



# Compartment Review Presentation

## Pigeon River Country Forest Management Unit

Compartment 18

Entry Year 2016

Acreage: 1,875

County Cheboygan

Management Area: Pigeon River Country

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

**Stand Examiner:** Greg Rekowski

**Legal Description:**

T33N - R01W, Sections 24, 25, 36

**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 interspersed with lowland swamps and creek bottoms. Soils are predominantly variations of Cheboygan and Blue Lakes Sands in the uplands with Tawas Peat in the lowlands.

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

Solid state ownership.

**Unique Natural Features:**

There are documented occurrences of red-shouldered hawk within this compartment.

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

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

None.

**Watershed and Fisheries Considerations:**

All swamps and creeks within the compartment eventually flow through McMasters Creek into the Black River which is a designated Trout stream.

**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 minor coarse-textured glacial till. The glacial drift thickness varies between 200 and 400 feet. Beneath the glacial drift is the Devonian Antrim Shale that is quarried for cement products elsewhere in the State. The nearest gravel pit is located several miles away, but 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 oil and gas development. The Antrim Shale probably has potential in this area. The Niagaran reef trend lies to the south and east and several wells were drilled in the compartment, however none are active at this time. 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 to most, if not all, of the compartment. Most of the roads, however, have been closed to wheeled motorized vehicles with virtually all of those closures still intact.

**Survey Needs:**

None required.

**Recreational Facilities and Opportunities:**

The primary recreational pursuits in this area are hunting and elk viewing.

**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**

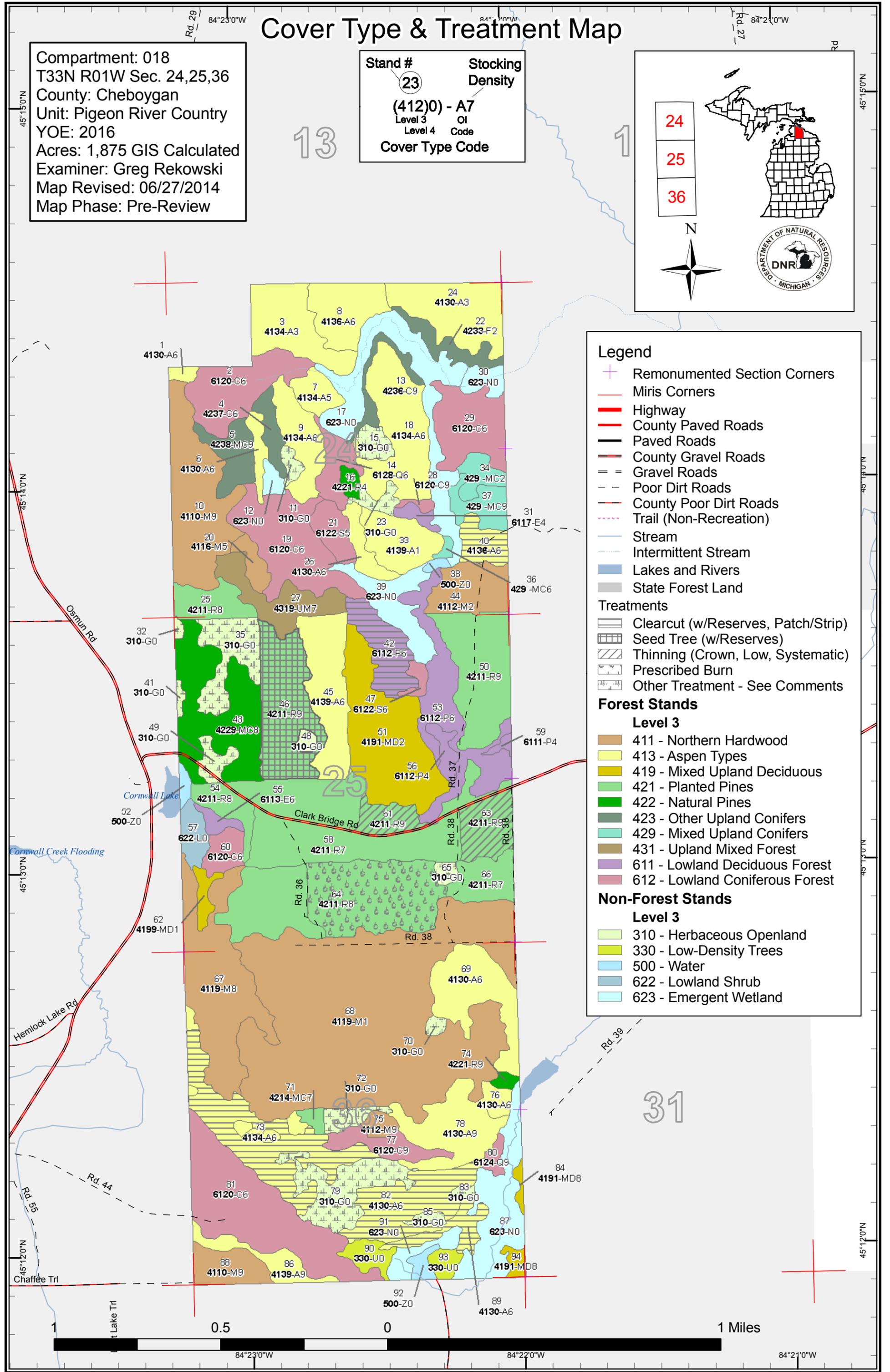
# Cover Type & Treatment Map

Compartment: 018  
 T33N R01W Sec. 24,25,36  
 County: Cheboygan  
 Unit: Pigeon River Country  
 YOE: 2016  
 Acres: 1,875 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**

24  
 25  
 36

N



### Legend

- Remonumented Section Corners
- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land

### Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Prescribed Burn
- Other Treatment - See Comments

