



# Compartment Review Presentation

## Pigeon River Country Forest Management Unit

Compartment 14

Entry Year 2015

Acreage: 1,878

County Cheboygan

Management Area: Pigeon River Country

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**Revision Date:** 08/21/2013

**Stand Examiner:** Richard  
McDonald

### Legal Description:

T33N R01W Sections 20, 29 and 32

### 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:

Flat and gently rolling terrain. Predominantly sandy soil types throughout the compartment of varying names and associations, except in the lowland swamp types.

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

Solid state ownership throughout and adjacent to the compartment.

### Unique Natural Features:

A representative from Michigan's Natural Features Inventory should be on hand at the formal compartment review to give further detail on any unique natural features.

### Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

### Special Management Designations or Considerations:

Stands 1 and 2 lie within the Grindstone Creek Hardwood Natural Area.

### Watershed and Fisheries Considerations:

A couple of small creeks and drainages flow east to feed the Pigeon River, a Natural River.

### Wildlife Habitat Considerations:

Treatments in this compartment will provide early successional habitat in both aspen and, through creation of regeneration gaps, in northern hardwood. Elk, deer, woodcock and other game and non-game species will use these areas. Portions of the northern hardwood areas will remain untreated in this decade and will provide potential habitat for marten, black throated blue warblers and other species.

### Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse textured glacial till and minor glacial outwash sand and gravel. Glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift is the Devonian Antrim shale that is quarried for clay/shale and cement products elsewhere in the State. The nearest gravel pit is located one and a half miles to the southeast and potential is considered good. This area was previously leased for oil and gas development. The Antrim Shale is thinning in this area and the Niagaran trend lies to the south and east. There is very limited oil and gas potential for known producing formations in this compartment.

### Vehicle Access:

There is good access to most, if not all, of the compartment. Most of the roads, however, have been closed to wheeled motorized vehicles with virtually all those closures still intact.

### Survey Needs:

None required.

### Recreational Facilities and Opportunities:

The High Country Pathway runs the entire length of the compartment.

**Fire Protection:**

Access is good in case of any fire suppression efforts, though the area is generally at low risk to any wildfire potential.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

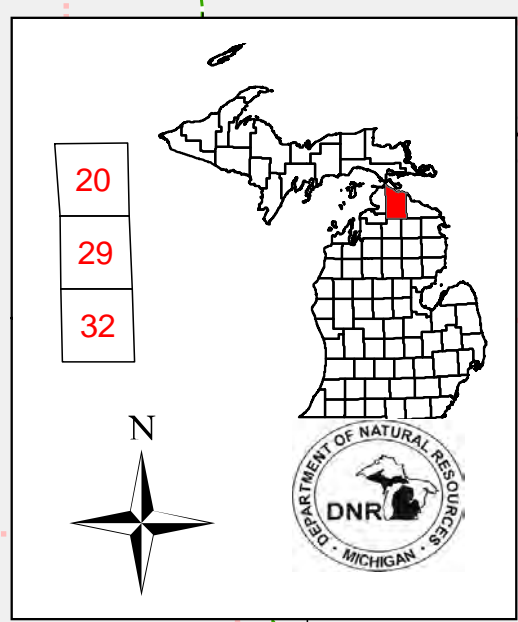
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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**

# Cover Type & Treatment Map

Compartment: 014  
 T33N R01W Sec. 20, 29, 32  
 County: Cheboygan  
 Unit: Pigeon River Country  
 YOE: 2015  
 Acres: 1,878 GIS Calculated  
 Examiner: Richard McDonald  
 Map Revised: 04/24/2013  
 Map Phase: Pre-Review



### Legend

- Survey Grade
- Remonumented Section Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Stream
- Intermittent Stream
- Bike Trails
- Hiking Trails
- Ski Trails
- Bike Trail
- Ski Trail
- Hiking Trail

