



# Compartment Review Presentation

## Pigeon River Country Forest Management Unit

Compartment 35

Entry Year 2016

Acreage: 1,888

County Cheboygan

Management Area: Pigeon River Country

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**Revision Date:** 08/29/2014

**Stand Examiner:** Greg Rekowski

**Legal Description:**

T32N - R01W, Sections 10, 11, and 12

**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:**

In general this compartment is gently rolling, however, some steeper hills are found in the hardwood areas of sections 11 and 12. The Pigeon River flows through a steep sided valley in the western-most portion of section 10.

The predominate soil type in the hardwood area of sections 11 and 12 is Leelanau loamy sand. Section 10 and the west portion of section 11 are dominated by Grayling and Rubicon sands. Peats and mucks are found along the Pigeon River and around Hardwood Lake.

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

Solid state ownership, both within and around the compartment.

**Unique Natural Features:**

There are documented occurrences of Hill's thistle and red-shouldered hawk within this compartment. Two sinkhole lakes, North and South Twin Lakes, are located within section 10 of this compartment.

**Archeological, Historical, and Cultural Features:**

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

The Pigeon River is a state-designated Natural River. A proposed Special Conservation Area (SCA) would include the Pigeon River, its associated Natural River buffer, and the steeper parts of the surrounding valley walls. This proposed SCA will extend north and south of the compartment and will be similar to what is already in place for the Sturgeon River valley.

**Watershed and Fisheries Considerations:**

The Pigeon River flows through section 10 of this compartment. North and South Twin Lakes are also in section 10 but are not open to public fishing. Hardwood Lake is located in section 11.

**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 coarse-textured glacial till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift is the Devonian Antrim Shale that is quarried for cement products elsewhere in the State. A former gravel pit is located in Section 10 and potential is considered good. However, page 30 of the Concept of Management for the PRC says that extraction of surface minerals will rarely be allowed. This area was previously leased for Niagaran oil and gas development and several wells were drilled including producing wells. Additional reefs are likely in the compartment. The Antrim Shale is present and has potential. However, the entire compartment is in the Consent Order Area and, as provided on page 33 of the Concept of Management, no new leases will be issued in this Area.

**Vehicle Access:**

There is good access throughout the majority of the compartment.

**Survey Needs:**

None required.

**Recreational Facilities and Opportunities:**

The Elk Hill Group Camp as well as a small portion of the Elk Hill Trail Camp are located in section 10 of this compartment. The Pigeon River Campground is also located in section 10. The Shingle Mill and High Country Pathways both pass through section 10 of this compartment, while the North Spur of the Shore to Shore trail passes through sections 10 and 11.

**Fire Protection:**

Wildfire potential is moderate-to-high as the western-half of this compartment is dominated by pine cover types. Access is generally good in case of any fire suppression efforts.

**Additional Compartment Information:**

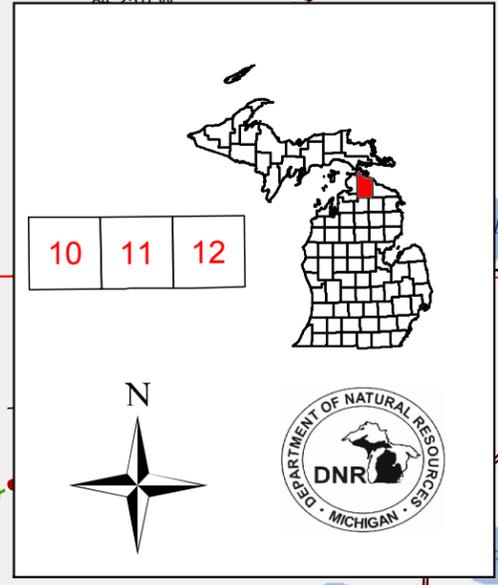
The following reports from the Inventory are attached:

- 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**

Compartment: 035  
 T32N R01W Sec. 10,11,12  
 County: Cheboygan  
 Unit: Pigeon River Country  
 YOE: 2016  
 Acres: 1,888 GIS Calculated  
 Examiner: Greg Rekowski  
 Map Revised: 06/27/2014  
 Map Phase: Pre-Review

