

Compartment Review Presentation

Pigeon River Country Forest Management Unit

Compartment 53016 Entry Year 2017 Acreage: 1,930

County Cheboygan

Management Area: Pigeon River Country

Revision Date: 2015-06-22

Stand Examiner: Richard McDonald

Legal Description:

T33N - R01W sections 22, 27, 34

Identified Planning Goals:

Maintain current species mix and apply appropriate management techniques to mature stands of timber that are in need of treatment.

Soil and topography:

Uplands are generally rolling to mostly level. Soils are predominantly sand of the Cheboygan-Blue Lakes associations with Rubicon sand being represented as well.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

This Compartment and surrounding area is entirely state owned land with recreation being the primary land use.

Unique Natural Features:

A representative from Michigan's Natural Features Inventory will be on hand at the formal compartment review.

Archeological, Historical, and Cultural Features:

None identified.

Special Management Designations or Considerations:

None identified.

Watershed and Fisheries Considerations:

A large portion of Cornwall Flooding, as well as, Cornwall Creek, which flows into the Pigeon River are within this compartment.

Wildlife Habitat Considerations:

A Wildlife Division representative will be available to participate in the formal compartment review.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and coarse-textured glacial till. The glacial drift thickness varies between 100 and 400 feet. Beneath the glacial drift is the Devonian Antrim Shale that is quarried for cement products elsewhere in the State. There are no nearby former gravel pits, but there should be good potential on the uplands. This area was previously leased for oil and gas development. The Antrim Shale subcrops in this area, but appears to be too thin for production. The Niagaran reef trend is located five miles to the southeast. There is limited oil and gas potential for known producing formations in this compartment.

Consistent with the objectives of the Concept of Management there are no plans to engage in mining activities (sand, gravel, stone, etc.) or oil and gas development in this Compartment. Nondevelopment (no surface infrastructure including pipelines, new roads, utility lines, well pads, etc.) oil and gas leasing may be considered.

Vehicle Access:

There is good access in the south end of the compartment, but most of the roads in the north are blocked to vehicle traffic.

Survey Needs:

None required.

Recreational Facilities and Opportunities:

A maintained access site and boat launch is on the north end of Cornwall Flooding with an accompanying pit toilet and picnic area. The horse/hiking trail traverses the entire length of the compartment.

Fire Protection:

Access is poor in case of any fire suppression efforts, though the area is generally at low risk to any wildfire potential. Most road systems are closed with berms.

Additional Compartment Information:

The following reports from the Inventory are attached:

Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)

Dedicated and Proposed Special Conservation Areas

Site Condition Details

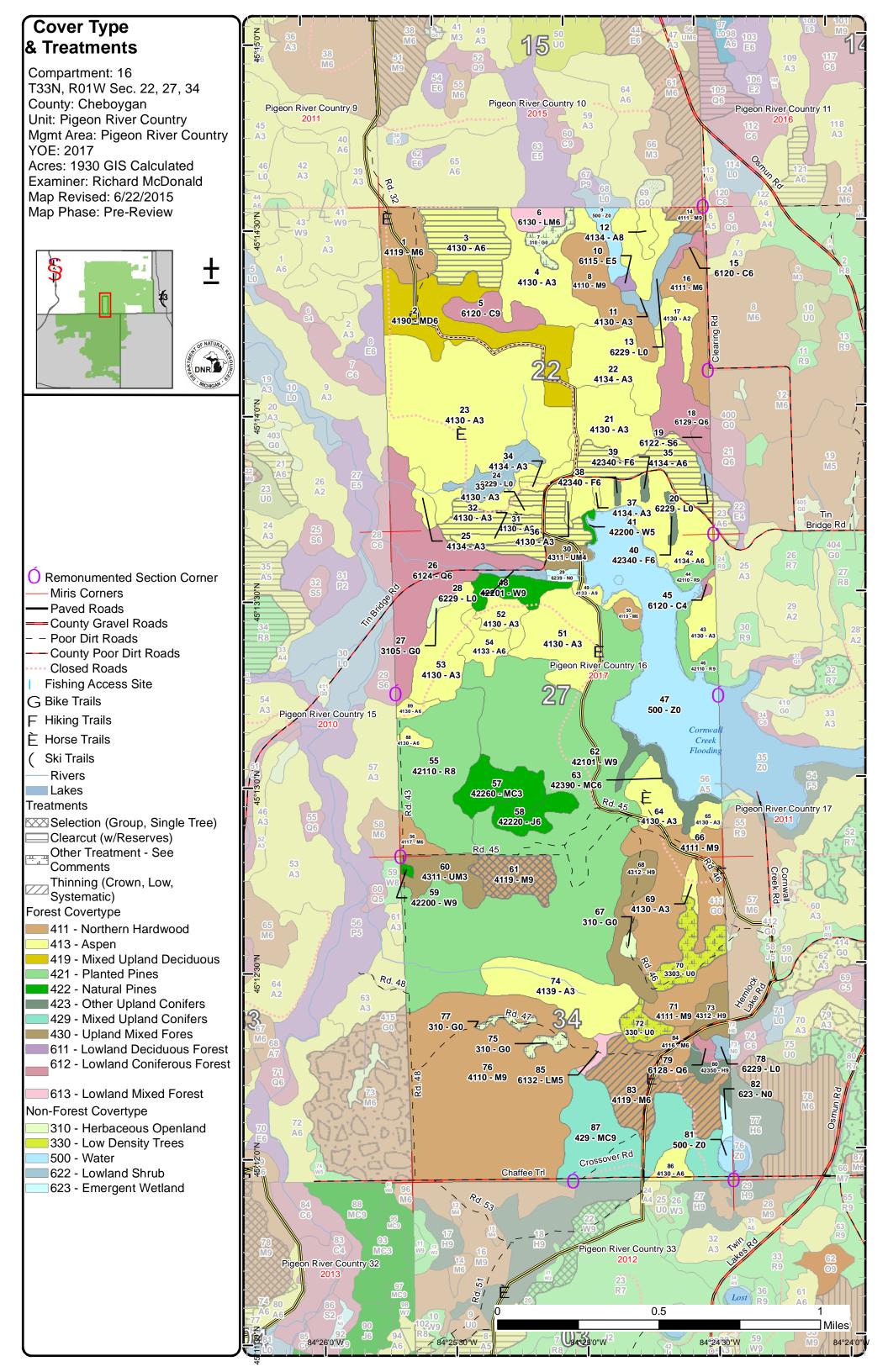
The following information is displayed, where pertinent, on the attached compartment maps:

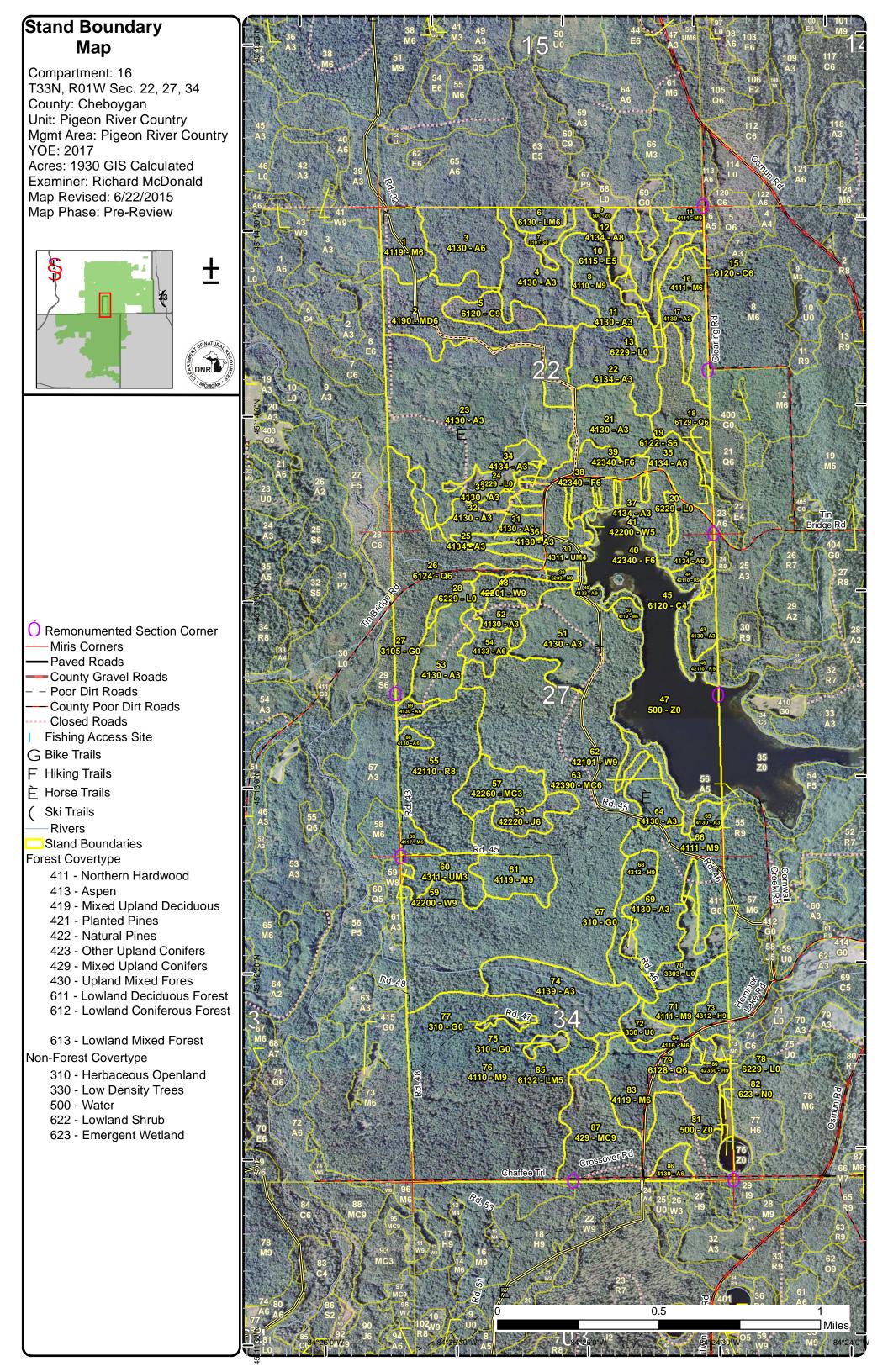
Base feature information, stand boundaries, cover types, and numbers