### Treatments

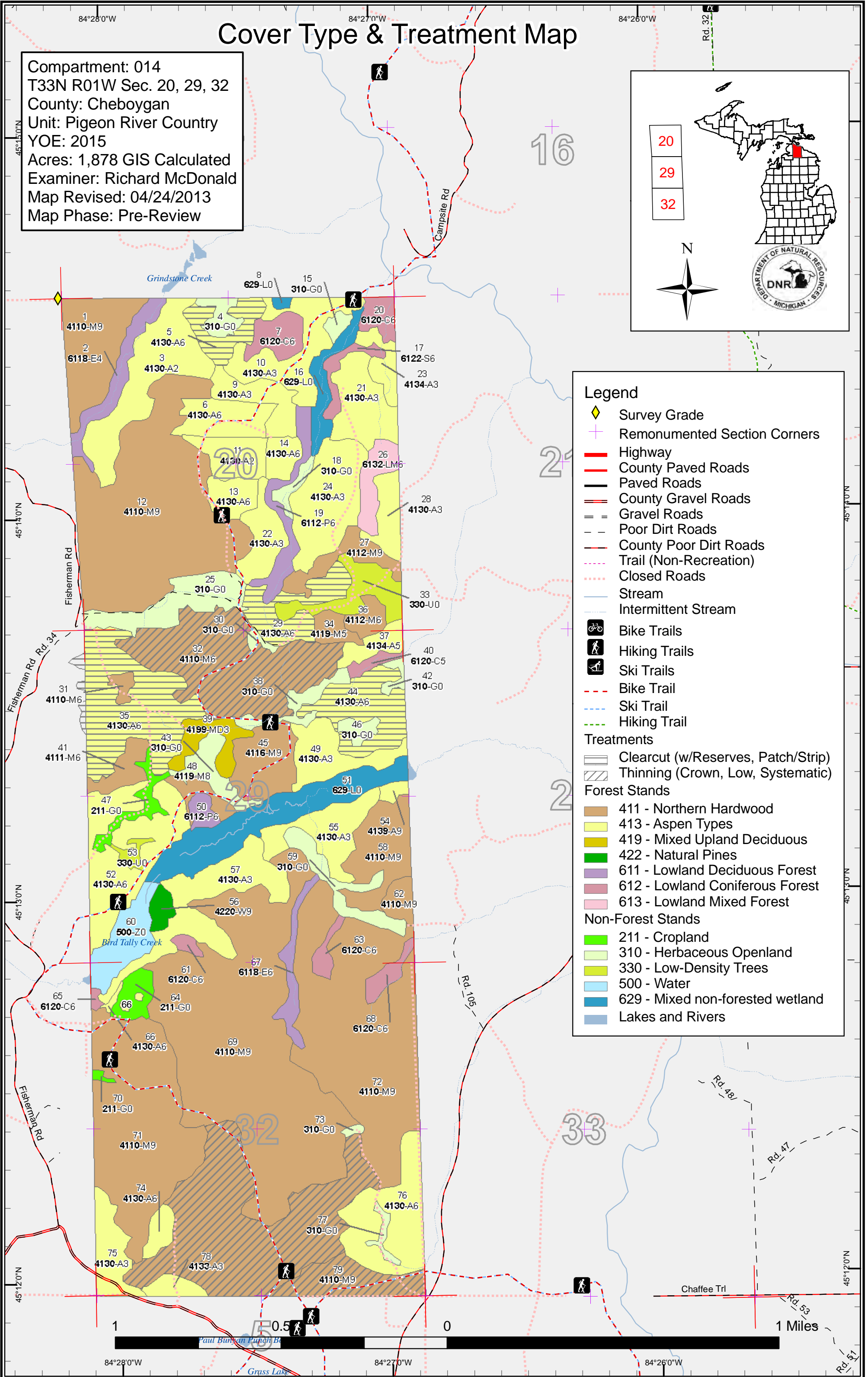
- Clearcut (w/Reserves, Patch/Strip)
- Thinning (Crown, Low, Systematic)

### Forest Stands

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

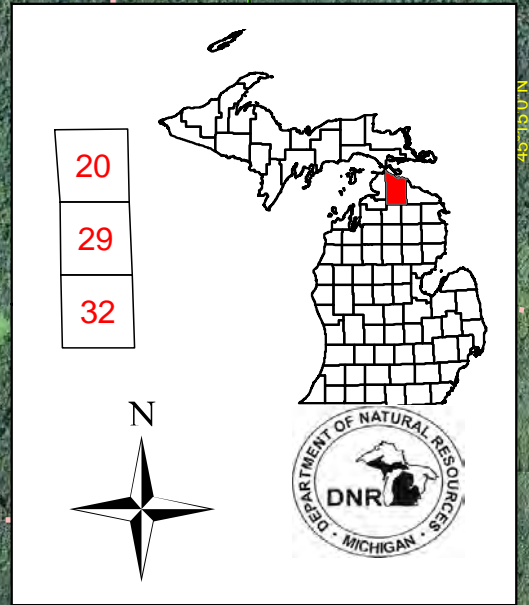
### Non-Forest Stands

- 211 - Cropland
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 629 - Mixed non-forested wetland
- Lakes and Rivers



# Stand Boundary Map

Compartment: 014  
 T33N R01W Sec. 20, 29, 32  
 County: Cheboygan  
 Unit: Pigeon River Country  
 YOE: 2015  
 Acres: 1,878 GIS Calculated  
 Examiner: Richard McDonald  
 Map Revised: 04/24/2013  
 Map Phase: Pre-Review