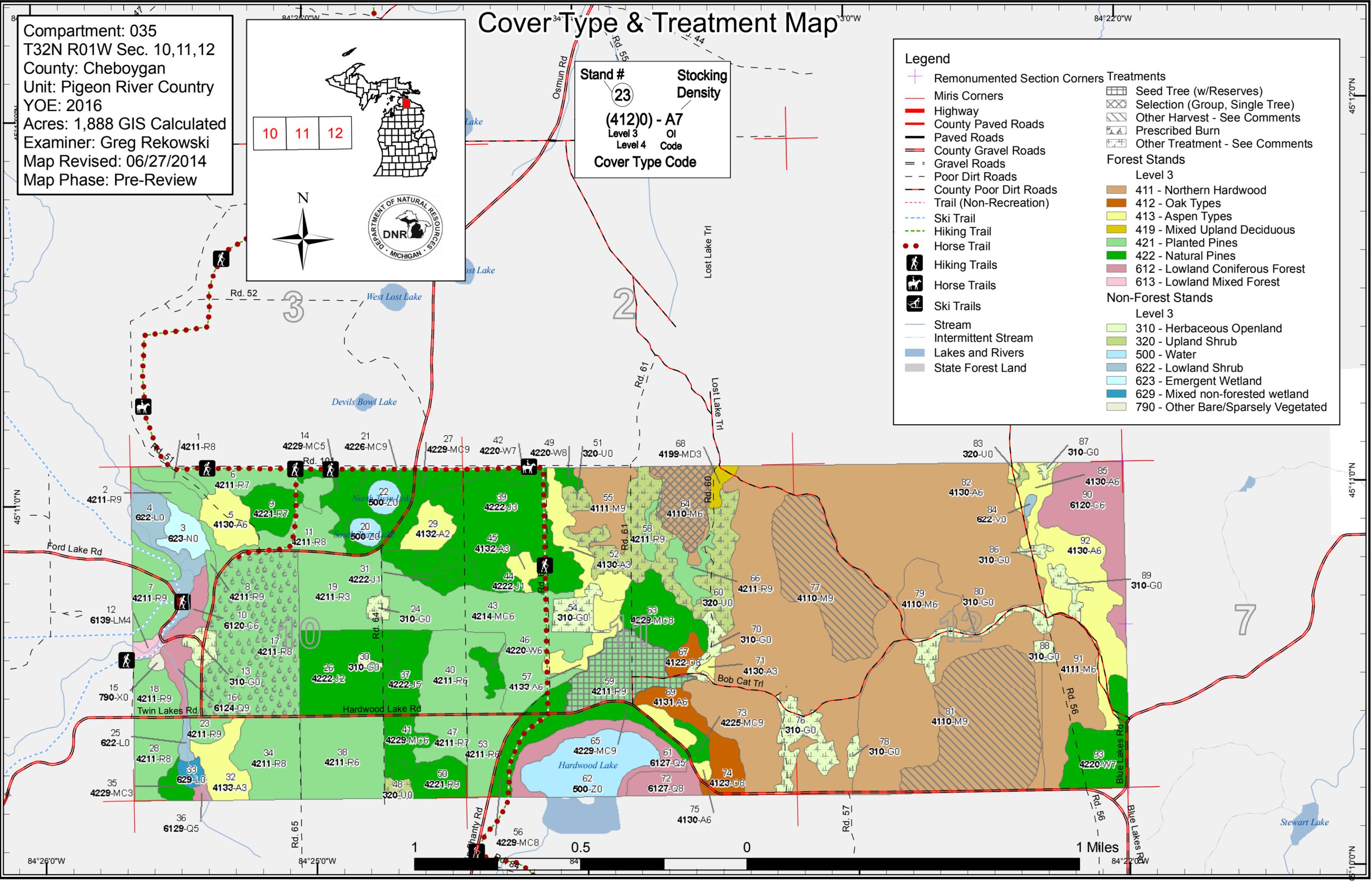


# Cover Type & Treatment Map

**Stand #**  
 23  
**(412)0 - A7**  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**

### Legend

<ul style="list-style-type: none"> <li>✚ Remonumented Section Corners</li> <li>— Miris Corners</li> <li>— Highway</li> <li>— County Paved Roads</li> <li>— Paved Roads</li> <li>— County Gravel Roads</li> <li>— Gravel Roads</li> <li>— Poor Dirt Roads</li> <li>— County Poor Dirt Roads</li> <li>— Trail (Non-Recreation)</li> <li>— Ski Trail</li> <li>— Hiking Trail</li> <li>••• Horse Trail</li> <li>🚶 Hiking Trails</li> <li>🐎 Horse Trails</li> <li>🏂 Ski Trails</li> <li>— Stream</li> <li>— Intermittent Stream</li> <li>— Lakes and Rivers</li> <li>— State Forest Land</li> </ul>	<h4>Treatments</h4> <ul style="list-style-type: none"> <li>▨ Seed Tree (w/Reserves)</li> <li>▩ Selection (Group, Single Tree)</li> <li>▧ Other Harvest - See Comments</li> <li>🔥 Prescribed Burn</li> <li>▨ Other Treatment - See Comments</li> </ul> <h4>Forest Stands</h4> <p>Level 3</p> <ul style="list-style-type: none"> <li>411 - Northern Hardwood</li> <li>412 - Oak Types</li> <li>413 - Aspen Types</li> <li>419 - Mixed Upland Deciduous</li> <li>421 - Planted Pines</li> <li>422 - Natural Pines</li> <li>612 - Lowland Coniferous Forest</li> <li>613 - Lowland Mixed Forest</li> </ul> <h4>Non-Forest Stands</h4> <p>Level 3</p> <ul style="list-style-type: none"> <li>310 - Herbaceous Openland</li> <li>320 - Upland Shrub</li> <li>500 - Water</li> <li>622 - Lowland Shrub</li> <li>623 - Emergent Wetland</li> <li>629 - Mixed non-forested wetland</li> <li>790 - Other Bare/Sparsely Vegetated</li> </ul>
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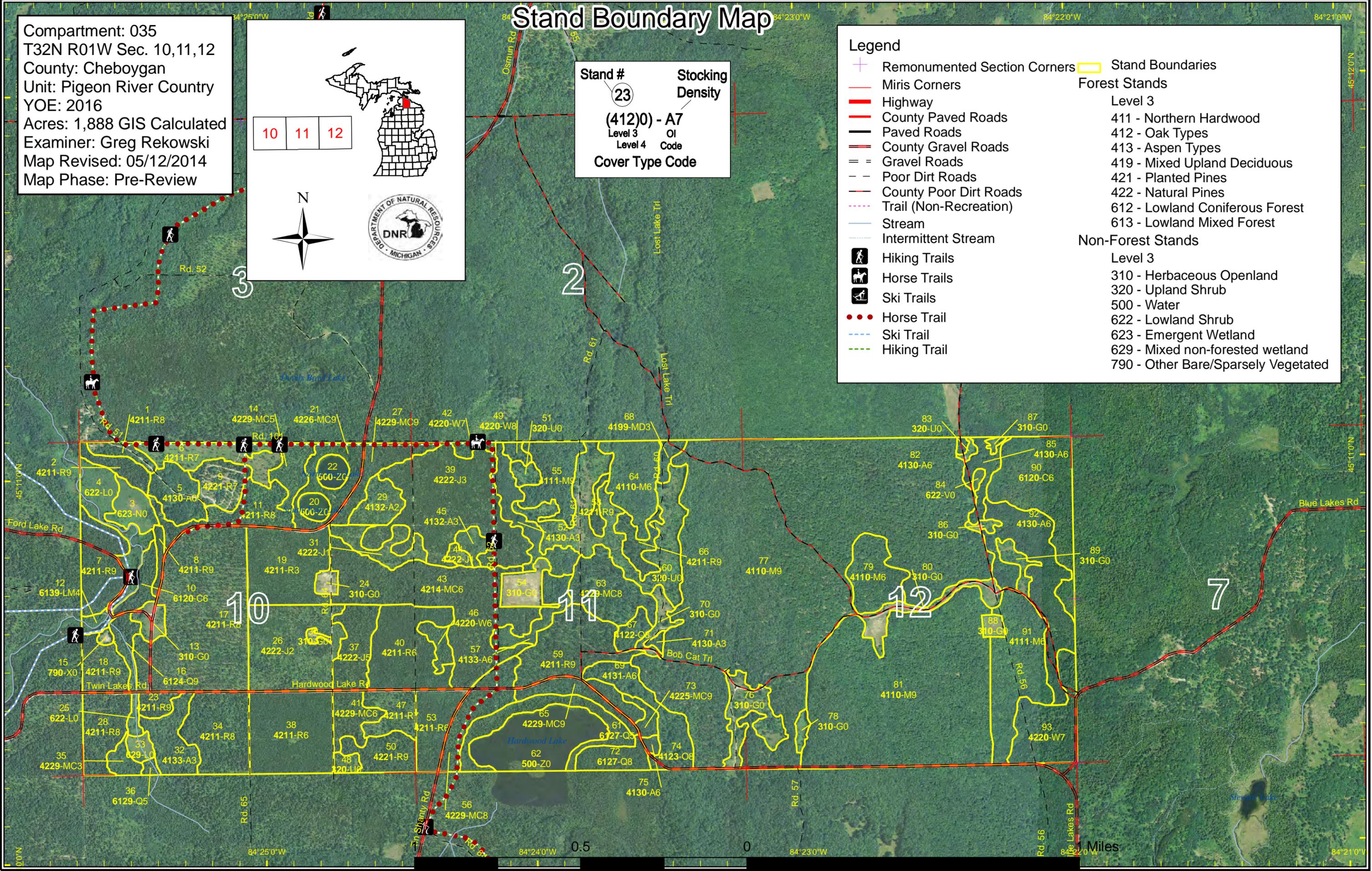
# Stand Boundary Map