### Forest Stands

#### Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

### Non-Forest Stands

#### Level 3

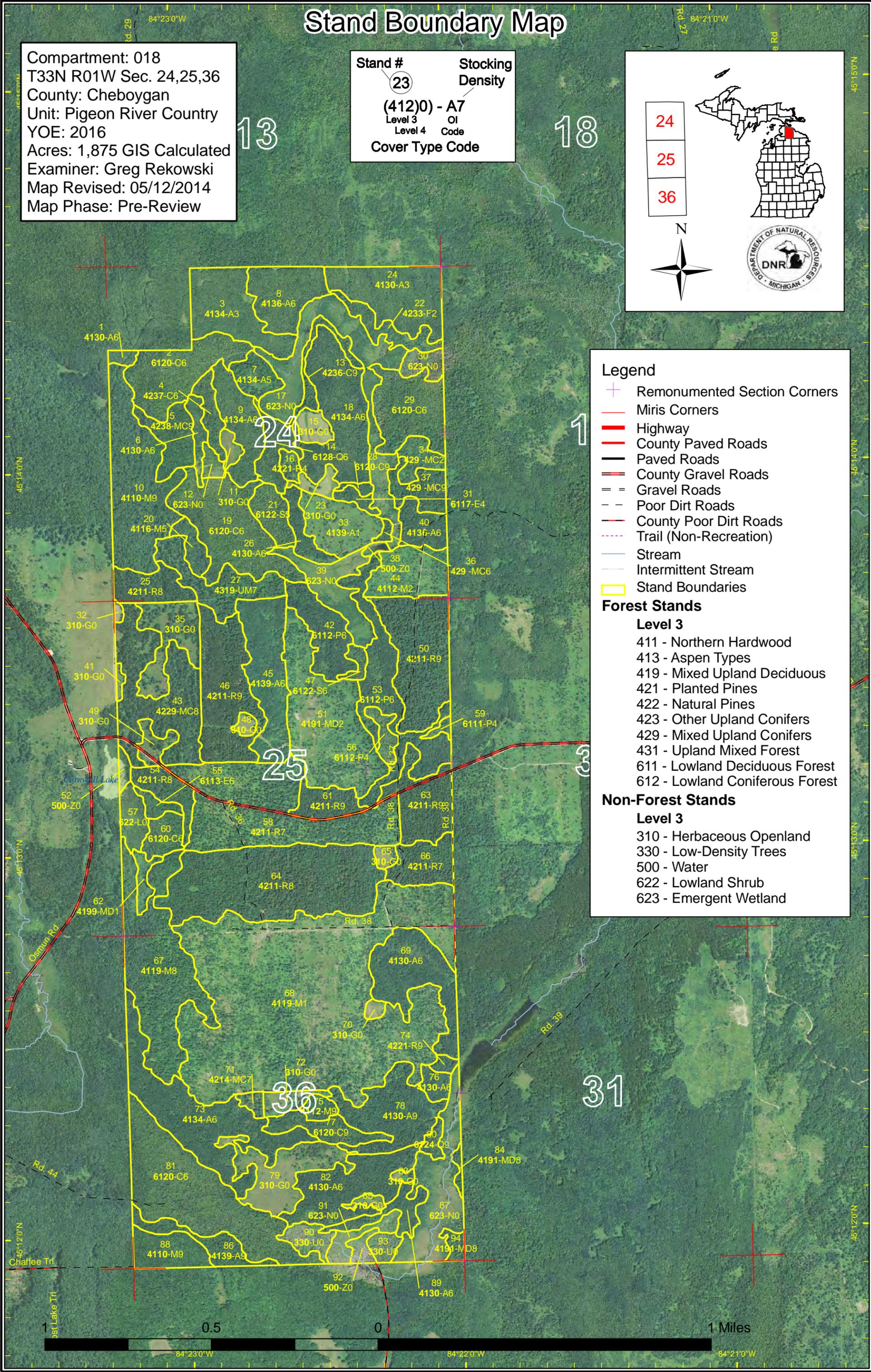
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



# Stand Boundary Map

Compartment: 018  
 T33N R01W Sec. 24,25,36  
 County: Cheboygan  
 Unit: Pigeon River Country  
 YOE: 2016  
 Acres: 1,875 GIS Calculated  
 Examiner: Greg Rekowski  
 Map Revised: 05/12/2014  
 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
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Stream
- Intermittent Stream
- Stand Boundaries

**Forest Stands**

**Level 3**

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
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**Non-Forest Stands**

