland	River
	Acidic Bedrock	Terrace	Stream
	Basic Bedrock	Valley Slope	Marsh
<input checked="" type="checkbox"/> Cultural	Carb. Bedrock	<input checked="" type="checkbox"/> Tableland	Swamp
		Roll, Upland	Fen
		Cliff	Bog
			<input checked="" type="checkbox"/> 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
		<input checked="" type="checkbox"/> Coniferous
		<input checked="" type="checkbox"/> Mixed

Stand Description

Layer	HT	Cover	Species
* Super-canopy	-	-	-
1 Canopy	2	3	<i>E. wh. pine > wh. ash</i>
2 Sub-canopy	3	1	<i>white pine</i>
3 Understorey	0	0	-
4 Groundcover	5	4	<i>grass sp. > goldenrod sp. > raspberry</i>

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	R	O	A	N
< 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"/>			

PLANT SPECIES LIST

Site:
 Polygon: *See p1*
 UTM:
 Date: Time:
 Surveyor(s):
 Weather:

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

Species	Layer				Sample	Species	Layer				Sample
	1	2	3	4			1	2	3	4	
<i>E. wh. pine</i>	A		R			<i>Wild rd raspberry</i>					R
<i>wh. ash</i>	A					<i>grass sp</i>					A
						<i>goldenrod sp</i>					R

Wildlife and Other Notes

photos: 100-0814-0515

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

Site: 1231 Bornish / 1230 Adelaide, WDD-056	
Polygon: WDD-650	
UTM: 17T 094086E 4773500N	
Date: 2 Dec 2011	Time: 13:45
Surveyor(s): KNP, CM	
Weather: 2°C, cloud cover 60%, wind speed	

Species Observed					Check for Wildlife Habitat that may be associated with an observation				
TY	Species	EV	Notes	#	TY	Species	EV	Notes	#
	None observed								

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 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
<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 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)
Mixed <input checked="" 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"/> Headwater Area	<input type="checkbox"/> Tree Cavity	Invertebrates
<small>(check for Seeps/Springs)</small>	<input type="checkbox"/> Fallen Log	<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
None observed		

Describe Valley (depth, geomorphological traits):

Additional Details:
 Mixed plantation (w ash, w. pine)

- 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)