Compartment: 035  
 T32N R01W Sec. 10,11,12  
 County: Cheboygan  
 Unit: Pigeon River Country  
 YOE: 2016  
 Acres: 1,888 GIS Calculated  
 Examiner: Greg Rekowski  
 Map Revised: 05/12/2014  
 Map Phase: Pre-Review

**Stand #**  
 23  
**(412)0 - A7**  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**

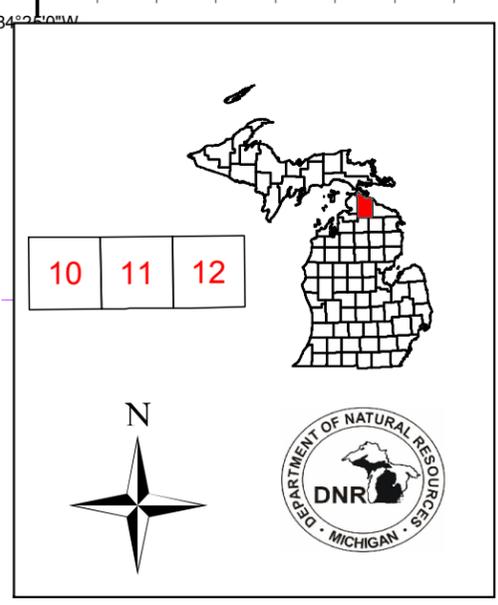
### Legend

+	Remonumented Section Corners	□	Stand Boundaries
—	Miris Corners	<b>Forest Stands</b>	
—	Highway	Level 3	
—	County Paved Roads	411 - Northern Hardwood	
—	Paved Roads	412 - Oak Types	
—	County Gravel Roads	413 - Aspen Types	
—	Gravel Roads	419 - Mixed Upland Deciduous	
—	Poor Dirt Roads	421 - Planted Pines	
—	County Poor Dirt Roads	422 - Natural Pines	
—	Trail (Non-Recreation)	612 - Lowland Coniferous Forest	
—	Stream	613 - Lowland Mixed Forest	
—	Intermittent Stream	<b>Non-Forest Stands</b>	
🚶	Hiking Trails	Level 3	
🐎	Horse Trails	310 - Herbaceous Openland	
🏂	Ski Trails	320 - Upland Shrub	
•••	Horse Trail	500 - Water	
---	Ski Trail	622 - Lowland Shrub	
---	Hiking Trail	623 - Emergent Wetland	
		629 - Mixed non-forested wetland	
		790 - Other Bare/Sparsely Vegetated	



# Special Conservation Areas & Site Conditions Map

Compartment: 035  
 T32N R01W Sec. 10,11,12  
 County: Cheboygan  
 Unit: Pigeon River Country  
 YOE: 2016  
 Acres: 1,888 GIS Calculated  
 Examiner: Greg Rekowski  
 Map Revised: 06/27/2014  
 Map Phase: Pre-Review



**Stand #**  
 23  
**Stocking Density**  
 (412)0 - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**

**Legend**

- Remonumented Section Corners
- Miris Corners
- Stand Boundaries
- Proposed SCA

**Site Condition Available**

- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)

**Site Condition Type**

**Available Factors W/ Constraints**

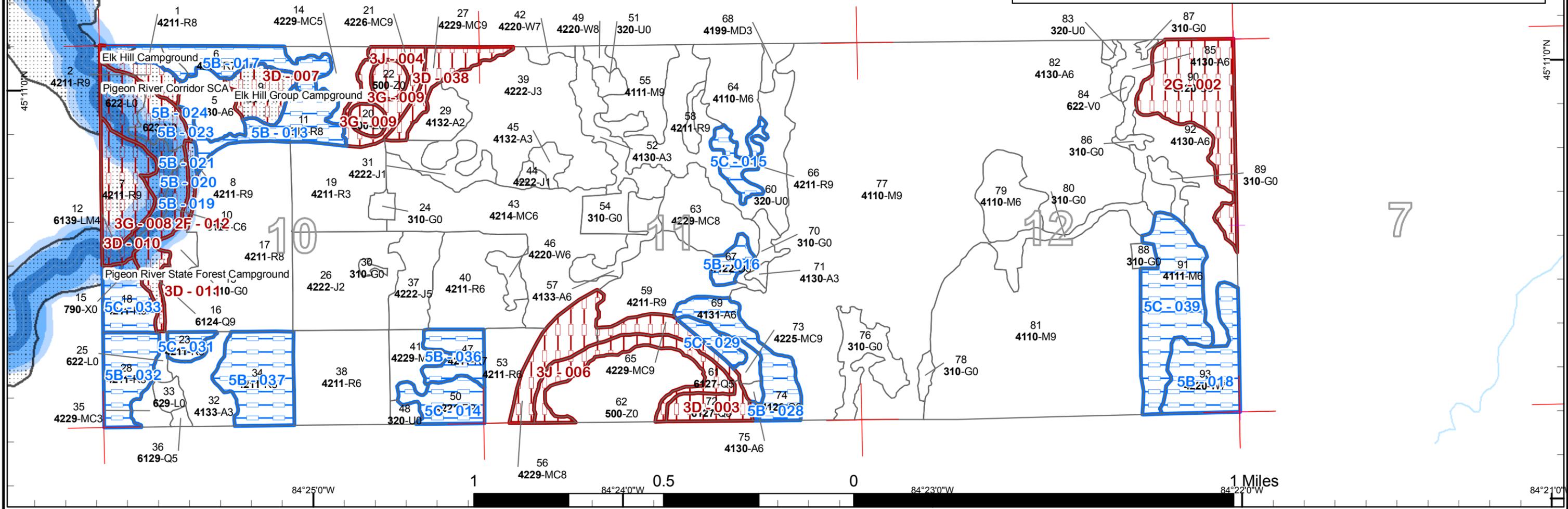
- 5B: Retention for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality

**Unavailable Factors**

- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3D: Recreational / Scenic values
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)

**Special Conservation Areas**

- Cold Water Streams
- High Priority Trout Stream Buffer
- Natural Rivers Zoning District
- Natural Rivers Vegetative 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	1	47	67	15	2	0	0	0	0	0	0	0	0	131
Bare/Sparsely Vegetated	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Bog	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Cedar	0	0	0	0	0	0	0	0	49	0	0	0	0	0	49
Herbaceous Openland	65	0	0	0	0	0	0	0	0	0	0	0	0	0	65
Jack Pine	0	43	80	17	0	0	0	0	0	0	0	0	0	0	140
Lowland Conifers	0	0	0	20	0	0	0	10	0	7	1	0	0	0	38
Lowland Mixed Forest	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Lowland Shrub	25	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Marsh	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Mixed Upland Deciduous	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
Natural Mixed Pines	0	0	16	11	0	15	12	52	0	0	4	0	0	0	111
Northern Hardwood	0	0	0	0	0	0	0	0	637	0	0	0	0	0	637
Oak	0	0	0	0	0	0	0	0	26	0	0	0	0	0	26
Planted Mixed Pines	0	0	0	71	0	0	0	0	0	0	0	0	0	0	71
Red Pine	0	0	125	0	0	0	0	0	238	71	0	0	0	0	433
Upland Shrub	60	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Water	45	0	0	0	0	0	0	0	0	0	0	0	0	0	45
White Pine	0	0	0	5	0	0	0	0	5	0	27	0	0	0	37
<b>Total</b>	<b>207</b>	<b>48</b>	<b>268</b>	<b>190</b>	<b>15</b>	<b>20</b>	<b>12</b>	<b>62</b>	<b>906</b>	<b>127</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1888</b>



## Report 2 – Proposed Treatment Summaries

Don River Country Mgt. Unit  
Year of Entry 2016

Compartment 035  
Total Compartment Acres: 1,888

### Acres by Treatment Type

Commercial Harvest - 194    Tree Planting - 0    Other - 83  
Habitat Cut - 0    Opening Maintenance - 12

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
	0	21	0	0	0	0	21
Northern Hardwood	0	0	0	0	0	141	141
Planted Pines	0	0	31	0	0	0	31
<b>Total</b>	<b>0</b>	<b>21</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>141</b>	<b>194</b>



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
77 35176_island	58.3	4110 - Sugar Maple Association	High Density Log	82	81-110	Harvest	Other - Specify in Comments	411 - Northern Hardwood	Cmpt. Review Proposal

Prescription -Harvest all white ash sawlogs within sale area.

Specs:

Other -Lost Lake Salvage, #53-005-14-01.

Comments:

Next -Regen survey at TCR + 4 years.

Steps:

Proposed

Start Date: 01/01/2014

53035034_Out OfYOE-Cut	20.9					Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
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Prescription -Mark down to 80 sq. ft. per acre. Focus on removing beech and ash. Leave healthy and vigorous beech as well as any that are good wildlife trees.

Specs:

- Create roughly 1 canopy gap (>66 feet in diameter) for every two acres.
- Do not mark any species that may be rare in the stand. Avoid marking in areas of blowdown.

Other

Comments:

Next -Regeneration survey at the appropriate interval (3-5 years).

Steps:

Proposed

Start Date: 01/18/2013

59 53035059-Cut	31.4	42110 - Planted Red Pine	High Density Log	86	51-80	Harvest	Seed Tree with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal
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Prescription -Mark to leave an average of 10 sq. ft. per acre in red pine. Leave all other species.

Specs:

- Utilize retention near roads to ease visual concerns.

Other -Add whole-tree skidding spec and summer only harvest to increase scarification.

Comments:

Next -Following sale completion, plant 10-20 oak saplings per acre.

Steps:

- Acceptable regeneration will be at least a medium-stocked stand of all pine species with at least a 25% representation of red pine. Oak regeneration will also be acceptable.
- Regen survey at TCR + 4 years. If regeneration is inadequate, consider planting red pine to meet stocking requirements.

Proposed

Start Date: 10/01/2015

81 53035081-Cut	83.1	4110 - Sugar Maple Association	High Density Log	83	81-110	Harvest	Other - Specify in Comments	411 - Northern Hardwood	Cmpt. Review Proposal
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Prescription -Salvage all white ash sawlogs from the sale area.

Specs:

Other

Comments:

Next -Regen survey at TCR+4 years.

Steps:

Proposed

Start Date: 10/01/2013



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
17 53035017-Burn	83.4	42110 - Planted Red Pine	Medium Density Log	89	51-80	Prescribed Burn	Unspecified	4221 - Natural Red Pine	Cmpt. Review Proposal

Prescription -Burn the understory of this stand to promote a seed bed for a future regeneration harvest planned for the next inventory cycle. This burn may also help to establish red pine regeneration in the areas of the stand that have a more open canopy.  
Specs: -The burn should be intense enough to expose mineral soil.

Other -The NW corner of this stand has a component of spruce/fir in the understory which may need to be excluded due to its ladder fuel potential.  
Comments: -An old closed road follows the entire eastern side of this stand and would require a little dozer work to make it suitable for prescribed fire operations.  
-Slash is minimal throughout the stand.

Next -Regen survey at four years after burn to monitor red pine regen.