### Legend

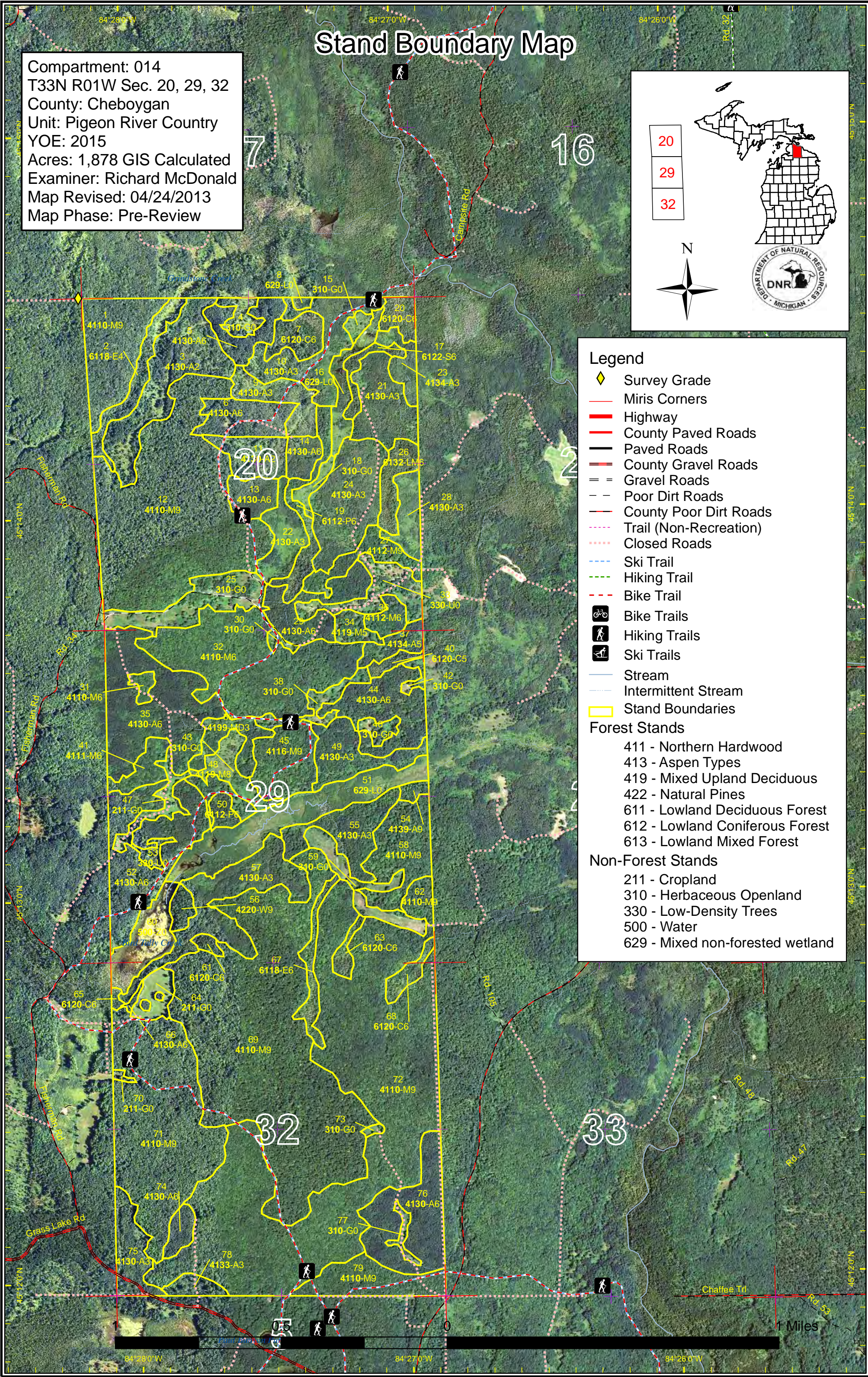
- Survey Grade
- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Ski Trail
- Hiking Trail
- Bike Trail
- Bike Trails
- Hiking Trails
- Ski Trails
- Stream
- Intermittent Stream
- Stand Boundaries