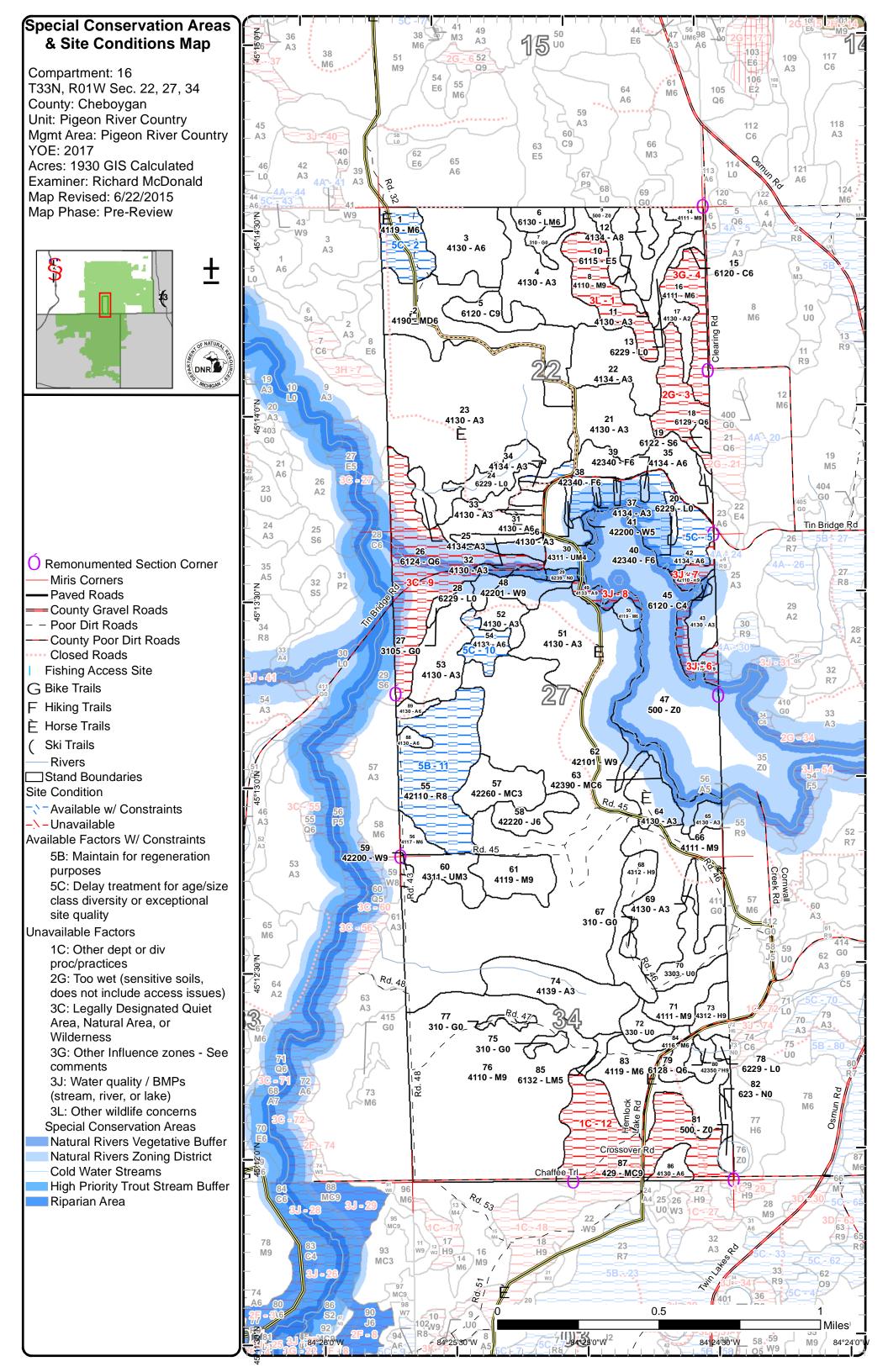
Proposed treatments

Site condition boundaries

Details on the road access system







Pigeon River Country Mgt. Unit

Richard McDonald : Examiner

Compartment 16

Year of Entry 2017



Age Class

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	≯ or	kolej (3 / 5		in Sa	3 / 12	No. Co.	3/8					a la	S. Ja	S	No. PE	3 / 1/2	Dr. Jue	See Long
Aspen	0	5	123	213	99	17	141	0	5	5	0	0	0	0	0	0	0	0	608
Cedar	0	0	0	0	0	0	0	0	3	0	0	0	15	0	0	0	0	0	18
lemlock	0	0	0	0	0	0	0	0	0	31	6	0	0	0	0	0	0	0	37
lerbaceous Openland	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
lack Pine	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	13
ow-Density Trees	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
owland Conifers	0	0	0	0	0	0	0	0	0	3	0	63	23	0	0	0	0	0	89
owland Deciduous	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
owland Mixed Forest	0	0	0	0	0	0	0	7	3	0	0	0	0	0	0	0	0	0	10
₋owland Shrub	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
owland Spruce/Fir	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
lixed Upland Deciduous	0	0	0	0	0	0	54	0	0	0	0	0	0	0	0	0	0	0	54
Natural Mixed Pines	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Northern Hardwood	0	0	0	0	0	10	0	0	68	20	260	0	0	28	0	0	0	19	405
Red Pine	0	0	0	0	0	0	0	0	0	74	0	0	0	0	0	0	0	0	74
Jpland Conifers	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	65	76
Jpland Mixed Forest	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	8	25
Jpland Spruce/Fir	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Vater	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120
Vhite Pine	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	285	298
Total	197	5	144	230	104	42	195	7	82	157	266	63	38	28	0	0	0	377	1935



Report 2 – Treatment Summary

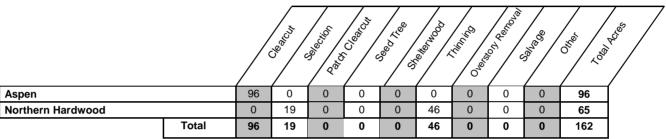
Pigeon River Country Mgt. Unit Year of Entry: 2017

Acres of Harvest

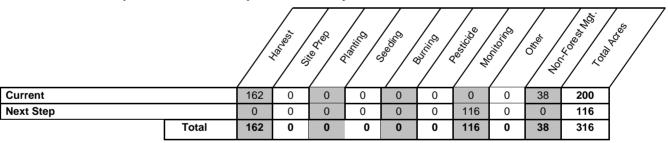
Compartment 16
Total Compartment Acres: 1,930

Commercial Harvest - 0 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 38

Cover Type by Harvest Method



Proposed and Next Step Treatments by Harvest Method



Compartment: 16 Year of Entry: 2017

Openland

DNR DNR DRAW

a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status	1
3	53016003-Cut	34.4	4130 - Aspen	Poletimber Well	53	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal	

Habitat Cut: No Site Condition:

Prescription Clearcut with 2-3 retention islands as well as individual trees of representative species to be left.

Specs:

S

Next Step Treatments:

Acceptable Aspen is the main objective, but any combination of species will be acceptable in determining regeneration success.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

7 53016007-NF 6.2 310 - Herbaceous Nonstocked Unspec NonForestMgt Other - Specify 310 - Herbaceous Openland ified Herbaceous

Habitat Cut: Yes Site Condition:

Prescription Mow, plant, brush, burn, or herbicide to maintain opening. Planting of hard or soft mast.

Specs:

Next Step

Treatments:

<u>Acceptable</u>

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