Steps:

Proposed

Start Date: 10/01/2015

13 NF_53035013-NonFor	5.5	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

24 NF_53035024-NonFor	3.0	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

30 NF_53035030-NonFor	1.1	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified



Stand

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
48 NF_53035048-NonFor	2.8	3205 - Mixed Upland Shrub				Non-Forest Management	Other - Specify	3205 - Mixed Upland Shrub	Cmpt. Review Proposal

Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

51 NF_53035051-NonFor	3.5	3205 - Mixed Upland Shrub				Non-Forest Management	Other - Specify	3205 - Mixed Upland Shrub	Cmpt. Review Proposal
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Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

54 NF_53035054-NonFor	9.3	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

60 NF_53035060-NonFor	51.7	3205 - Mixed Upland Shrub				Non-Forest Management	Other - Specify	3205 - Mixed Upland Shrub	Cmpt. Review Proposal
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Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

70 NF_53035070-NonFor	5.8	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

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
<b>76 NF_53035076-NonFor</b>	16.6	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal

Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

<b>78 NF_53035078-NonFor</b>	2.4	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

<b>80 NF_53035080-NonFor</b>	11.6	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

<b>83 NF_53035083-NonFor</b>	1.2	3205 - Mixed Upland Shrub				Non-Forest Management	Other - Specify	3205 - Mixed Upland Shrub	Cmpt. Review Proposal
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Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

<b>86 NF_53035086-NonFor</b>	1.7	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

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
87 NF_53035087-NonFor	1.0	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal

Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

88 NF_53035088-NonFor	2.6	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

89 NF_53035089-NonFor	4.8	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	310 - Herbaceous Openland	Cmpt. Review Proposal
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Prescription Maintain the nonforested condition of this stand through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

**Total Treatment  
Acreage Proposed: 401.7**



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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! #Type!

Prescription Specs:

Other Comment:

Next Steps:

Proposed Start Date: #Type!

Limiting Factor

**Total Treatment Acreage Proposed: 0.0**

## Report 5 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment 035

Greg Rekowski : Examiner

Year of Entry 2016

### Availability for Management

Availability for Management			Dominant Site Conditions									
Total Acres	Acres Available	Acres Not Available		No	5C	5B	3J	3G	3D	2G	2F	
131	131		Aspen	126	5							
49		49	Cedar					7		42		
140	140		Jack Pine	140								
38	1	37	Lowland Conifers	1			20		17			
3		3	Lowland Mixed Forest					3				
4	4		Mixed Upland Deciduous	4								
111	55	56	Natural Mixed Pines	55			15		41			
637	637		Northern Hardwood	598	39							
26	26		Oak			26						
71	71		Planted Mixed Pines	71								
433	388	45	Red Pine	247	40	101		7	34		3	
37	37		White Pine	10		27						
1,680	1,491	189	Total Forested Acres	1,252	85	154	35	18	92	42	3	
	89%	11%	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	2G: Too wet (sensitive soils, does not include access issues)	42				
<b>Comments:</b>							
003	Not Available	3D: Recreational / Scenic values	38	3A: Potential old growth / biodiversity			
<b>Comments:</b> Visual buffer around Hardwood Lake that should be left unmanaged. Part of proposed SCA.							

## Report 5 – Site Conditions

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004	<b>Not Available</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	15	2F: Too steep	
<b>Comments:</b> Steep slopes/erosion concerns. Also provides a visual buffer for the Twin Lakes.					
006	<b>Not Available</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	20	2G: Too wet (sensitive soils, does not include access issues)	3D: Recreational / Scenic values
<b>Comments:</b> Forested bog, buffer for Hardwood Lake.					
007	<b>Not Available</b>	<b>3D: Recreational / Scenic values</b>	13		
<b>Comments:</b> Elk Hill Group Camp					
008	<b>Not Available</b>	<b>3G: Other Influence zones - See comments</b>	39	3J: Water quality / BMPs (stream, river, or lake)	
<b>Comments:</b> This area is almost entirely within the Pigeon River influence zone					
009	<b>Not Available</b>	<b>3G: Other Influence zones - See comments</b>	17	3A: Potential old growth / biodiversity	
<b>Comments:</b> Within influence zone of Pigeon River, steep slopes, part of proposed SCA.					
010	<b>Not Available</b>	<b>3D: Recreational / Scenic values</b>	22	3G: Other Influence zones - See comments	3A: Potential old growth / biodiversity
<b>Comments:</b> Much of stand within influence zone of Pigeon River. Pathway goes through stand. Part of proposed SCA.					

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011	<b>Not Available</b>	<b>3D: Recreational / Scenic values</b>	7	3A: Potential old growth / biodiversity	3G: Other Influence zones - See comments
<b>Comments:</b> Portion of stand within influence zone of Pigeon River. Wet drainage drains into Pigeon River, part of proposed SCA.					
012	<b>Not Available</b>	<b>2F: Too steep</b>	3		
<b>Comments:</b>					
013	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	20		
<b>Comments:</b>					
014	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	14		
<b>Comments:</b>					
015	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	9		
<b>Comments:</b>					
016	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	5		
<b>Comments:</b>					

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017	Available	5B: Maintain for regeneration purposes	23	
Comments:				
018	Available	5B: Maintain for regeneration purposes	27	
Comments:				
019	Available	5B: Maintain for regeneration purposes	0	
Comments:				
020	Available	5B: Maintain for regeneration purposes	0	
Comments:				
021	Available	5B: Maintain for regeneration purposes	0	
Comments:				
022	Available	5B: Maintain for regeneration purposes	0	
Comments:				
023	Available	5B: Maintain for regeneration purposes	0	
Comments:				

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024	Available	5B: Maintain for regeneration purposes	0	
Comments:				
025	Available	5B: Maintain for regeneration purposes	0	
Comments:				
028	Available	5B: Maintain for regeneration purposes	21	
Comments:				
029	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	
Comments:				
031	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	
Comments:				
032	Available	5B: Maintain for regeneration purposes	18	
Comments:				

033	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13
<b>Comments:</b>			
036	Available	5B: Maintain for regeneration purposes	12
<b>Comments:</b>			
037	Available	5B: Maintain for regeneration purposes	28
<b>Comments:</b>			
038	Not Available	3D: Recreational / Scenic values	12
<b>Comments:</b> Part of proposed Twin Lakes SCA. Travel influence.			
039	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	39
<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>Elk Hill Campground</b>	Concentrated Recreation Area	State Forest Campground	<b>SCA</b>	0.9
<b>Comments</b> This is a portion of Elk Hill Campground.				
<b>Pigeon River State Forest Campground</b>	Concentrated Recreation Area	State Forest Campground	<b>SCA</b>	4.3
<b>Comments</b> Examiner Approved 9/12/2013				
<b>Elk Hill Group Campground</b>	Concentrated Recreation Area	State Forest Campground	<b>SCA</b>	12.7
<b>Comments</b>				
<b>Pigeon River Corridor SCA</b>	Spring-Seeps, Riparian Areas	Riparian Area	<b>SCA</b>	424.9
<b>Comments</b> Examiner Approved 9/12/2013				