**Level 3**

- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
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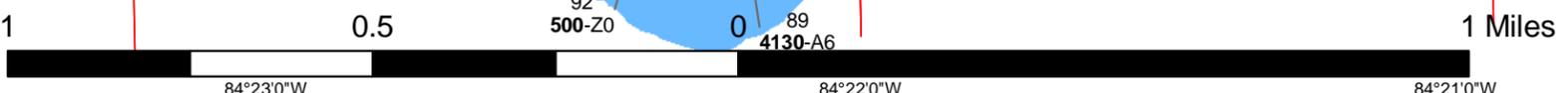
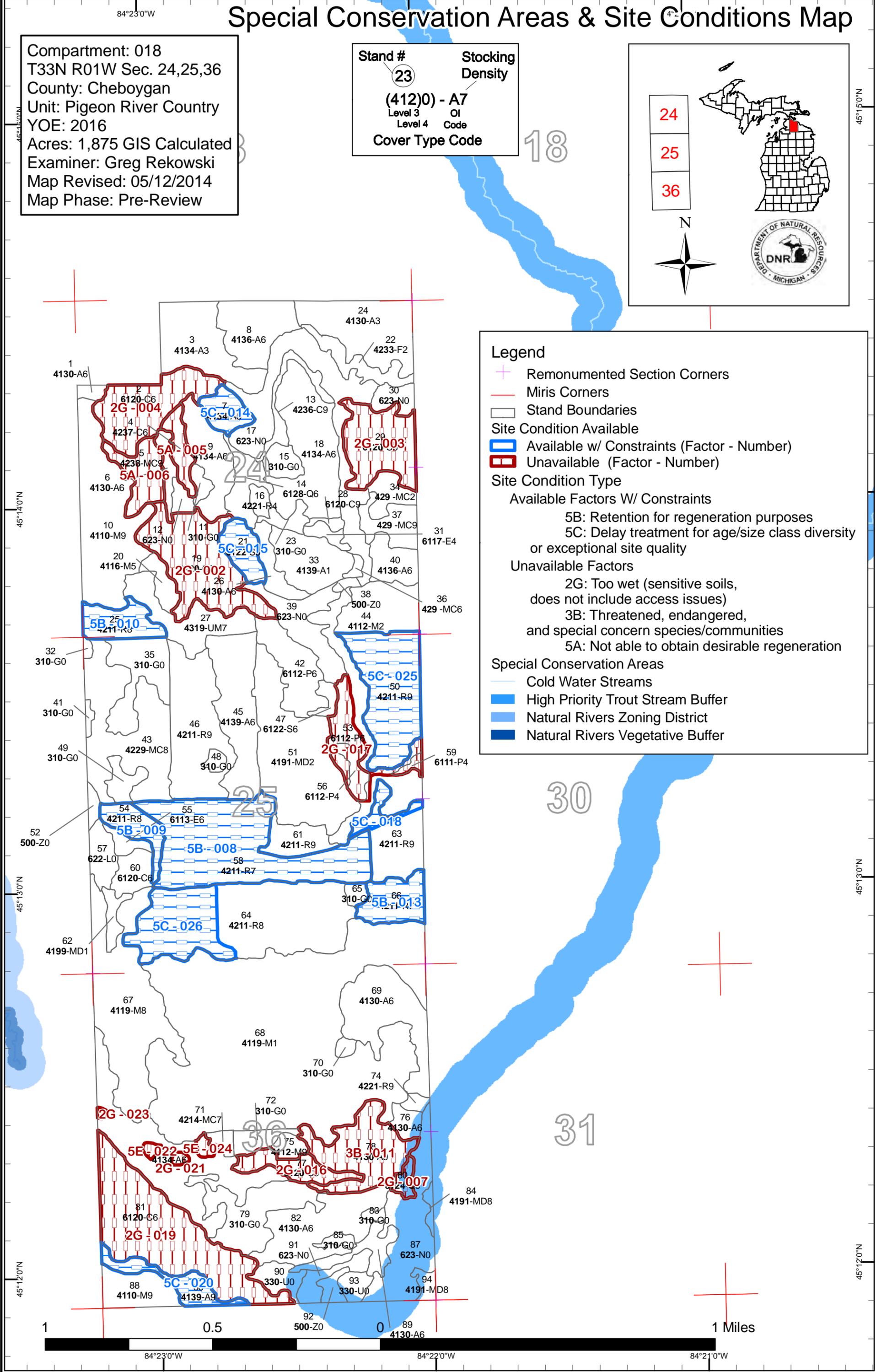
# Special Conservation Areas & Site Conditions Map

Compartment: 018  
 T33N R01W Sec. 24,25,36  
 County: Cheboygan  
 Unit: Pigeon River Country  
 YOE: 2016  
 Acres: 1,875 GIS Calculated  
 Examiner: Greg Rekowski  
 Map Revised: 05/12/2014  
 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
- 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
    - 2G: Too wet (sensitive soils, does not include access issues)
    - 3B: Threatened, endangered, and special concern species/communities
    - 5A: Not able to obtain desirable regeneration
- Special Conservation Areas
  - Cold Water Streams
  - High Priority Trout Stream Buffer
  - Natural Rivers Zoning District
  - Natural Rivers Vegetative Buffer



84°23'0"W      84°22'0"W      84°21'0"W  
 45°15'0"N      45°14'0"N      45°13'0"N      45°12'0"N

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	21	0	104	94	150	32	9	0	12	0	0	0	0	0	421
Cedar	0	0	0	0	0	0	0	0	82	40	29	12	44	0	207
Herbaceous Openland	86	0	0	0	0	0	0	0	0	0	0	0	0	0	86
Low-Density Trees	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Lowland Aspen/Balsam Poplar	0	0	0	0	67	0	0	0	0	0	0	0	0	0	67
Lowland Conifers	0	0	0	0	11	0	0	3	0	0	0	0	0	0	14
Lowland Deciduous	0	0	0	0	0	0	0	3	4	0	0	0	0	0	7
Lowland Shrub	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	14	0	0	0	0	0	14
Marsh	116	0	0	0	0	0	0	0	0	0	0	0	0	0	116
Mixed Upland Deciduous	59	5	0	0	0	0	0	0	5	0	0	0	0	0	68
Natural Mixed Pines	0	0	0	0	0	49	0	0	0	0	0	0	0	0	49
Northern Hardwood	263	0	0	0	0	0	4	0	6	115	15	0	0	0	404
Planted Mixed Pines	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
Red Pine	0	0	3	0	0	0	0	0	321	0	0	0	0	0	324
Upland Conifers	0	8	0	0	0	2	0	0	0	26	0	0	0	0	35
Upland Mixed Forest	0	0	0	0	0	0	0	0	22	0	0	0	0	0	22
Upland Spruce/Fir	0	0	10	0	0	0	0	0	0	0	0	0	0	0	10
Water	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
<b>Total</b>	<b>572</b>	<b>13</b>	<b>117</b>	<b>94</b>	<b>228</b>	<b>83</b>	<b>13</b>	<b>7</b>	<b>469</b>	<b>181</b>	<b>43</b>	<b>12</b>	<b>44</b>	<b>0</b>	<b>1875</b>



## Report 2 – Proposed Treatment Summaries

Don River Country Mgt. Unit  
Year of Entry 2016

Compartment 018  
Total Compartment Acres: 1,875

### Acres by Treatment Type

Commercial Harvest - 195    Tree Planting - 0    Other - 53  
Habitat Cut - 0    Opening Maintenance - 83

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen Types	104	0	0	0	0	0	104
Lowland Deciduous Forest	20	0	0	0	0	0	20
Planted Pines	0	0	42	0	29	0	71
<b>Total</b>	<b>124</b>	<b>0</b>	<b>42</b>	<b>0</b>	<b>29</b>	<b>0</b>	<b>195</b>



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
40 53018040-Cut	10.7	4136 - Aspen, Mixed Conifer	High Density Pole	44	111-140	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal

Prescription -Clearcut with reserves. Cut all aspen, maple, and fir. Leave all other species. Put a 1 chain buffer against the wetland and camping area that is on the west edge and south of the closed road. This will serve as retention for the stand. The remainder of the west treatment line should go right up to the swamp edge.