14 53016014-Cut 5.0 4111 - S.Maple, Sawtimber 95 111- Harvest Crown Thinning 411 - Northern Even-Aged Proposal Hard Mast Well 140 Hardwood

Association

Habitat Cut: No Site Condition:

<u>Prescription</u>
Specs:
This is pretty much a first thinning though the diameters are a little bigger. Not concerned with regeneration at this time. Thin stand using standard hardwood marking guidelines. Identify crop trees and mark to open up the crowns and remove competitors as well as suppressed and

diseased trees. Also, identify and maintain cavity/den trees throughout the stand.

Next Step

Treatments:

<u>Acceptable</u>

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2014

31 53016031-Cut 34.0 4130 - Aspen Poletimber 53 51-80 Harvest Clearcut with 413 - Aspen Even-Aged Proposal Retention

Habitat Cut: No Site Condition:

Prescription Clearcut with 2 -3 retention islands.

Specs:

Next Step Treatments:

Acceptable Aspen is the objective and with the history of woodcock and grouse management aspen should be present in acceptable levels after cutting to be

Regen: considered successful.

Other Horse trail runs adjacent to this stand on the road and should be taken into account when setting up the sale and especially when cutting is

Comment: underway. Old next step comments:

Proposed Start Date: 10/1 /2017

Pigeon River Country Mgt. Unit Report 4 -- Treatments Compartment: 16 s Year of Entry: 2017 t а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age **Approval** n Name CoverType Density Age Range Type Method Objective Structure **Status** d 4134 - Aspen, 53016035-Cut 28.2 Poletimber 81-110 Clearcut with 35 53 Harvest 413 - Aspen Even-Aged Proposal Spruce/Fir Well Retention **Site Condition: Habitat Cut: No** Prescription Final harvest with 2-3 retention islands and a few individual trees of representative species. Protect drainage that splits the stand down the middle Specs: Next Step **Treatments:** Acceptable Aspen regeneration should come back well and anything short of a moderate to well stocked stand of aspen should be considered a failure. Regen: Other Old next step comments: Comment: Proposed Start Date: 10/1 /2016 53016061-Cut 19.0 4119 - Mixed Sawtimber 95 111-Harvest Single Tree 411 - Northern Uneven-Proposal Northern Hardwoods Well 140 Selection Hardwood Aged Habitat Cut: No Site Condition: Prescription Selection cut recommended following hardwood marking guidelines while trying to hit the Beech harder because of the BBD that is sure to spread further throughout the stand. Maintain conifer component in the stand as well as many of the cavity trees in the stand. Specs: Next Step **Treatments:** Though Sugar Maple and Ash would be preferred, any combination of the predominant species mix will be acceptable in determining Acceptable regeneration success Regen: Old next step comments: Other Comment: **Proposed Start Date:** 10/1 /2016 53016067-NF 310 -310 - Herbaceous Nonstocked Unspec NonForestMgt Proposal 2.1 Other - Specify Herbaceous Openland ified Openland **Habitat Cut: Yes Site Condition:** Prescription Mow, plant, brush, burn, or herbicide to maintain opening. Planting of hard or soft mast.