**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.

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	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	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	42110 - Planted Red Pine	Medium Density Log	5.3	89	81-110	-Road 51 goes through the middle of this stand and a portion of Elk Hill Campground is at the north end. -#53-013-96-01, Campground Blocks, bought by Georgia Pacific.
2	42110 - Planted Red Pine	High Density Log	7.3	93	81-110	-Stand was planted to red pine by CCC but steep slopes make the majority of it inoperable. Jack pine is starting to fall over. -Leave unmanaged.
5	4130 - Aspen	High Density Pole	14.1	37	81-110	-Wait ten years. -Small inclusion of R9 next to Road 51. This is where most of the red pine is located. Poor quality, deformed white pine throughout. -QA is on the north side of the road. -Trace of red oak and paper birch.
6	42110 - Planted Red Pine	Low Density Log	17.3	89	1-50	-Twin Hardwood Red Pine, #53-013-07-01, bought by Bisballe. Red pine seed tree cut, all oak and birch left as well. Not much regen at this point. -Trace of paper birch and oak in the overstory. Trace of jack pine in the understory.
7	42110 - Planted Red Pine	High Density Log	21.6	94	111-140	-This stand doesn't appear that it has been thinned before. Travel and recreation influence, steep slopes as well along the south and east edges. The Shingle Mill Pathway meanders throughout this stand. -Leave this stand unmanaged.
8	42110 - Planted Red Pine	High Density Log	3.1	94	200+	-Stand was planted to RP by CCC but steep slopes make almost all of this stand inoperable.
9	42210 - Natural Red Pine	Low Density Log	12.7	89	1-50	-Elk Hill Group Campground
10	6120 - Lowland Cedar	High Density Pole	7.4	94	141-170	-No management due to its proximity to the Pigeon River. -Spruce more common along the western edges of the stand.
11	42110 - Planted Red Pine	Medium Density Log	19.9	89	51-80	-#53-013-96-01, Campground Blocks, bought by Georgia Pacific. Shelterwood harvest, with highly variable stocking (may have been a species removal harvest). Stocking and size greatly decrease as you move east and north in the stand, with WP poles picking up in this area. Portion of stand west of Road 51 has not been thinned and slopes down to a small Q type inclusion.
12	6139 - Mixed Lowland Forest	Low Density Pole	3.1	54	1-50	Pigeon River flows through this stand.
14	42290 - Natural Mixed Pine	Medium Density Pole	11.7	24	1-50	-Twin Lakes West Clearcut, #53-026-88-01, bought by K&R Logging. -Browsing has eliminated most of the aspen from this stand. Many of the JP and WP are open-grown, poor quality trees.
16	6124 - Lowland Spruce-Fir	High Density Log	6.8	97	81-110	-This stand slopes down to the north and there is a small stream flowing through the middle.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	42110 - Planted Red Pine	Medium Density Log	88.0	89	51-80	-#53-013-07-01, Twin Hardwood Red Pine, thinning bought by Bisballe. -The pine is still pretty small at this point to consider a regeneration treatment. Let it grow a little more and consider treating during the next inventory cycle. -Trace of red oak, paper birch, red maple, white pine, and balsam fir in the overstory. Trace of fir, beech, and aspen in the understory regen.
18	42110 - Planted Red Pine	High Density Log	13.1	94	51-80	-#53-013-07-01, Twin Hardwood Red Pine, bought by Bisballe. Rest ten years then treat. -Trace of white pine and red oak in the overstory.
19	42110 - Planted Red Pine	High Density Sapling	34.8	27		-Very close to being a pole stand. Developing nicely. -Stand was burned first, then planted to red pine in 1987.
21	42260 - Natural Pine, Mixed Deciduous	High Density Log	15.3	58	81-110	-Stand is a buffer for the Twin Lakes and will not be managed. Steep slopes leading down to the sinkhole lakes.
23	42110 - Planted Red Pine	High Density Log	4.9	81	51-80	-#53-008-86-01, Oswood Jack Pine Sale, bought by AJD. All jack pine was removed from stand. As a result, the residual stocking is variable. White pine in the stand appears to be of natural origin. -Consider a treatment in ten years.
26	42220 - Natural Jack Pine	Medium Density	43.2	17		-#53-010-96-01, Dead Horse Trail Blocks, jack pine clearcut bought by Georgia Pacific. -Variable stocking. Quite a few open-grown and crooked jack pine.
27	42290 - Natural Mixed Pine	High Density Log	12.4	67	81-110	-Wide mix of sizes within this stand, possibly uneven-aged. Jack pine and aspen are more prevalent as you move south in the stand. -This stand serves as a nice visual buffer and should be left unmanaged for now.
28	42110 - Planted Red Pine	Medium Density Log	18.2	81	51-80	-#53-008-86-01, Oswood Jack Pine Sale, bought by AJD. All jack pine was cut out of stand, which resulted in variable residual stocking. Thin strip of R9 along the eastern edge of the stand, while the remainder is R8. Most RP poles are closer to Twin Lakes Road. -Consider a treatment in ten years.
29	4132 - Aspen, Jack Pine	Medium Density	10.3	26		-#53-011-87-01, Twin Lakes Burn Salvage, bought by Ralph Walker. Stand burned in 1987 in a wildfire and was subsequently put up for a salvage harvest.
31	42220 - Natural Jack Pine	Low Density Sapling	11.1	26		-#53-011-87-01, Twin Lakes Burn Salvage, bought by Ralph Walker. Stand burned in 1987 in a wildfire and was subsequently put up for a salvage harvest in 1988.
32	4133 - Aspen, Mixed Pine	High Density Sapling	15.7	27		-#53-005-86-01, Twin Lakes Pine Clearcut, bought by Larry Bayaham. Everything cut except white pine, red pine, and oak. Scattered pockets of R9/W9, especially in the southern part of the stand. Trace of red oak. -Aspen doesn't look very healthy.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
34	42110 - Planted Red Pine	Medium Density Log	28.0	81	1-50	-#53-008-86-01, Oswood Jack Pine Sale, bought by AJD. All jack pine was removed from stand. As a result, stocking is highly variable. In general, the eastern half of the stand has lower stocking. -Consider a treatment in ten years.
35	42290 - Natural Mixed Pine	High Density Sapling	4.7	27		-#53-008-86-01, Oswood Jack Pine Sale, bought by AJD. Looks like everything except red and white pine was cut.
36	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	1.4	107	51-80	Low quality
37	42220 - Natural Jack Pine	Medium Density Pole	17.0	38	51-80	-All jack pine was cut out of this stand in 1976 by Glawe. -Let grow at least another ten years. -Good representation of supercanopy red pine. -Quite a few jack pine were killed when their tops were broken off from a heavy snowstorm in December 2012.
38	42110 - Planted Red Pine	High Density Pole	40.1	29	81-110	-Looks good.
39	42220 - Natural Jack Pine	High Density Sapling	66.7	25		-Stand burned in a wildfire and then was subsequently salvaged. Twin Lakes Burn Salvage, #53-011-87-01, bought by Ralph Walker. -Quite a few broken tops from a heavy snowstorm in 2012. -Good looking jack pine stand.
40	42110 - Planted Red Pine	High Density Pole	33.3	29	51-80	-#53-025-84-01, Jack Pine Velvet, jack pine clearcut bought by Champion. Planted to red pine in 1985. -Trace of white pine.
41	42290 - Natural Mixed Pine	High Density Pole	10.9	37	51-80	-#53-039-76, bought by Glawe, all jack pine cut. -Mix of log-sized red pine and pole/sap jack pine that is just starting to reach a merchantable size. Prescribe a treatment when the jack pine has matured.
42	42200 - Natural White Pine	Low Density Log	2.6	81	1-50	
43	42140 - Planted Mixed Pine	High Density Pole	70.8	38	51-80	-Fairly unique stand that is just reaching poletimber size. Records indicate this stand was planted in 1976 (red pine and jack pine were planted). However there is a good representation of supercanopy red and white pine, including scattered pockets of R9. Sap/pole-sized white pine is natural regen, the jack pine and red pine saps/poles were planted. White pine is most prevalent in the NW1/3 of the stand (west of Road 66).