Other Comments: -Move up to 2014 POW and cut with adjacent stand to the east (Comp 27, stand 18) that is prescribed for a clearcut.

Next Steps: -Acceptable regeneration will be at least a medium-stocked stand with any mix of species dominated by aspen.

Proposed Start Date: 01/17/2014

42 53018042-Cut	20.2	6112 - Lowland Aspen	High Density Pole	43	81-110	Harvest	Clearcut with Reserves	6112 - Lowland Aspen	Cmpt. Review Proposal
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Prescription -Clearcut with reserves. Cut all aspen, BAM, ash, red maple, and fir. Leave all other species. Mark to leave 1-3 sawlog-sized aspen trees/acre to serve as snags and blowdown trees for drumming logs.  
Specs: -Utilize retention pockets to protect any wet drainages.  
-Winter or dry summer harvest only.

Other Comments: -Add brush pile spec for hare. Mark to leave clumps of 5 trees (1 clump per acre), which will be felled by the logger. They should be cut so that the trees are overlapping.

Next Steps: -Acceptable regeneration will be any mix of species dominated by aspen.  
-Regen check at TCR + 4 years.

Proposed Start Date: 10/01/2015

46 53018046-Cut	41.8	42110 - Planted Red Pine	High Density Log	82	81-110	Harvest	Seed Tree with Reserves	42260 - Natural Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription -Mark to leave 10-20 ba/acre in red pine. Leave all white pine and any other species that may be present in the overstory.  
Specs: -Leave 2-3 retention pockets equal to 3-10% of the treatment acreage.

Other Comments: -Whole-tree skidding and summer-only harvest to increase scarification.  
-Add 2" spec to knock down all beech and ironwood regen. Protect dense clumps of white pine regen as much as possible. Protect any red pine or oak regen that may be present.

Next Steps: -If whole-tree skidding does not result in sufficient scarification, use DNR resources to mechanically scarify the site.  
-Following sale completion and scarification, plant 10-20 oak saplings per acre.  
-Acceptable regeneration will be at least a medium-stocked stand with at least a 50% representation of red and white pine. Any mix of species will be acceptable in the remaining regeneration.  
-Regen survey at 4 years after scarification.

Proposed Start Date: 10/01/2015

61 53018061-Cut	11.1	42110 - Planted Red Pine	High Density Log	82	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription -Crown thinning down to an average ba/acre of 80 sq. ft. Only mark red pine, leave all other species.  
Specs: -Mark around sugar maple poles/saps in order to protect them from damage.

Other Comments:

Next Steps: -No regen survey necessary since this is a thinning.

Proposed Start Date: 10/01/2015



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
63 53018063-Cut	17.9	42110 - Planted Red Pine	High Density Log	82	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal

Prescription -Crown thinning down to an average ba/acre of 80 sq. ft. Only mark red pine, leave all other species.

Specs:

Other Comments: -Leave the thin strip of the stand north of Clark Bridge Road as retention.

Next Steps: -No regen survey necessary since this is a thinning.

Proposed Start Date: 10/01/2015

73 53018073-Cut	49.2	4134 - Aspen, Spruce/Fir	High Density Pole	45	111-140	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
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Prescription -Clearcut with reserves. Cut all aspen, maple, jack pine, ironwood, BAM, and balsam fir. Leave all other species as they represent very minor components of the stand.

Specs:  
-Two lowland pockets have already been excluded from the treatment boundary, leave a 1/2 chain buffer around these wetlands. Also, two retention pockets have already been created in the treatment boundary. Focus any additional retention as buffers around lowland pockets or drainages.  
-Mark to leave 1-3 poor-quality aspen and/or fir trees per acre (>10" DBH) to serve as eventual snags and drumming logs.

Other Comments: -Add 2" spec to knock down all red maple and fir regen. However, add a note to protect any red oak regen as well as pockets of hazel or hawthorn shrubs.

-Add spec to protect all existing coarse woody debris.  
-Add brush pile spec for hare. Mark to leave clumps of 5 trees (1 clump per acre), which will be felled by the logger. They should be felled so that the trees are overlapping on the ground. Mark these clumps in the part of the stand that is south/west of the closed road.

Next Steps: -Acceptable regeneration will be at least a medium-stocked stand dominated by aspen with lesser amounts of BAM, fir, maple, pine, and spruce mixed in.  
-Regen survey at TCR + 4 years.

Proposed Start Date: 10/01/2015

82 53018082-Cut	33.7	4130 - Aspen	High Density Pole	42		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
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Prescription -Clearcut with reserves. Cut all aspen, red maple, ironwood, jack pine, BAM, and balsam fir. Leave all other species.

Specs:  
-Use 3-10% of the stands acreage as retention pockets. Focus around lowland pockets or areas with a higher percentage of overstory conifers.  
-Mark to leave 1-3 poor quality aspen and/or fir trees per acre (>10" DBH) to serve as eventual snags and drumming logs.  
-Add spec to protect all existing coarse woody debris.

Other Comments:

Next Steps: -Acceptable regeneration will be at least a medium-stocked stand dominated by aspen, with lesser amounts of BAM, maple, fir, and spruce mixed in.  
-Regen survey at TCR + 4 years.