### Forest Stands

- 411 - Northern Hardwood
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- 419 - Mixed Upland Deciduous
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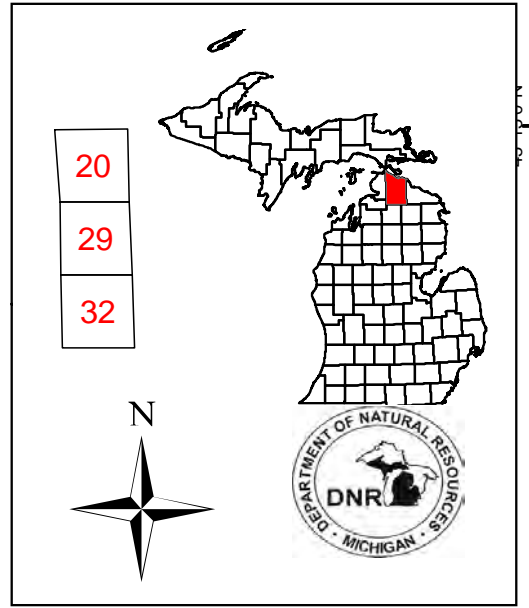
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- 330 - Low-Density Trees
- 500 - Water
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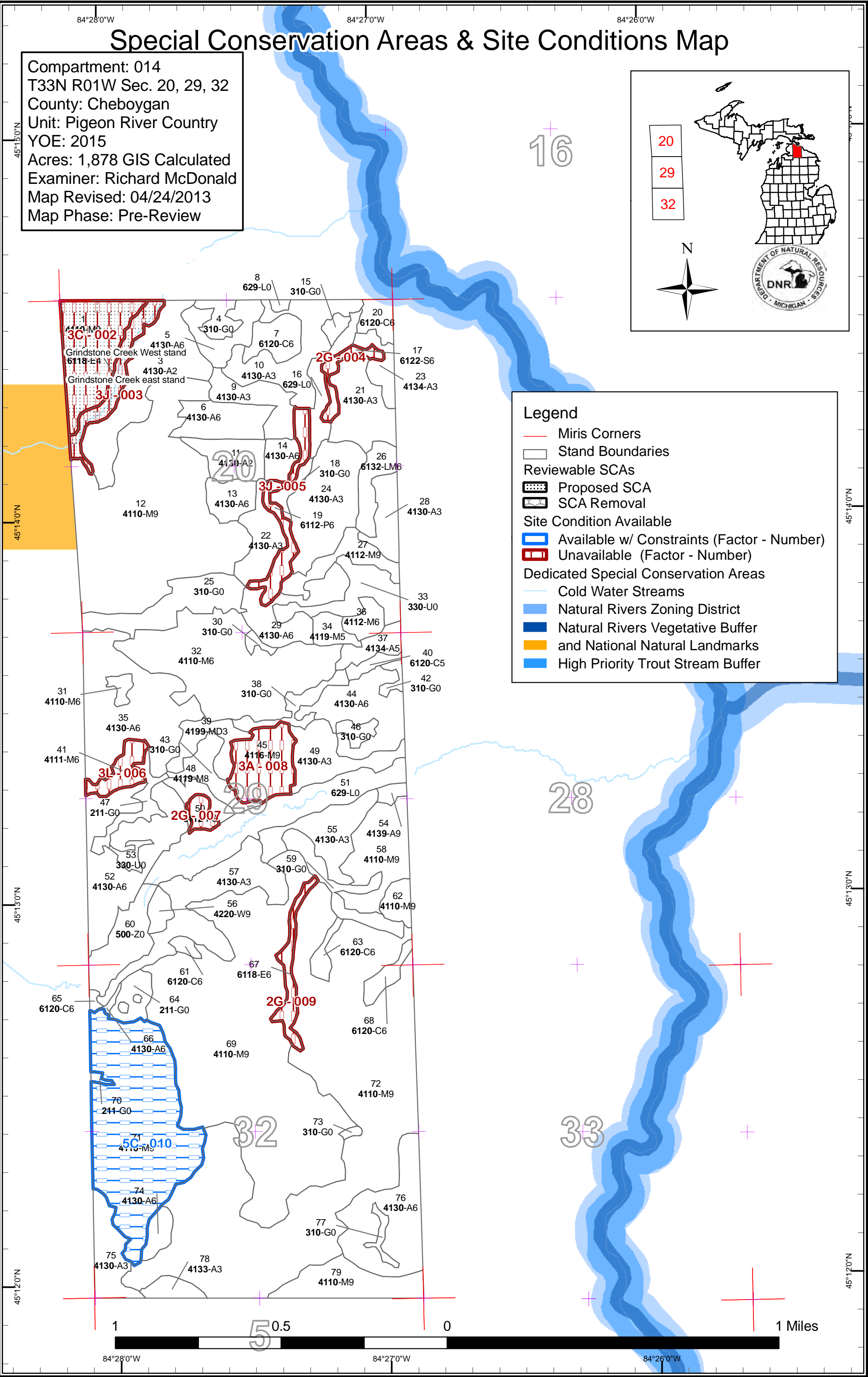
# Special Conservation Areas & Site Conditions Map

Compartment: 014  
 T33N R01W Sec. 20, 29, 32  
 County: Cheboygan  
 Unit: Pigeon River Country  
 YOE: 2015  
 Acres: 1,878 GIS Calculated  
 Examiner: Richard McDonald  
 Map Revised: 04/24/2013  
 Map Phase: Pre-Review



**Legend**

- Miris Corners
- Stand Boundaries
- Reviewable SCAs**
- Proposed SCA
- SCA Removal
- Site Condition Available**
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)
- Dedicated Special Conservation Areas**
- Cold Water Streams
- Natural Rivers Zoning District
- Natural Rivers Vegetative Buffer and National Natural Landmarks
- High Priority Trout Stream Buffer



**Report 1 – Total Acres by Cover Type and Age Class**



	Age Class														Total
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +	Uneven Age	
Aspen	0	49	228	132	155	24	0	0	3	0	0	0	0	0	592
Cedar	0	0	0	0	0	0	4	0	0	20	13	0	0	0	36
Cropland	18	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Herbaceous Openland	89	0	0	0	0	0	0	0	0	0	0	0	0	0	89
Low-Density Trees	22	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	15	5	0	0	0	0	0	0	20
Lowland Deciduous	0	0	0	0	0	0	0	0	0	10	0	15	0	0	25
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	12	0	0	0	0	12
Lowland Shrub	59	0	0	0	0	0	0	0	0	0	0	0	0	0	59
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	6	0	0	0	0	6
Mixed Upland Deciduous	0	0	0	13	0	0	0	0	0	0	0	0	0	0	13
Northern Hardwood	0	0	0	0	0	0	0	14	0	919	0	0	0	30	962
Water	20	0	0	0	0	0	0	0	0	0	0	0	0	0	20
White Pine	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5
<b>Total</b>	<b>208</b>	<b>49</b>	<b>228</b>	<b>145</b>	<b>155</b>	<b>24</b>	<b>19</b>	<b>18</b>	<b>3</b>	<b>971</b>	<b>13</b>	<b>15</b>	<b>0</b>	<b>30</b>	<b>1878</b>