44	42220 - Natural Jack Pine	Low Density Sapling	2.3	25		-Stand burned in a wildfire and then was salvaged. Twin Lakes Burn Salvage, #53-011-87-01, bought by Ralph Walker. -Poor quality open grown jack pine.
45	4132 - Aspen, Jack Pine	High Density Sapling	4.6	25		-Stand burned in a wildfire and then was salvaged. Twin Lakes Burn Salvage, #53-011-87-01, bought by Ralph Walker. -Scattered aspen mortality, pockets of hypoxylon canker.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
46	42200 - Natural White Pine	High Density Pole	5.1	38	81-110	
47	42110 - Planted Red Pine	Low Density Log	12.1	90	51-80	-#53-010-96-01, Dead Horse Trail Blocks, bought by Georgia Pacific, all jack pine cut. -A few clumps of denser red pine, but the jack pine understory is free to grow in most spots.
49	42200 - Natural White Pine	Medium Density Log	2.5	81	51-80	-Small clump of bigtooth aspen at SE corner of stand.
50	42210 - Natural Red Pine	High Density Log	13.6	90	81-110	-#53-013-77, all jack pine and aspen cut out. As a result, the stocking is quite variable. Jack pine is most prevalent in the NW part of the stand. White pine is concentrated mainly in the SE 1/4 of the stand.
52	4130 - Aspen	High Density Sapling	16.4	25		-Twin Lakes Burn Salvage, #53-011-87-01, bought by Ralph Walker. -Aspen becomes much smaller and pine more numerous at the south end of the stand. -Trace of red pine and white pine.
53	42110 - Planted Red Pine	High Density Pole	16.4	26	51-80	-#53-001-86-01, Hardwood Lake Jack Pine, clearcut bought by U.S. Plywood Corp., replanted to red pine in 1988. Scattered pockets of aspen have made it to the overstory.
55	4111 - S.Maple, Hard Mast Association	High Density Log	19.5	85	51-80	-White pine along the west edge, trace of red pine along the east edge.
56	42290 - Natural Mixed Pine	Medium Density Log	18.7	73	51-80	-Stand is a nice buffer for Hardwood Lake. Jack pine is starting to fall over. Leave unmanaged. -Trace of paper birch.
57	4133 - Aspen, Mixed Pine	High Density Pole	11.4	36	81-110	-Wait ten years, still a lot of small stems. -Inclusion of mature red pine adjacent to the large nonforested opening. Jack pine becomes more common as you move south in the stand. -Trace of red oak, white oak, and paper birch.
58	42110 - Planted Red Pine	High Density Log	3.1	85	51-80	
59	42110 - Planted Red Pine	High Density Log	31.4	86	51-80	-Mature red pine that is ready to harvest. Most of the white pine and oak are located in the far north finger of the stand. -Final Impact Block, #53-019-96-01, all aspen and jack pine were removed from stand. -Trace of aspen and oak regeneration in stand. -Red pine site index = 53.
61	6127 - Lowland Pine	Medium Density Pole	19.7	38	1-50	-Sphagnum understory, slowly filling in with conifers. Stand is directly adjacent to Hardwood Lake. No management.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
63	42290 - Natural Mixed Pine	Medium Density Log	23.7	77	51-80	-Final Impact Block, #53-019-96-01, bought by Georgia Pacific. Everything cut except white pine, red pine, oak, and hemlock. -Trace of aspen and red pine regeneration. -Nice white pine regeneration.
64	4110 - Sugar Maple Association	High Density Pole	22.4	81	111-140	-Stilt Root Hardwoods, #53-008-13-01, bought by Precision. Part of a larger ash and beech salvage sale which extends to the north and east into Compartment 33. -High quality sugar maple throughout most of this stand. Trace of red maple, bigtooth aspen, red pine, paper birch, red oak, and elm.
65	42290 - Natural Mixed Pine	High Density Log	9.6	79	81-110	-Stand transitions to lowland along the southern edge. White pine more dominant in the SE finger of the stand. -Trace of hemlock, red maple, and black spruce.
66	42110 - Planted Red Pine	High Density Log	8.8	85	81-110	-Small pocket of nice RP regen at the NW corner of stand.
67	4122 - Oak, Pine	Medium Density Log	5.4	87	51-80	-Final Impact Block, #53-019-96-01, Georgia Pacific. Everything cut except pine, oak, and hemlock. -Pine mostly around the perimeter of the stand. -Heavy deer and elk use.
68	4199 - Other Mixed Upland Deciduous	High Density Sapling	3.9	16	1-50	-Final Impact Block, #53-019-96-01, everything cut except white pine, red pine, oak, and hemlock.
69	4131 - Aspen, Oak	High Density Pole	5.0	48	81-110	
71	4130 - Aspen	High Density Sapling	1.3	15		-Trace of white oak, red pine, elm, and hawthorn.
72	6127 - Lowland Pine	Medium Density Log	10.2	79	51-80	-Leave unmanaged as a buffer for Hardwood Lake.
73	42250 - Pine, Oak	High Density Log	3.9	107	111-140	-Leave unmanaged as of now for aesthetics.
74	4123 - Red Oak	Medium Density Log	21.0	87	51-80	-Final Impact Block, #53-019-96-01, Georgia Pacific, everything cut except red pine, white pine, red oak, and hemlock. -Heavy browse on maple. Lots of deer and elk use in stand.
75	4130 - Aspen	High Density Pole	1.6	51		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
77	4110 - Sugar Maple Association	High Density Log	378.5	82	81-110	<p>-Part of stand east of Lost Lake Trail - #53-005-06-01, Bear Track Hardwoods. Part of stand west of Lost Lake Trail - #53-001-11-01, One Aspen Hardwoods.</p> <p>-Heavily thinned in east part of the stand. Some scattered blowdown and thick raspberry layer in the east half of stand as well.</p> <p>-A vein heavy to white ash runs through the center of the stand. The majority of white ash appears to be dead already. QD indicates a white ash presence of %.</p> <p>-Heavy browse pressure, all sugar maple and basswood stump sprouts have been browsed to death. Regen exclusively white ash, ironwood, and beech.</p>
79	4110 - Sugar Maple Association	High Density Pole	18.9	81	81-110	<p>-Bear Track Hardwoods, 353-005-06-01, Northern Wood and Land Inc.</p> <p>-Trace of white pine, and white oak. All ash dead from EAB.</p>
81	4110 - Sugar Maple Association	High Density Log	158.5	83	81-110	<p>-#53-018-96-01, Lost Dog Found, bought by JNJ Forest Products. Thinned too heavily in areas, which resulted in quite a bit of blowdown.</p> <p>-Moderate component of ash in stand, most of it appears to be close to death. QD indicates a % of ash. BBD scattered throughout stand as well.</p> <p>-Thick regeneration of undesirable species.</p>
82	4130 - Aspen	High Density Pole	1.0	45		<p>-Little McMasters Creek Trail goes through the middle of this stand. Leave unmanaged for aesthetics.</p> <p>-Trace of red oak, white oak, and red maple.</p>
85	4130 - Aspen	High Density Pole	9.0	45		<p>-Trace of white oak, red oak, black cherry, birch, hemlock, cedar, sugar maple, basswood, white pine, and red pine.</p>
90	6120 - Lowland Cedar	High Density Pole	41.5	95	111-140	<p>-A very unique and diverse stand however timber quality is low. Undulating pit and mound topography throughout with the majority being very wet lowland. At least 1 small stream meanders through the north part of the stand, may be more. A few small inclusions of aspen and red maple along the western edge. Other species that were present but rare included yellow birch, quaking aspen, red oak, white spruce, basswood, and elm. Leave this stand unmanaged.</p> <p>-Heavy deer use, tracks everywhere.</p>
91	4111 - S.Maple, Hard Mast Association	High Density Pole	39.4	85	111-140	<p>-Trace of white pine, white ash, and yellow birch.</p> <p>-Small vernal pond in NE corner of stand.</p> <p>-White ash and beech both minor components of the stand but EAB and BBD were both found in the stand (BBD only on a single tree).</p> <p>-Avg. ba/acre = 113 sq. ft.</p>
92	4130 - Aspen	High Density Pole	41.2	35		<p>-#53-033-76-01, clearcut by Champion.</p> <p>-Pockets of wet ground, particularly along the east edge. Hardwoods pick up along the southern and western edges.</p> <p>-There is a strip of larger aspen along the western edge of the stand, however the remainder of the stand is small poletimber that has just reached merchantability. Hold at least ten years.</p> <p>-Trace of red pine, white pine, red oak, white oak, paper birch, sugar maple.</p>