Proposed Start Date: 10/01/2015

89 53018089-Cut	9.9	4130 - Aspen	High Density Pole	37		Harvest	Clearcut	413 - Aspen	Cmpt. Review Proposal
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Prescription -Cut all aspen, red maple, and fir. Do not cut any other species.

Specs: -No area retention due to the small size of the stand.

Other Comments: -There has been some beaver activity along the edge of this stand.

Next Steps: -Acceptable regeneration will be a forested stand dominated by aspen, with the remaining species being a mix of fir, spruce, pine, and maple.

Proposed Start Date: 10/01/2015



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
64 53018064-Burn	52.7	42110 - Planted Red Pine	Medium Density Log	82	51-80	Prescribed Burn	Unspecified	42260 - Natural Pine, Mixed Deciduous	Cmpt. Review Proposal

Prescription -Burn the understory of this stand to promote a seed bed for a red pine seed-tree harvest which will take place following the burn.

Specs: -The burn should be intense enough to knock back hardwood regeneration in the understory.

Other Comments: -Although rare, there are patches of red pine regeneration (10-20 feet tall) in the stand that should be protected as much as possible during firing operations.  
-The north and south lines of the burn should follow the stand boundary as close as possible. Red pine regeneration is present both to the north and south of the stand boundary (stands 58 and 68) and should be excluded from the burn.

Next Steps: -After burn has been completed, prescribe a seed tree with reserves. Leave 10-20 ba/acre in red pine. Leave all red pine under 8 inches DBH. Leave all other species. Add 2" spec to knock down all hardwood regen, protect all existing red pine and oak regen. Whole-tree skid & summer harvest. Create two retention pockets equal to 3-10% of the treatment acreage.  
-After burn and harvest, plant 10-20 oak saplings per acre.  
-Regen check at TCR + 4 years. Acceptable regen will be at least a medium stocked stand consisting of a mix of pine and deciduous species. Red pine should constitute at least 25% of regen.

Proposed Start Date: 10/01/2015

11 NF_53018011-NonFor	3.1	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 either through prescribed burning, herbicide, or mechanical means.

Specs:

Other Comments:

Next Steps:

Proposed Start Date: Unspecified

15 NF_53018015-NonFor	5.7	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 either through prescribed burning, herbicide, or mechanical means.

Specs:

Other Comments:

Next Steps:

Proposed Start Date: Unspecified

23 NF_53018023-NonFor	4.5	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 either 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
32 NF_53018032-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 either through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

35 NF_53018035-NonFor	20.7	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 either through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

41 NF_53018041-NonFor	1.3	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 either through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

49 NF_53018049-NonFor	6.0	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 either through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

65 NF_53018065-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 either 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>70 NF_53018070-NonFor</b>	1.9	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal

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

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

<b>72 NF_53018072-NonFor</b>	5.9	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 either through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

<b>79 NF_53018079-NonFor</b>	27.2	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 either through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

<b>83 NF_53018083-NonFor</b>	1.4	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 either through prescribed burning, herbicide, or mechanical means.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: Unspecified

<b>85 NF_53018085-NonFor</b>	2.2	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 either 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
Total Treatment Acreage Proposed:		330.7							



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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**

**Availability for Management**

Total Acres	Acres		Dominant Site Conditions	No	5E	5C	5B	5A	3B	2G
	Available	Not Available								
421	384	37	Aspen	363	3	21			32	2
207	17	189	Cedar	17				8		182
67	47	20	Lowland Aspen/Balsam Poplar	47						20
14	11	3	Lowland Conifers	11						3
7	7		Lowland Deciduous	7						
14	14		Lowland Spruce/Fir	3		10				
68	68		Mixed Upland Deciduous	68						
49	49		Natural Mixed Pines	49						
404	404		Northern Hardwood	404						
3	3		Planted Mixed Pines	3						
324	324		Red Pine	129		80	115			
35	21	14	Upland Conifers	21				14		
22	22		Upland Mixed Forest	22						
10	10		Upland Spruce/Fir	10						
1,646	1,382	264	Total Forested Acres	1,155	3	111	115	22	32	207
	84%	16%	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)	44	5A: Not able to obtain desirable regeneration			
<b>Comments:</b>							
003	Not Available	2G: Too wet (sensitive soils, does not include access issues)	29	5A: Not able to obtain desirable regeneration			
<b>Comments:</b>							

004	Not Available	2G: Too wet (sensitive soils, does not include access issues)	31	5A: Not able to obtain desirable regeneration	
Comments:					
005	Not Available	5A: Not able to obtain desirable regeneration	8		
Comments:					
006	Not Available	5A: Not able to obtain desirable regeneration	14		
Comments:					
007	Not Available	2G: Too wet (sensitive soils, does not include access issues)	3		
Comments:					
008	Available	5B: Maintain for regeneration purposes	75		
Comments:					
009	Available	5B: Maintain for regeneration purposes	11		
Comments:					

010	Available	5B: Maintain for regeneration purposes	14
Comments:			
011	Not Available	3B: Threatened, endangered, and special concern species/communities	32
Comments: RSH Nest in stand			
013	Available	5B: Maintain for regeneration purposes	15
Comments:			
014	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9
Comments:			
015	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10
Comments:			
016	Not Available	2G: Too wet (sensitive soils, does not include access issues)	12
Comments:			

## Report 5 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment 018

Greg Rekowski : Examiner

Year of Entry 2016

017	<b>Not Available</b>	2G: Too wet (sensitive soils, does not include access issues)	20	
<b>Comments:</b>				
018	<b>Available</b>	5C: Delay treatment for age/size class diversity or exceptional site quality	6	
<b>Comments:</b>				
019	<b>Not Available</b>	2G: Too wet (sensitive soils, does not include access issues)	66	5A: Not able to obtain desirable regeneration
<b>Comments:</b> There may be portions along the northern boundary that are operable but the majority is wet ground with mediocre quality cedar.				
020	<b>Available</b>	5C: Delay treatment for age/size class diversity or exceptional site quality	12	
<b>Comments:</b>				
021	<b>Not Available</b>	2G: Too wet (sensitive soils, does not include access issues)	1	
<b>Comments:</b> Wetland inclusion				
022	<b>Not Available</b>	5E: Long Term Retention	1	
<b>Comments:</b>				

023	Not Available	2G: Too wet (sensitive soils, does not include access issues)	1
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**Comments:**

Wetland inclusion

024	Not Available	5E: Long Term Retention	2
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**Comments:**

White pine inclusion, very little aspen present, could probably be mapped as its own stand.