Specs:

Next Step Treatments:

<u>Acceptable</u> Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

Other - Specify 53016070-NF 16.9 3303 - Mixed Low Nonstocked Unspec NonForestMgt 310 -Proposal ified Herbaceous **Density Trees**

Openland

Habitat Cut: Yes Site Condition:

Prescription Mow, plant, brush, burn, or herbicide to maintain opening. Planting of hard or soft mast.

Specs:

Next Step **Treatments:**

<u>Acceptable</u> Regen:

Other Old next step comments:

Comment:

10/1 /2016 **Proposed Start Date:**

Pigeon River Country Mgt. Unit Report 4 -- Treatments Compartment: 16 s Year of Entry: 2017 t а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age **Approval** n Name CoverType Density Age Range Type Method Objective Structure **Status** d 53016072-NF 7.6 330 - Low-Density Unspec NonForestMgt Other - Specify 310 -72 Nonstocked Proposal Trees ified Herbaceous Openland **Habitat Cut: Yes Site Condition:** Prescription Mow, plant, brush, burn, or herbicide to maintain opening. Planting of hard or soft mast. Specs: Next Step Treatments: <u>Acceptable</u> Regen: Other Old next step comments: Comment: 10/1 /2016 **Proposed Start Date:** 53016075-NF 3.4 310 - Herbaceous Nonstocked Unspec NonForestMgt Other - Specify 310 -Proposal ified Herbaceous Openland Openland **Habitat Cut: Yes Site Condition:** Prescription Mow, plant, brush, burn, or herbicide to maintain opening. Planting of hard or soft mast. Specs: Next Step **Treatments:** Acceptable Regen: Other Old next step comments: Comment: **Proposed Start Date:** 10/1 /2016 53016077-NF 310 -2.3 310 - Herbaceous Nonstocked Unspec NonForestMqt Other - Specify Proposal Openland ified Herbaceous Openland **Habitat Cut: Yes Site Condition:** Prescription Mow, plant, brush, burn, or herbicide to maintain opening. Planting of hard or soft mast. Specs: Next Step **Treatments:** <u>Acceptable</u> Regen: **Other** Old next step comments: Comment: 10/1 /2016 **Proposed Start Date:** 53016083-Cut 41.4 4119 - Mixed Poletimber 75 111-411 - Northern Harvest Crown Thinning Even-Aged Proposal Northern Hardwoods Well 140 Hardwood **Habitat Cut: No Site Condition:** Prescription Thin stand down to about 80-90 BA. Identify crop trees and thin by removing two nearest crown competitors as well removing any diseased or Specs: deformed trees. Maintain species diversity throughout the stand. Next Step Treatments: Acceptable Not a regeneration cut. Regen:

Old next step comments:

10/1 /2016

200.5

Other

Comment:

Proposed Start Date:

Total Treatment

Acreage Proposed:

Pigeon River Country Mgt. Unit

Compartment: 16 Year of Entry: 2017 **Richard McDonald: Examiner**

Dominant Site Conditions

	2G	3C	3G	3J	3L	5B	5C
Aspen				5			54
Cedar							
Hemlock							
Herbaceous Openland							
Jack Pine							
Low-Density Trees							
Lowland Conifers	23	63					
Lowland Deciduous							
Lowland Mixed Forest							
Lowland Shrub							
Lowland Spruce/Fir							
Marsh							
Mixed Upland Deciduous							
Natural Mixed Pines							
Northern Hardwood			21		28		20
Red Pine				14		60	
Upland Conifers							
Upland Mixed Forest							
Upland Spruce/Fir							
Water							
White Pine							
Total Forested Acres	23	63	21	19	28	60	74
Relative Percent			-		-	-	-

*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition			
1	Unavailable	3L: Other wildlife concerns	28	Unspecified	Unspecified	Unspecified	Unspecified			
	Comments: Older hardwood stand with aging, large sugar maple with quite a bit of decay resulting in an over abundance of cavity trees with many wildlife benefits. This stand should be left as is to preserve those unique qualities.									