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Pigeon River Country Mgt. Unit

Report 8 – Forested Stands

Compartment: 035  
Year of Entry: 2016



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
93	42200 - Natural White Pine	Low Density Log	26.7	100	1-50	-53-033-76-01, clearcut and all pine was left, bought by Champion. -Nice pockets of pine regeneration. Aspen is just reaching merchantable size. Trace of hemlock and red oak in the stand. -Future management should retain the large pine in this stand and protect some of the nicer pockets of pine regeneration. Average ba/acre of the large pine component roughly 30 sq ft per acre.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	6239 - Mixed Emergent Wetland	9.5	No	Unspecified	
4	6229 - Mixed lowland shrub	19.1	No	Unspecified	
13	3105 - Mixed Upland Herbaceous	5.5	No	Unspecified	-Burn the part of this stand east of Twin Lakes Road in conjunction with the adjacent red pine stand to the east.
15	790 - Other Bare/Sparsely Vegetate	1.2	No	Unspecified	-Appears to be an old gravel pit. Too much snow on the ground to see if it has re-vegetated.
20	50 - Water	4.2	No	Unspecified	South Twin Lake
22	50 - Water	5.1	No	Unspecified	North Twin Lake
24	3105 - Mixed Upland Herbaceous	3.0	No	Unspecified	
25	6229 - Mixed lowland shrub	2.5	No	Unspecified	
30	3105 - Mixed Upland Herbaceous	1.1	No	Unspecified	
33	629 - Mixed non-forested wetland	3.6	No	Unspecified	
48	3205 - Mixed Upland Shrub	2.8	No	Unspecified	
51	3205 - Mixed Upland Shrub	3.5	No	Unspecified	Filling in with white pine
54	3105 - Mixed Upland Herbaceous	9.3	No	Unspecified	
60	3205 - Mixed Upland Shrub	52.1	No	Unspecified	Close to being forested. Jack pine has filled in quite a bit, may be a J4 next inventory cycle.
62	50 - Water	36.0	No	Unspecified	Hardwood Lake. Two small islands, each less than 1 acre.
70	3105 - Mixed Upland Herbaceous	5.8	No	Unspecified	Slowly filling in with conifers.
76	3105 - Mixed Upland Herbaceous	16.6	No	Unspecified	
78	3105 - Mixed Upland Herbaceous	2.4	No	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
80	3105 - Mixed Upland Herbaceous	11.6	No	Unspecified	
83	3205 - Mixed Upland Shrub	1.2	No	Unspecified	
84	6225 - Bog	1.1	No	Unspecified	
86	3105 - Mixed Upland Herbaceous	1.7	No	Unspecified	
87	3105 - Mixed Upland Herbaceous	1.0	No	Unspecified	Filling in with white pine.
88	3105 - Mixed Upland Herbaceous	2.6	No	Unspecified	
89	3105 - Mixed Upland Herbaceous	4.8	No	Unspecified	