025	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	43
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**Comments:**

Delay treatment so understory oak and hardwoods can grow. Consider regen options at next inventory cycle.

026	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	32
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**Comments:**



### 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
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Comments

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**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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	High Density Pole	2.3	36		-Wait ten years.
2	6120 - Lowland Cedar	High Density Pole	31.1	94	141-170	-Stand gently slopes down to the northeast. Several small streams originate in this stand. Quality and size of cedar decline sharply as you move northeast in the stand. -Trace of balsam fir, paper birch, red maple, and white pine.
3	4134 - Aspen, Spruce/Fir	High Density Sapling	30.4	25		-Up and Over Aspen, #53-007-86-01, Kapalla Logging. Some cedar was cut out of this stand. -Very dense balsam fir. A few scattered lowland pockets.
4	42370 - Upland Cedar, Aspen	High Density Pole	7.7	85	141-170	-Stand lies on an upland/lowland transition with most of the ground appearing quite dry. Aspen is decadent. -Old charred stumps throughout the stand.
5	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Log	14.2	93	141-170	-Mix of upland and lowland. Part of stand south of road is upland, north of the road transitions to lowland. -Diverse stand. Leave unmanaged. -Trace of yellow birch (including saplings) and sugar maple.
6	4130 - Aspen	High Density Pole	5.5	34		-The east edge of this stand is very wet. Residual cedar left from previous harvest. -Small opening at the south end of stand.
7	4134 - Aspen, Spruce/Fir	Medium Density Pole	9.0	60	51-80	-Low-stocked stand of poor quality. Non-forested openings mixed in throughout. -Manage with adjacent aspen stand to the west if a treatment is prescribed at some point. -Trace of white pine, hemlock, and cedar.
8	4136 - Aspen, Mixed Conifer	High Density Pole	22.9	36		-Needs ten more years of growth. -Mix of upland and lowland in this stand. Several small inclusions of cedar.
9	4134 - Aspen, Spruce/Fir	High Density Pole	19.7	34		-Some pockets of lowland throughout. -There is a small fence enclosure in the center of this stand. -Other species that were present but rare include white spruce, black cherry, and sugar maple.
10	4110 - Sugar Maple Association	High Density Log	52.4	97	81-110	-Clover Road Hardwood, #53-011-01-01. Thick understory of undesirable hardwoods. -QD overestimated ash abundance. Most of the ash occurred in one plot along the northern edge in a wetter area that wasn't included in the harvest. -Scattered BBD on the beech. -Trace of red maple and aspen.
13	42360 - Upland Cedar	High Density Log	7.2	94	111-140	-Stand lies on a upland/lowland transition.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
14	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	11.1	45	51-80	-Strange stand, appears as if everything except cedar and spruce were cut out of this stand at one time. Couldn't find any sale records though. -A wet drainage runs south through the middle of the stand. The south end becomes very wet and poor quality.
16	42210 - Natural Red Pine	Low Density Pole	3.1	27	1-50	-Strips of red pine, not sure if planted, various sizes.
18	4134 - Aspen, Spruce/Fir	High Density Pole	42.2	42	81-110	-Quite a few small stems, let grow another ten years. -Scattered drainages and wet pockets throughout the stand that should be protected when a harvest is prescribed. -Other species that were present but rare included cedar, white pine, red pine, hemlock, basswood, and paper birch.
19	6120 - Lowland Cedar	High Density Pole	43.8	121	171-200	-Decent quality cedar with only a few areas showing decline. However, overall the cedar is quite small. -At least two streams run through this stand. -Other species that were present but rare include hemlock and paper birch.
20	4116 - Mixed N. Hardwood - Aspen	Medium Density Pole	6.4	82	51-80	-A young hardwood stand with older basswood mixed in. -Basswood regeneration present in the understory but browse is knocking it back.
21	6122 - Black Spruce	Medium Density Pole	10.4	86	81-110	-The south half of the stand has decent quality and may be operable but the quality declines sharply as you move north in the stand. The north half is much wetter with lower stocking. -Understory of stand is sphagnum hummocks with sedge. Pockets of water in between the hummocks.
22	42330 - Upland Fir	Medium Density	10.1	25		-Stand was cut as part of Up and Over Aspen, #53-007-86-01, Kapalla Logging. -Beaver have eliminated most of the aspen from this stand.
24	4130 - Aspen	High Density Sapling	34.1	25		-Up and Over Aspen, #53-007-86-01, Kapalla Logging. 46 cords of cedar cut out of stand, in addition to aspen. -Several long drainages run N-S through this stand.
25	42110 - Planted Red Pine	Medium Density Log	13.9	83	51-80	-#53-021-96-01, Elk View East, selection harvest bought by Biewer, all multi-stemmed hardwoods were cut out of stand as well as some pine. -Very nice sugar maple understory in this stand. Despite heavy browsing, many sugar maple as well as a few basswood have made it past the browsing level. Trace of red oak, white pine, and white ash regen. -Scattered pockets of red pine mortality, although it appears to have occurred many years ago.
26	4130 - Aspen	High Density Pole	8.3	42		-Hold ten years, still a lot of small stems.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
27	4319 - Mixed Upland Forest	Low Density Log	22.3	82	1-50	-Excellent sugar maple regeneration throughout, with the exception of the NW finger of the stand. Basswood regeneration is also very good, however browsing is preventing it from being a major component of the overstory. -Leave the residual overstory trees as supercanopy trees and manage for the understory.