Report 5 – Site Conditions

Pigeon River Country Mgt. Unit Richard McDonald : Examiner

Compartment: 16 Year of Entry: 2017

2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	3G: Other Influence zones - See comments	21	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This stand will be r	more easily managed with an ad	joining s	tand to the east in Compa	artment 17, so will wait unti	I that stand is ready next e	ntry period.
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	44	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
	Comments:						
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report 5 – Site	Conditions
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Pigeon River Country Mgt. Unit Richard McDonald : Examiner

Compartment: 16 Year of Entry: 2017

8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
9	Unavailable	3C: Legally Designated Quiet Area, Natural Area, or Wilderness	63	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
11	Available	5B: Maintain for regeneration purposes	60	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
12	Unavailable	1C: Other dept or div proc/practices	65	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
(Comments:						

Mgt. Unit

Compartment: #Type! Year of Entry:



Report 6 - PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Compartment: 16
Year of Entry 2017



Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

Conservation Area	n Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen condi- stocked trout populations and those of other coldwater fish speci- year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	es (e.g., slimy sculpin) to persist from se conditions due to substantial
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high d communities are ecologically and socially significant in their effect as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, liversity of plants and wildlife. Riparian cts on water quality and quantity, as well
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spapproved distance from the river centerlines. The Natural Rivers most Natural Rivers. The Vegetative Buffer ranges from 25 to 10 and Vegetative Buffers for each Natural River see the table locat folder.	Zoning District is a 400 foot buffer for 00 feet. To view specific Zoning Districts

S t	Pigeon River Country Mgt. Unit S			Report 8	- Forested	Stands Compartment: 16 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4119 - Mixed Northern Hardwoods	Poletimber Well	19.9	75	111-140	
2	4190 - Mixed Upland Deciduous with Cedar	Poletimber Well	54.1	53	81-110	Some drainages with cedar and mature aspen that appears to not have been cut with remainder of stand. Historically has had RSH nest located here.
3	4130 - Aspen	Poletimber Well	35.1	53	111-140	Decent aspen stand but on the small side for it's age. Some wet areas within the stand.
4	4130 - Aspen	Sapling Well	39.2	33	Immature	
5	6120 - Lowland Cedar	Sawtimber Well	14.4	114	111-140	Mature cedar but wet throughout the stand. Relatively small stand providing good thermal cover for wildlife.
6	6130 - Fir, Aspen, Maple	Poletimber Well	6.8	68	51-80	Wet, poor quality swamp
8	4110 - Sugar Maple Association	Sawtimber Well	28.1	120	81-110	Over-mature, unique stand with lots of cavity trees. Much of the larger maple has got some decay. Leave for wildlife benefit and long term retention.
10	6115 - Lowland Ash	Poletimber Medium	1.6	45	1-50	Area of lowland hardwood below beaver dam. Ash is starting to die out.
11	4130 - Aspen	Sapling Well	17.3	33	1-50	
12	4134 - Aspen, Spruce/Fir	Sawtimber Medium	4.5	70	51-80	Small pocket of mature aspen and fir in the middle of a younger aspen stand. Part of this stand is made up of small openings.
14	4111 - S.Maple, Hard Mast Association	Sawtimber Well	5.0	95	111-140	Part of a larger stand north in compartment 10. That stand is being marked in 2015. Manage with that stand. Recommend selective harvest to bring BA down to 80-100.
15	6120 - Lowland Cedar	Poletimber Well	2.6	79	81-110	Small pocket of cedar and other conifers along creek at Clearing Rd. crossing.
16	4111 - S.Maple, Hard Mast Association	Poletimber Well	20.9	95	111-140	Edge of larger hardwood area to the east in comp. 17. Stand transitions into lowland with significant conifer component along that edge.
17	4130 - Aspen	Sapling Medium	8.9	33	Immature	North end has been impacted by beavers and high water levels periodically. Aspen tends to be patchy.

6129 - Mixed

Coniferous Lowland

Forest

6122 - Black Spruce

18

19

Poletimber

Well

Poletimber

Well

22.8

2.7

113

70

51-80

51-80

Poor quality swamp. Very wet in spots.

Wet spruce/tamarack pocket.

S t	Pigeon River Country	/ Mgt. Unit		Report 8	- Forested	Stands Compartment: 16 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	4130 - Aspen	Sapling Well	29.4	15	Immature	
22	4134 - Aspen, Spruce/Fir	Sapling Well	33.6	29	Immature	
23	4130 - Aspen	Sapling Well	139.3	27	Immature	
 25	4134 - Aspen, Spruce/Fir	Sapling Well	5.4	36	1-50	
26	6124 - Lowland Spruce- Fir	Poletimber Well	63.1	100	81-110	Swamp along Cornwall Creek/Pigeon River. Very wet swamp.
30	4311 - Pine, Aspen Mix	Poletimber Poor	8.3	53	1-50	Area surrounding Cornwall dam boat launch area. Heavy recreational use with parking lot and pit toilet. Planted strips of red pine between launch road and old borrow pit area that was used for fill in building the dam.
31	4130 - Aspen	Poletimber Well	34.0	53	51-80	
32	4130 - Aspen	Sapling Well	4.7	39	1-50	One of several narrow strips of younger aspen that were roller chopped in 1974/5 for woodcock habitat. This particular stand seems to be on a drier site and has a fairly open understory
33	4130 - Aspen	Sapling Well	2.1	39	1-50	Small narrow strip roller chopped by wildlife division in 1975 for woodcock habitat. Drier site that some of the other stands that had similar treatment.
34	4134 - Aspen, Spruce/Fir	Sapling Well	1.4	39	1-50	One of several strips that were roller chopped by wildlife in 1975 for woodcock habitat.
35	4134 - Aspen, Spruce/Fir	Poletimber Well	28.2	53	81-110	Stand is on the north side of Tin Bridge Rd. and was split off from stand 42 in order to keep treatments under 40acres. Besides, stand 42 is much smaller at dbh and with thicker conifer component. This stand also extends into compartment 17 (stand 23) and will be included.
36	4130 - Aspen	Sapling Well	1.7	39	1-50	Old woodcock habitat cut from the mid 70's with more of a conifer component due to getting into lower ground.
37	4134 - Aspen, Spruce/Fir	Sapling Well	1.0	39	1-50	Small area roller-chopped in 1975 for woodcock habitat.
38	42340 - Upland Spruce/Fir	Poletimber Well	1.0	39	1-50	Small stand created by roller-chopper back around 1975 for woodcock habitat.
39	42340 - Upland Spruce/Fir	Poletimber Well	1.3	39	51-80	Stand created back around 1975 by roller-chopper for woodcock habitat.

