

Site: Bornish 1231 / Adelcude 1230, W00-055
 Polygon: W00 051
 UTM: 17T 0441190 4775848
 Date: Dec 2/11 Time: 14:17
 Surveyor(s): cm KNP
 Weather: 2°C, 7090 c.c wind 3 from N, no precip

Community Classification

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

Layers:
 FODMS-5

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	Alluv	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	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	S. Maple > Shagbark hickory > Am beech
2 Sub-canopy	3	3	S. maple > Am. beech > hop hickory
3 Understorey	4	2	goldenrod > raspberry
4 Groundcover	5	3	grass sp. > arctic mustard

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

PLANT SPECIES LIST

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

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

Species	Layer				Sample
	1	2	3	4	
W. elm	RR				
Sugar maple	OA				
Am beech	OO				
hop hickory	RR				
Shagbark hick	OO				
asp bark oak	RR				
goldenrod sp.			O		
aster sp.			R		
arctic mustard				O	
raspberry			R		
grass sp.				O	

Wildlife and Other Notes

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

Site: 1231 Barnish / 1720 Adelaide, WDD-055	
Polygon: WDD-055	
UTM: 177 0441190	477 5948
Date: 2 Nov 2011	Time: 14:15
Surveyor(s): KNP / K	
Weather: 2°C, cloud cover 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 (Gray)	OB		1					
M	W-tailed dove	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	Other Wildlife
SH- Suitable Habitat	OB- Observed
SM- Singing Male	DP- Distinctive Parts
T- Territory	TK- Tracks
A- Anxiety 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:	
Polygon:	
UTM: See page 3	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"/> Spring Flooded Field <input type="checkbox"/> Stick Nest (Raptors, Herons) <input checked="" 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)
<input type="checkbox"/> Mixed Forest	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
<input type="checkbox"/> Coniferous Forest	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)
<input type="checkbox"/> Marsh	Invertebrates <input type="checkbox"/> Crayfish Chimney
<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)	Mink/Otter/Fisher/Marten <input type="checkbox"/> Snag <input type="checkbox"/> Burrow <input type="checkbox"/> Den <input type="checkbox"/> Tree Cavity <input checked="" type="checkbox"/> Fallen Log 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
fallen log		Several throughout woodland. Not candidates SWH
snag >20cm dbh		Scattered throughout woodland. Not candidates SWH

Describe Valley (depth, geomorphological traits):

Additional Details:

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: DC - fresh white ash - hardwood deciduous forest
 Inclusion: Euc. buckhorn thick krt THDM2-6 FODM4-2
 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	<input type="checkbox"/> Coniferous	
<input type="checkbox"/> Shrub	Shallow Water	Submerged	Lichen	<input type="checkbox"/> Mixed	
<input checked="" type="checkbox"/> Treed	<input checked="" type="checkbox"/> Surficial Dep.	Floating-Lvd.	Bryophyte		
	Bedrock	Graminoid	<input checked="" type="checkbox"/> Deciduous		

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	Euc. buckhorn > silky dogwood
4 Groundcover	5	3	Grass sp. > Red cane grass > soil

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	0	0	N

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: _____
 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	
Euc. buckhorn		O				Red cedar				R	
W elm	R	R				goldenrod					
Sugar maple	O	O				grass sp.				O	
W ash	O	O				live oak				R	
Am beech		R				common buckeye				R	
scots pine		R				Red cane grass				R	
red oak	R					silky dogwood				O	
apple sp.	R										

Wildlife and Other Notes

0917 - to ID - silky dogwood

Wildlife Observation Form
NATURAL RESOURCE SOLUTIONS INC.

Site: 1231 Bornish / 1230 Adelaide, WOD-053
 Polygon: WOD-053
 UTM: 17 045 2983 4774566
 Date: 2 Dec 2011 Time: 15:15
 Surveyor(s): KNP, CM
 Weather: 10°C, 10% cloud cover, Wind speed 3 km/h

Species Observed					Check for Wildlife Habitat that may be associated with an observation				
TY	Species	EV	Notes	#	TY	Species	EV	Notes	#
M	Whisk-tailed Deer	TK		1					
M	Raccoon	CA		1					
B	Blue Jay	OB		1					
B	House Sparrow	OB		1					
B	Am. Gold Finch	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.

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
<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 checked="" 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 checked="" 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 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)
(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
No candidate significant wildlife habitat observed.		

Describe Valley (depth, geomorphological traits):

- width is variable; banks variable slope from gentle to steep
 - watercourse present

Additional Details:

Site: Bornish 1231
 Polygon: W06 053
 UTM: 177 0452930 4773903
 Date: Dec. 2/11 Time: 16:17
 Surveyor(s): cm KNP
 Weather: 10C, 40% cc, wind 3 from N, no precip.

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.	Bottomland	Alvar
	Acidic Bedrock	Terrace	Rockland
	Basic Bedrock	Valley Slope	Beach/Bar
History	Carb. Bedrock	<input checked="" type="checkbox"/> Tableland	Sand Dune
<input type="checkbox"/> Natural		Roll Upland	Bluff
<input checked="" type="checkbox"/> Cultural		Cliff	
	Site		
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
			<input checked="" type="checkbox"/> Coniferous
			<input type="checkbox"/> Mixed

Stand Description

Layer	HT	Cover	Species
Super-canopy			
1 Canopy	2	4	Spruce 77 w. cedar
2 Sub-canopy			
3 Understorey			
4 Groundcover	6	3	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	N	D	N	N
< 10	< 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
		<input checked="" type="checkbox"/>			

PLANT SPECIES LIST

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

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

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

Species	Layer				Sample	Species	Layer				Sample
	1	2	3	4			1	2	3	4	
<u>P. w. cedar</u>	A					<u>grass sp.</u>				O	
<u>W. Spruce</u>	A										

Wildlife and Other Notes

Roadside, no access