28	6120 - Lowland Cedar	High Density Log	1.7	94	141-170	-Small drainage at the NE corner.
29	6120 - Lowland Cedar	High Density Pole	28.8	100	111-140	-Decent quality cedar at the south end of stand but the stand quickly becomes much wetter as you move north. Pockets of cedar mortality at the north and west edges due to flooding. Quite a bit of blowdown throughout. -Other species that were present but rare include paper birch, tamarack, BAM, hemlock, and red maple.
31	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Pole	3.5	73		Wet stand, low quality.
33	4139 - Aspen, Mixed Deciduous	Low Density Sapling	20.6	6	1-50	-North Road 37 Red Pine, #53-004-06-01. Bought by Highland Timber. Prescription said seed tree but not many red pine left at all. No scarification took place. -Regen is patchy with many open areas. Browse heavy on red maple and aspen in a few spots. -Regen survey 2013 - red pine tpa 80, red maple tpa 1560, q aspen tpa 1460, bfir tpa 160.
34	429 - Mixed Upland Conifers	Medium Density	7.8	19	1-50	-Mix of upland and lowland. Scattered hemlock and cedar throughout. Looks like some cedar was cut in previous harvest.
36	429 - Mixed Upland Conifers	High Density Pole	1.5	50	51-80	
37	429 - Mixed Upland Conifers	High Density Log	11.3	96	81-110	-Diverse stand. Hemlock and cedar mostly in the west part of the stand.
40	4136 - Aspen, Mixed Conifer	High Density Pole	10.7	44	111-140	-Other species that were present but rare include hemlock, cedar, red oak, white spruce, and sugar maple. -Red pine is concentrated along Road 37 and will serve as a good visual buffer.
42	6112 - Lowland Aspen	High Density Pole	20.2	43	81-110	-Some upland inclusions scattered throughout. -Most of this stand should be operable except for a few wet drainages.
43	42290 - Natural Mixed Pine	Medium Density Log	49.1	58	51-80	-Multiple size classes of pine in this stand. Much of the larger white pine has significant weevil damage. Not much commercial value at this point. Hardwoods are more prevalent in the east half of the stand. Trace of red maple, elm, ash, and red oak in the overstory. Nice diversity of mast producing shrubs in the understory (Siberian crabapple, apple, and hawthorn). Autumn olive and Japanese barberry also scattered throughout. -Leave unmanaged for wildlife values.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
44	4112 - Maple, Beech, Cherry Association	Medium Density	20.9	6	1-50	-North Road 37 Red Pine, #53-004-06-01, bought by Highland Timber. Prescription said red pine seed tree but not many seed trees were left at all. No scarification took place. Harvest protected existing advanced hardwood regen but this was mostly ironwood and red maple. All new ingrowth is mostly red maple, black cherry, and ironwood. Thick layer of raspberries/blackberries. -Regen survey 2013 - red pine tpa 0, red maple tpa 1600, black cherry tpa 440, beech tpa 100, ironwood tpa 120, bfir tpa 60. Trace of white ash and white spruce regen.
45	4139 - Aspen, Mixed Deciduous	High Density Pole	34.4	25	51-80	-Fenceline Pine Clearcut, #53-022-86-01, bought by AJD. -Excellent regeneration of sugar maple and basswood in this stand. Unfortunately, heavy browse pressure on the basswood is preventing this species from successfully recruiting into the overstory, with the exception of a few areas. -Previous inventory noted heavy browse pressure on aspen, which may explain it's lack of dominance in the stand. -Consider letting this stand grow and managing for hardwoods.
46	42110 - Planted Red Pine	High Density Log	41.8	82	81-110	-Elk View East, #53-021-96-01, selection cut bought by Biewer. Most hardwoods were cut out at this time. -Most of the hardwood regeneration is undesirable. There are a few small pockets of sugar maple and basswood regen at the north end of the stand but not much to speak of overall. Trace of red and white oak saplings throughout.
47	6122 - Black Spruce	High Density Pole	3.2	88	111-140	-This stand is quite wet, operability is questionable. -Trace of cedar, balsam fir, and paper birch.
50	42110 - Planted Red Pine	High Density Log	42.6	82	81-110	-Large red pine (res ba/acre = 88 sq. ft) last thinned in 1996. Doesn't appear to be a great hardwood site but nevertheless there is a thick understory of hardwoods (mostly undesirable) with a good representation of oak saplings. -There is a small inclusion of pole-sized aspen in the center of the stand (0.8 acres). -Other species that were present in the understory but rare included elm, BAM, sugar maple, white pine, white spruce, basswood, paper birch, and balsam fir.
51	4191 - Mixed Upland Deciduous with Conifer	Medium Density	58.8	5	1-50	-Last Time Red Pine, #53-003-06-01, bought by Northern Pressure Treated Wood. Stand was whole-tree skidded and a good amount of scarification took place. Red pine regen excellent mostly in the west 1/2 of stand, hardwood regen more prevalent in east 1/2 of stand. -Regen survey 2013 - red pine tpa 870, red maple tpa 840, sugar maple tpa 600, red oak tpa 130, ironwood tpa 150, beech tpa 210, q aspen tpa 230, black cherry tpa 260, white ash tpa 80, basswood tpa 140. Trace of white pine, white oak, bfir, and bam. -Heavy browse on maple and basswood.
53	6112 - Lowland Aspen	High Density Pole	40.2	42	81-110	-A few exterior portions of this stand are operable however a very wet drainage goes through the center of this stand. Some blowdown in the wetter areas. Well developed shrub layer. -Other species that were present but rare include cedar, white spruce, elm, white pine, and basswood.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
54	42110 - Planted Red Pine	Medium Density Log	11.1	83	51-80	-Two-aged stand. All hardwoods must have been removed at some point in time. -Basal area becomes much higher in the NW corner of the stand. -Trace of paper birch and red oak in the understory. Trace of white pine in the overstory. -Balsam fir increases in abundance in the south finger of the stand.
55	6113 - Lowland Maple	High Density Pole	3.9	89	81-110	-Adjacent to Cornwall Lake, no management. -Trace of white pine and hemlock.