S t	Pigeon River Country Mgt. Unit			Report 8	- Forested	Stands Compartment: 16 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
40	42340 - Upland Spruce/Fir	Poletimber Well	2.5	39	51-80	Narrow strip created by roller-chopper around 1975 for woodcock habitat.
41	42200 - Natural White Pine	Poletimber Medium	1.6	53	1-50	Narrow buffer strip along lakeshore of Cornwall Flooding not to b e cut.
42	4134 - Aspen, Spruce/Fir	Poletimber Well	43.6	53	51-80	Small size for it's age. Separated from stand 35 because of size differential and wanting to wait to treat this part of the stand. Possibly treat next entry of defer to Brian if he wants to do some grouse/woodcock habit
43	4130 - Aspen	Sapling Well	10.1	31	Immature	
44	42110 - Planted Red Pine	Sawtimber Well	5.3	83	81-110	Planted Red Pine along Cornwall shoreline. When this part of stand 42 is cut that would be the opportunity to take out some of this pine.
45	6120 - Lowland Cedar	Poletimber Poor	1.3	110	1-50	Mixed swamp where creek enters Cornwall Flooding.
46	42110 - Planted Red Pine	Sawtimber Well	9.0	83	141-170	Planted Red Pine along shoreline of Cornwall Flooding. Popular camping spot right on the lake. Stand extends into compartment 17. No management in this stand.
48	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	12.5	80	81-110	Strip of mature white pine along slope down to Cornwall Creek and swamp. Maintain this as a retention stand to maintain various habitat needs along creek drainage.
49	4133 - Aspen, Mixed Pine	Sawtimber Well	5.1	80	81-110	Small mature aspen/pine mix along south end of Cornwall dam and along lakeshore. Retention stand.
50	4119 - Mixed Northern Hardwoods	Poletimber Well	4.0	80	81-110	
51	4130 - Aspen	Sapling Well	37.6	14	Immature	
52	4130 - Aspen	Sapling Well	9.8	14	Immature	Some residual Red Pine seed trees left after harvest, approx. 10 BA.
53	4130 - Aspen	Sapling Well	27.8	14	Immature	•
54	4133 - Aspen, Mixed Pine	Poletimber Well	10.6	49	81-110	
55	42110 - Planted Red Pine	Sawtimber Medium	59.7	83	51-80	This stand had a shelterwood cut done in 2000.
56	4117 - Mixed N. Hardwood - Pine	Poletimber Well	6.5	76	51-80	Young hardwood with some mature pine.

S t	Pigeon River Country		Report 8	- Forested	Stands Compartment: 16 Year of Entry: 2017	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
57	42260 - Natural Pine, Mixed Deciduous	Sapling Well	21.0	14	Immature	Seed tree cut done in 2000. Primarily jack pine removed with red pine seed trees left.
58	42220 - Natural Jack Pine	Poletimber Well	12.6	49	81-110	
59	42200 - Natural White Pine	Sawtimber Well	0.9	85	81-110	Small pocket of mature pine left from surrounding clearcut. Good retention stand.
60	4311 - Pine, Aspen Mix	Sapling Well	16.8	24	Immature	
61	4119 - Mixed Northern Hardwoods	Sawtimber Well	19.0	95	111-140	Mature hardwood, heavy to Beech with some BBD in stand. Plenty of cavity trees.
62	42101 - Planted White Pine, Mixed Deciduous	Sawtimber Well	281.8	83	81-110	Planted mixture of pine in 1931 has records of cutting in different areas of the stand. It appears there was a noncommercial TSI in the SW part in 1988. Records also show cutting back in 1965-66 also evident by areas of younger Aspen which is still not commercially viable (3-4"dbh). Past management recommendations were for long-term white pine management of mixed age classes. This stand should be held.
63	42390 - Mixed Non- Pine Upland Conifers	Poletimber Well	10.8	80	111-140	Buffer with a couple fingers of cedar along Cornwall Flooding.
64	4130 - Aspen	Sapling Well	14.9	14	Immature	
65	4130 - Aspen	Sapling Well	4.9	4	Immature	Some white pine residual.
66	4111 - S.Maple, Hard Mast Association	Sawtimber Well	57.6	90	81-110	Stand was selectively cut back in 2009/10.
68	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	21.2	88	81-110	Predominantly Hemlock stand on transition area between hardwood area and pine.
69	4130 - Aspen	Sapling Well	3.1	14	Immature	
71	4111 - S.Maple, Hard Mast Association	Sawtimber Well	16.1	88	51-80	Stand was selectively cut in 2009/10.
73	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	9.8	88	81-110	
74	4139 - Aspen, Mixed Deciduous	Sapling Well	39.8	24	Immature	
76	4110 - Sugar Maple Association	Sawtimber Well	176.1	95	81-110	Stand was selectively cut from 2007 -2010 with a residual BA of 90.