## Report 2 – Proposed Treatment Summaries

Don River Country Mgt. Unit  
Year of Entry 2015

Compartment 014  
Total Compartment Acres: 1,878

### Acres by Treatment Type

Commercial Harvest - 354    Tree Planting - 0    Other - 0  
Habitat Cut - 0    Opening Maintenance - 17

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen Types	130	0	0	0	0	0	130
Northern Hardwood	0	0	0	0	224	0	224
<b>Total</b>	<b>130</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>224</b>	<b>0</b>	<b>354</b>



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
5 53014005-Cut	14.5	4130 - Aspen	High Density Pole	43	51-80	Harvest	Clearcut	4130 - Aspen	Cmpt. Review Proposal

Prescription Clearcut with no retention because of its small size. There will be opportunities for retention in the area in some of the other larger, more contiguous stands nearby at a later time. This stand extends north into compartment 8 and will be cut as well.

Other Comments: This stand is fairly isolated and so will need to be combined with other Aspen stands in this compartment to make it more desirable.

Next Steps: There will be a need for follow up regeneration surveys to gauge successful Aspen regeneration after the sale is complete and according to the work instructions timetable.

Proposed Start Date: 10/01/2014

29 53014029-Cut	22.6	4130 - Aspen	High Density Pole	52	81-110	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription Clearcut this stand of maturing Aspen. There will be opportunities for instand retention, both individual and small uncut islands. I expect there to be successful regeneration of Aspen in this stand though some stands to the east have had some browsing damage in the past.

Other Comments:

Next Steps: A followup regeneration survey will be needed to judge regeneration success after the sale is complete and according to the work instructions timetable.

Proposed Start Date: 10/01/2014

32 53014032-Cut	81.6	4110 - Sugar Maple Association	High Density Pole	95	81-110	Harvest	Crown Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal
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Prescription A crown thinning is recommended in this stand using hardwood marking guidelines. Increase crown gaps for remaining crop trees by removing less desirable competitors. There is a fairly low percentage of White Ash which is infected with EAB. Ash should be removed from the stand if still merchantable, otherwise they may be used as potential den trees or coarse woody debris in the event they start falling over.

Other Comments: Special attention should be paid to the High Country Pathway that runs through the center of this stand in order to minimize the impacts to the trail from logging activities. Limit the amount of crossing locations by skidders and locate decking areas away from the trail area if at all possible.

Next Steps:

Proposed Start Date: 10/01/2014

35 53014035-Cut	62.6	4130 - Aspen	High Density Pole	42	111-140	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription Clearcut with reserves. Leave 2-3 uncut islands for retention purposes. There are some existing hardwood islands already within this stand which may be incorporated into any uncut islands or may serve the purpose of uncut islands. This stand extends to the west into Comp. 13. We may want to look at including some of that Aspen so as not to have the straight line effect with the sale boundary created by the compartment line. This stand already exceeds 40 acres, so will need to inform the Advisory Council of any cutting that far exceeds the 40 acre limit per stand.

Other Comments: Aspen should regenerate well, but any combination of species that comprise a mixed upland forest will be acceptable as regeneration success. If, however, aspen is unsuccessful in regenerating due to over-browsing or other environmental factors and leads to more of an upland brush type, this is acceptable to wildlife division as it contributes towards the overall goals of that type in the Elk Management Plan.

Next Steps: Upon harvest completion of this stand, a regeneration survey will be conducted within 4-5 years of that completion date to determine regeneration success.

Proposed Start Date: 10/01/2014





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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
44 53014044-Cut	30.2	4130 - Aspen	High Density Pole	42		Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal

Prescription Clearcut with reserves. Leave 2-3 uncut hardwood pockets or aspen clones for retention purposes as well as some individual trees, preferably conifers.  
Specs:

Other Aspen should regenerate well, but any combination of species that comprise a mixed upland forest will be acceptable as regeneration success.  
Comments: If, however, aspen is unsuccessful in regenerating due to over-browsing or other environmental factors and leads to more of an upland brush type, this is acceptable to wildlife division as it contributes towards the overall goals of that type in the Elk Management Plan.

Next Upon harvest completion of this stand, a regeneration survey will be conducted within 4-5 years of that competition date to determine regeneration success.  
Steps:

Proposed  
Start Date: 10/01/2014

72 53014072-Cut	118.7	4110 - Sugar Maple Association	High Density Log	95	111-140	Harvest	Crown Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal
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Prescription Create crown spacing around identified crop trees by removing 2 nearest competitors. Reduce BA down to 80-90 by also removing lesser quality deformed/diseased trees to improve the overall health of the stand. There is relatively low percentage of White Ash, but nearly all is infected with EAB. All ash should be removed from the stand unless unmerchantable.  
Specs:

Other No BBD was found in this stand though it has been found to the west. It should be monitored at time of sale prep. for existence of the disease and managed accordingly if found. Only the west half of the stand has been prescribed. The east half was left for structural diversity. Special attention should also be paid to the hiking trail that runs through this stand.  
Comments:

Next  
Steps:

Proposed  
Start Date: 10/01/2014

79 53014079-Cut	23.7	4110 - Sugar Maple Association	High Density Log	95	111-140	Harvest	Crown Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal
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Prescription See stand 72 prescription notes.  
Specs:

Other This stand will be treated with stand 72. There is an Oak component to this stand that should be preserved.  
Comments:

Next  
Steps:

Proposed  
Start Date: 10/01/2014

47 NF_53014047-NonFor	8.5	2113 - Forage Crops				Non-Forest Management	Other - Specify	99999 - Multiple/Other Specify in Comments	Cmpt. Review Proposal
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Prescription  
Specs:

Other Managed wildlife opening. Opening is worked on an annual basis. Presently, appears to have been disced and planted to Buckwheat.  
Comments:

Next  
Steps:

Proposed  
Start Date: Unspecified



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
64 NF_53014064-NonFor	8.4	2113 - Forage Crops				Non-Forest Management	Mowing	3102 - Grass	Cmpt. Review Proposal

Prescription  
Specs:

Other Managed wildlife opening. Opening consists of grass which is mowed on an annual basis.  
Comments:

Next  
Steps:

Proposed  
Start Date: Unspecified

**Total Treatment  
Acreage Proposed: 370.7**



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Type!

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Type!

Limiting Factor

**Total Treatment  
Acreage Proposed: 0**

## Report 5 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment 014

Richard McDonald : Examiner

Year of Entry 2015

### Availability for Management

Total Acres	Acres Available	Acres Not Available		Dominant Site Conditions						
				No	5C	3L	3J	3C	3A	2G
592	592		Aspen	592						
30	30		Cedar	30						
20		20	Lowland Aspen/Balsam Poplar				15			5
25		25	Lowland Deciduous				15			10
18	18		Lowland Mixed Forest	18						
6		6	Lowland Spruce/Fir							6
13	13		Mixed Upland Deciduous	13						
962	892	70	Northern Hardwood	788	104	9		37	24	
5	5		White Pine	5						
1,669	1,549	121	Total Forested Acres	1,445	104	9	30	37	24	21
	93%	7%	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
002	Not Available	3C: Designated Quiet Area, Natural Area, or Wilderness	37				
<b>Comments:</b>							
003	Not Available	3J: Water quality / BMPs (stream, river, or lake)	15				
<b>Comments:</b>							
004	Not Available	2G: Too wet (sensitive soils, does not include access issues)	6				
<b>Comments:</b>							

## Report 5 – Site Conditions

Pigeon River Country Mgt. Unit  
Richard McDonald : Examiner

Compartment 014  
Year of Entry 2015

005	<b>Not Available</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	15
<b>Comments:</b>			
006	<b>Not Available</b>	<b>3L: Other wildlife concerns</b>	9
<b>Comments:</b> Poor quality timber, but evidence of Pine Marten winter activity. This stand appeared to have many cavity trees and other elements they may need to thrive in the area			
007	<b>Not Available</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	5
<b>Comments:</b>			
008	<b>Not Available</b>	<b>3A: Potential old growth / biodiversity</b>	24
<b>Comments:</b> This stand has many old growth qualities including a large amount of cavity trees. Good potential pine marten habitat, as well as, RSH.			
009	<b>Not Available</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	10
<b>Comments:</b>			
010	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	104
<b>Comments:</b>			



**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
<b>Grindstone Creek east stand</b>	Type 1 or Type 2 Old Growth	Verified Type 2 Old Growth Area	<b>SCA</b>	14.7
<b>Comments</b>				
Steep drainage of Grindstone Creek. Most of heavier timber is toward the south end of the stand, toward the headwaters. As you go downstream it thins way out to some grassy areas.				
<b>Grindstone Creek West stand</b>	Type 1 or Type 2 Old Growth	Verified Type 2 Old Growth Area	<b>SCA</b>	36.8
<b>Comments</b>				
Nice hardwood stand that is part of Grindstone Creek Hardwood "Natural Area"				