Compartment: 16



S t a n d	Pigeon River Country Mgt. Unit			кероп в	– Forestea	Year of Entry: 2017	AK SOURCE.
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	in'."
79	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	2.6	84	1-50		
80	42350 - Upland Hemlock	Sawtimber Well	6.4	90	81-110		<u> </u>
83	4119 - Mixed Northern Hardwoods	Poletimber Well	41.4	75	111-140	Well-stocked hardwood but smaller in size. Only stand in the area that hasn't been treated.	
84	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	10.1	47	51-80		
85	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	3.1	75	1-50	Wet drainage.	
86	4130 - Aspen	Poletimber Well	6.8	36	51-80		
87	429 - Mixed Upland Conifers	Sawtimber Well	64.8	90	111-140	Mature White Pine and Hemlock mixed with hardwood. Designate as SCA -" other habitat area" called Hemlock Lake Hemlock.	
88	4130 - Aspen	Poletimber Well	3.0	49	81-110		
89	4130 - Aspen	Poletimber Well	3.3	49	51-80		
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Compartment: 16 Year of Entry: 2017



Cover Type	Acres	Managed Site	General Comments:
310 - Herbaceous Openland	6.2	No	Natural unmanaged opening with scattered conifers throughout
500 - Water	7.6	No	Well established beaver pond that has been there for years.
6229 - Mixed lowland shrub	9.6	No	Creek with periodic beaver activity and fluctuating water levels.
6229 - Mixed lowland shrub	1.6	No	Drainage, flooded shrubs that cross Tin Bridge Rd. A few scattered conifers.
6229 - Mixed lowland shrub	13.8	No	Beaver marsh can be rather large at times. Dam is usually right on the road that pass by the west end.
3105 - Mixed Upland Herbaceous	2.0	No	Small natural opening along swamp edge.
6229 - Mixed lowland shrub	3.8	No	Cornwall Creek bottom behind dam with lots of water flowing through.
6239 - Mixed Emergent Wetland	2.3	No	Beaver pond that is drained right now below Cornwall dam.
500 - Water	109.6	No	Cornwall Flooding
310 - Herbaceous Openland	2.1	No	Natural opening with some saplings encroaching around the edge.
3303 - Mixed Low Density Trees	16.9	No	Opening is closing in and being encroached by hardwoods and white pine.
330 - Low-Density Trees	7.6	No	Natural opening with scattered pine and cherry
310 - Herbaceous Openland	3.4	No	
310 - Herbaceous Openland	2.3	No	
6229 - Mixed lowland shrub	2.2	No	
500 - Water	2.8	No	Hemlock Lake
623 - Emergent Wetland	2.6	No	Marsh grass
	310 - Herbaceous Openland 500 - Water 6229 - Mixed lowland shrub 6229 - Mixed lowland shrub 3105 - Mixed Upland Herbaceous 6229 - Mixed lowland shrub 6239 - Mixed Emergent Wetland 500 - Water 310 - Herbaceous Openland 3303 - Mixed Low Density Trees 330 - Low-Density Trees 310 - Herbaceous Openland 310 - Herbaceous Openland 6229 - Mixed lowland shrub 500 - Water	310 - Herbaceous Openland 6.2 500 - Water 7.6 6229 - Mixed Iowland shrub 9.6 6229 - Mixed Iowland shrub 1.6 6229 - Mixed Iowland shrub 2.0 6229 - Mixed Iowland shrub 3.8 6239 - Mixed Emergent Wetland 2.3 500 - Water 109.6 310 - Herbaceous Openland 2.1 3303 - Mixed Low Density Trees 7.6 310 - Herbaceous Openland 3.4 310 - Herbaceous Openland 2.3 6229 - Mixed Iowland shrub 2.2 500 - Water 2.8	Cover Type Acres Site 310 - Herbaceous Openland 6.2 No 500 - Water 7.6 No 6229 - Mixed lowland shrub 9.6 No 6229 - Mixed lowland shrub 1.6 No 3105 - Mixed lowland shrub 13.8 No 6229 - Mixed lowland shrub 3.8 No 6229 - Mixed lowland shrub 3.8 No 500 - Water 109.6 No 310 - Herbaceous Openland 2.1 No 3303 - Mixed Low Density Trees 16.9 No 330 - Low-Density Trees 7.6 No 310 - Herbaceous Openland 3.4 No 310 - Herbaceous Openland 2.3 No 6229 - Mixed lowland shrub 2.2 No 500 - Water 2.8 No