## Report 7 – DEDICATED CONSERVATION AREA DETAILS

\* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

ERA = Ecological Reference Area  
HCVA = High Conservation Value Area  
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Legally dedicated Natural Areas, Wilderness or Wild Areas	The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4110 - Sugar Maple Association	High Density Log	36.8	97	141-170	Nice hardwood stand that is part of Grindstone Creek Hardwood "Natural Area"
2	6118 - Lowland Deciduous with Cedar	Low Density Pole	14.7	116	1-50	Steep drainage of Grindstone Creek. Most of heavier timber is toward the south end of the stand, toward the headwaters. As you go downstream it thins way out to some grassy areas.
3	4130 - Aspen	Medium Density	44.6	22		The stand has been impacted by browsing. Aspen regen. is thin in some areas with thick pockets of Ironwood, cherry and maple. There is, however, some nice pockets of aspen regen. with some reaching pole size.
5	4130 - Aspen	High Density Pole	14.5	43	51-80	Pretty nice aspen stand, but a long way back in for a small stand. Possibly wait until other nearby stands are ready to cut in next rotation.
6	4130 - Aspen	High Density Pole	18.6	36	51-80	Aspen stand on good soil developing a strong Sugar Maple component
7	6120 - Lowland Cedar	High Density Pole	11.5	97	171-200	Pocket of Cedar, wet stand with springs that flow north.
9	4130 - Aspen	High Density Sapling	16.1	14		
10	4130 - Aspen	High Density Sapling	31.4	21		Good aspen. Wet in several areas.
11	4130 - Aspen	Medium Density	15.2	23		Semi-open areas full of Black/Raspberry.
12	4110 - Sugar Maple Association	High Density Log	142.0	95	81-110	
13	4130 - Aspen	High Density Pole	10.4	36	81-110	
14	4130 - Aspen	High Density Pole	7.7	36	81-110	
17	6122 - Black Spruce	High Density Pole	6.1	95	51-80	Strip of spruce left along small stream after stand 12 was cut.
19	6112 - Lowland Aspen	High Density Pole	15.1	67	81-110	Uncut buffer strip along stream left after adjacent aspen clearcuts over several entries. EAB is present but with too low volumes of ash for a practical salvage. Also, not high value trees.
20	6120 - Lowland Cedar	High Density Pole	7.2	91	171-200	Wet Cedar stand with 2 small creeks flowing into the Pigeon River.
21	4130 - Aspen	High Density Sapling	25.0	36		



S t a n d	Pigeon River Country Mgt. Unit		Report 8 – Forested Stands			Compartment: 014	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2015	
22	4130 - Aspen	High Density Sapling	15.7	14			
23	4134 - Aspen, Spruce/Fir	High Density Sapling	9.0	23			Nice young aspen, part of a larger stand that extends to the west into adjacent compartment.
24	4130 - Aspen	High Density Sapling	38.5	23			Nice regenerating aspen stand.
26	6132 - Mixed Lowland Forest with Cedar	High Density Pole	11.7	92	171-200		Wet aspen with cedar just underneath. Everything around it has been cut. Seems this area acts as a sink for surrounding water runoff which feeds a small stream that flows north into the Pigeon River.
27	4112 - Maple, Beech, Cherry Association	High Density Log	13.7	75	1-50		Poor quality, multiple stem wood of varying age classes. RSH nest in birch tree.
28	4130 - Aspen	High Density Sapling	11.7	14			Nice regeneration. Some pockets that are semi-open scattered throughout.
29	4130 - Aspen	High Density Pole	22.6	52	81-110		Aspen in poor condition in some areas. Some Ash in the stand, but on the edge of the hardwood sand.
31	4110 - Sugar Maple Association	High Density Pole	3.0	95	81-110		Pocket of hardwood within Aspen stand that was cut about 40 yrs. ago. This stand was apparently left after cutting.
32	4110 - Sugar Maple Association	High Density Pole	81.6	95	81-110		Decent quality hardwood. EAB infecting most of the ash, but no mortality as of yet.
34	4119 - Mixed Northern Hardwoods	Medium Density Pole	6.4	95	51-80		
35	4130 - Aspen	High Density Pole	60.4	42	111-140		EAB found in the stand, but no mortality as of yet. Good aspen with some pockets of poor hardwood saplings and small poles like Ironwood, cherry, ash & sugar maple clumps.
36	4112 - Maple, Beech, Cherry Association	High Density Pole	6.7	95	51-80		Mostly poor quality Red Maple with over-mature Aspen working well as cavity trees.
37	4134 - Aspen, Spruce/Fir	Medium Density Pole	8.6	26	1-50		
39	4199 - Other Mixed Upland Deciduous	High Density Sapling	12.7	35			
40	6120 - Lowland Cedar	Medium Density Pole	3.6	65	51-80		Stretch of cedar along short drainage
41	4111 - S.Maple, Hard Mast Association	High Density Pole	9.4	97	111-140		Moderate quality hardwood. Many multistemmed trees. Quite a few cavity trees. Pine Marten tracks throughout the stand.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
44	4130 - Aspen	High Density Pole	30.2	42		
45	4116 - Mixed N. Hardwood - Aspen	High Density Log	24.0	95	111-140	Poor quality hardwood, over-mature aspen with lots of cavities. EAB is in the stand - no mortality yet. Hiking trail goes through the stand.
48	4119 - Mixed Northern Hardwoods	Medium Density Log	6.7	95	1-50	
49	4130 - Aspen	High Density Sapling	21.3	26		
50	6112 - Lowland Aspen	High Density Pole	4.7	76	1-50	Somewhat of a bowl that drains into the creek. A vernal pond or more like inundated shrubs at the head of it is wet most of the time.
52	4130 - Aspen	High Density Pole	50.3	42	81-110	Quite a mix species. Several ridges sloping towards the creek surrounding wildlife openings. Some areas areas have really good Sugar Maple understory.
54	4139 - Aspen, Mixed Deciduous	High Density Log	2.7	85	51-80	Relatively steep slope along creek that was not cut when surrounding stand was cut.
55	4130 - Aspen	High Density Sapling	23.8	32		
56	42200 - Natural White Pine	High Density Log	5.0	97	111-140	Small pocket of mature pine along creek. Too small to cut on it's own. Possibly wait until surrounding timber is old enough to cut. Until then, treat as a retention stand.
57	4130 - Aspen	High Density Sapling	41.7	24		
58	4110 - Sugar Maple Association	High Density Log	29.7	Uneven Age	81-110	This stand was cut heavily 20-25 years ago and had Aspen and hardwood removed. There is a pretty heavy sapling growth of Sugar Maple and White Ash.
61	6120 - Lowland Cedar	High Density Pole	2.3	109	141-170	Wet drainage out of hardwoods.
62	4110 - Sugar Maple Association	High Density Log	6.5	95	81-110	Good quality hardwood that was thinned with a larger stand to the east in 2002. Most all the ash in the area is infected with EAB.
63	6120 - Lowland Cedar	High Density Pole	4.3	109	81-110	Wet drainage out of the hardwoods
65	6120 - Lowland Cedar	High Density Pole	1.1	95	51-80	Tip of cedar stand along Bird Tally Creek most of which is in comp 13 to the west.
66	4130 - Aspen	High Density Pole	1.8	51	81-110	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
67	6118 - Lowland Deciduous with Cedar	High Density Pole	9.9	92	81-110	Long, wet drainage out of the hardwoods.
68	6120 - Lowland Cedar	High Density Pole	5.9	105	81-110	Very wet stand with seeps and springs. Drainage within hardwood.
69	4110 - Sugar Maple Association	High Density Log	211.2	95	81-110	Nice quality hardwood. Stand was thinned in 2009. EAB found throughout stand, as well as, BBD found toward the south end along the High Country Pathway which passes through the south end of the stand.
71	4110 - Sugar Maple Association	High Density Log	103.8	97	111-140	Nice hardwood that was thinned in 1999-2000. Wait until next entry period to reenter this stand. EAB was found within this stand, but no mortality as of yet.
72	4110 - Sugar Maple Association	High Density Log	256.9	95	111-140	Good hardwood, only stand in section not treated, although it did have Aspen removed at one time. Lots of cavities in Beech. Nearly all White Ash are infected with EAB.
74	4130 - Aspen	High Density Pole	6.3	36	51-80	
75	4130 - Aspen	High Density Sapling	17.3	25		
76	4130 - Aspen	High Density Pole	40.4	36	51-80	EAB found in some of the ash within this stand.
78	4133 - Aspen, Mixed Pine	High Density Sapling	5.9	18		Some scattered mature Oak left after stand was cut.
79	4110 - Sugar Maple Association	High Density Log	23.7	95	111-140	Good hardwood. Thinned in 1995-96 with stand to the south in comp 32. EAB found in the ash



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	3105 - Mixed Upland Herbaceous	6.5	No	Unspecified	
8	629 - Mixed non-forested wetland	1.2	N/A	Unspecified	Periodically flooded by beavers
15	3105 - Mixed Upland Herbaceous	3.0	No	Unspecified	
16	629 - Mixed non-forested wetland	12.0	No	Unspecified	Creek bottom with a history of beaver activity. North end of stream has recent activity with older, inactive ones to the south.
18	3102 - Grass	4.3	No	Unspecified	Old beaver flooded area that is mostly grass and heavily browsed brush along stream banks.
25	3105 - Mixed Upland Herbaceous	26.2	No	Unspecified	Semi-open openings are grassy/fern with pockets of hardwood. Autumn Olive planted along south edge and is spreading throughout the opening. High Country Pathway on trail road on east end.
30	31021 - Cool Season Grass	2.0	No	Unspecified	
33	3303 - Mixed Low Density Trees	19.0	No	Unspecified	
38	3102 - Grass	9.3	No	Unspecified	
42	3102 - Grass	2.5	No	Unspecified	Natural grass opening
43	3102 - Grass	12.2	No	Unspecified	Grassy opening with scattered cherry and Balsam Fir
46	3102 - Grass	4.1	No	Unspecified	Natural opening with a few scattered hardwood trees
47	2113 - Forage Crops	8.5	No	Unspecified	Planted wildlife opening with what appears to be buckwheat
51	629 - Mixed non-forested wetland	45.8	N/A	Unspecified	Bird Tally Creek bottom with marsh grass, pockets of tag alders and flooded dead timber.
53	3303 - Mixed Low Density Trees	3.2	No	Unspecified	
59	3102 - Grass	15.3	No	Unspecified	Managed wildlife opening - mowed grass
60	50 - Water	20.1	No	Unspecified	perennial beaver pond



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
64	2113 - Forage Crops	8.4	No	Unspecified	managed wildlife opening - planted buckwheat
70	2113 - Forage Crops	0.9	No	Unspecified	Managed wildlife opening with primarily grass that is maintained with mowing.
73	3105 - Mixed Upland Herbaceous	1.1	No	Unspecified	Small opening in middle of hardwoods obviously created whill in private ownership. It was used as landing location for adjacent timber sale.
77	3105 - Mixed Upland Herbaceous	3.0	No	Unspecified	