56	6112 - Lowland Aspen	Low Density Pole	5.2	41	51-80	-Standing water throughout most of the stand. Many trees are dead, those that are still alive appear stressed. This will likely be a lowland shrub stand next entry. -All black ash has EAB.
58	42110 - Planted Red Pine	Low Density Log	75.1	82	1-50	-Last Time Red Pine, #53-003-06-01, bought by Northern Pressure Treated Wood. Sale was whole-tree harvested and quite a bit of scarification took place. Red pine regen looks good in many areas but there is heavy hardwood competition as well as a thick layer of raspberries/blackberries. Avg. ba/acre of overstory red pine around 20, marked heavier closer to Clark Bridge Road. -Regen survey in 2013 (RP MO) - red pine tpa 625, red maple tpa 875, paper birch tpa 208, q aspen tpa 225, sugar maple tpa 242, black cherry tpa 125, ironwood tpa 392, elm tpa 208, beech tpa 275, ash tpa 125, white pine tpa 83, basswood tpa 92, BAM tpa 25. -Heavy browse damage on sugar maple, paper birch, and basswood which will likely prevent these species from reaching the overstory.
59	6111 - Lowland Balsam Poplar	Low Density Pole	1.6	41	51-80	-Very wet stand. A drainage passes through the middle of this stand. -All black ash in stand has EAB.
60	6120 - Lowland Cedar	High Density Pole	8.5	88	51-80	-Poor quality cedar that is declining in some areas. Scattered inclusions of black ash that appears to be dead from EAB.
61	42110 - Planted Red Pine	High Density Log	11.1	82	111-140	-Manage this stand for big trees and on an extended rotation due to travel influence. -Most of the understory white ash, including saplings, appear to have EAB. -Trace of elm, basswood, red oak, white pine, and paper birch in the hardwood understory.
62	4199 - Other Mixed Upland Deciduous	Low Density Sapling	4.7	17		-#53-021-96-01, Elk View East, bought by Biewer, all species clearcut, except cedar. -Browsing has eliminated all aspen except for one clump in the center of the stand. Heavy browse pressure on the red maple and ash regeneration as well. -The apple species listed in the understory is Siberian crabapple. With the heavy component of crabapple, this stand serves well as a U type. -Trace of sugar maple, balsam fir, red oak, and white oak regen. Trace of residual cedar in the overstory.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
63	42110 - Planted Red Pine	High Density Log	23.8	82	111-140	-Manage this stand for big trees and on an extended rotation due to travel influence. -Trace of paper birch and oak in the understory regeneration.
64	42110 - Planted Red Pine	Medium Density Log	84.5	82	51-80	-Two-aged stand. Stand was broken into smaller units and thinned throughout the late 1970's and early 1980's. A couple of small experimental prescribed burns were also conducted in the stand which resulted in a few pockets of nice red pine regeneration, however these are limited. -The remainder of the regeneration east of Road 36 is dominated by poor quality hardwoods. Higher quality hardwood regeneration is present west of Road 36 and includes a larger component of sugar maple, oak, and elm. -Trace of red oak, white oak, balsam fir, basswood, and paper birch in the understory. Trace of basswood and sugar maple in the overstory.
66	42110 - Planted Red Pine	Low Density Log	15.3	82	1-50	-Fire Study Pine, #53-031-88-01, Walker Sawmill. Stand was burned and then thinned heavily. Excellent red pine regeneration in most of the stand. NE 1/4 of stand is only area where red pine regen didn't do well, mostly hardwoods in this area. Some nice red and white oak poles in the understory as well. -Most of the regen is free to grow. Harvesting this stand while at the same time protecting the RP regen would be difficult due to the size of the overstory RP.
67	4119 - Mixed Northern Hardwoods	Medium Density Log	63.0	93	51-80	-The north and west parts of the stand were recently thinned, a lot of volume was removed. The south/southeast portions of this stand were included in the 3C Red Pine sale and had all red pine removed. These areas have a low residual ba/acre with primarily small sugar maple, white ash, and ironwood. Dense raspberry, ironwood, and white ash dominate regeneration in low ba areas, with sugar maple and basswood regen being present occasionally but browsed heavily. -North/northwest finger of stand has a wet drainage with small inclusions of cedar and lowland hardwoods. -Trace of red maple, yellow birch, paper birch, hemlock, beech, and aspen.
68	4119 - Mixed Northern Hardwoods	Low Density Sapling	242.3	6	1-50	-3C Red Pine, #53-006-06-01, bought by Precision. Old prescription said a seed tree but it was essentially a clearcut. Residual red pine scattered every hundred feet or so, and all residual hardwoods were left. Sale sold for \$1,049,136, previous thinning in 1986 sold for \$127,580. -Toss up between a forested or non-forested stand at this point. Regen is patchy and overall does not meet either the RP or northern hardwood minimum stocking levels. Browsing is impacting sugar maple, basswood, oak, and birch regen success. -Heavy raspberry/blackberry component. -Regen survey results (total tpa = 1545) - red pine tpa 242, sugar maple tpa 383, red maple tpa 202, ironwood tpa 275, beech tpa 163, white ash tpa 58, bc tpa 133, BAM tpa 19, white oak tpa 4, basswood tpa 33, bfir tpa 21. Trace of quaking aspen, white pine, white spruce, and paper birch (all less than 5 tpa).



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
69	4130 - Aspen	High Density Pole	33.2	35		-#53-34-76-01, aspen clearcut bought by Champion International. -Wait another ten years due to green-up issues with the adjacent stand to the west that was recently harvested. -Wet drainage runs through the stand as well as several lowland pockets (see 98 DOQ). These should be protected when a harvest is prescribed. -Trace of elm, red pine, white spruce, yellow birch, basswood, paper birch, and sugar maple.
71	42140 - Planted Mixed Pine	Low Density Log	2.8	83	1-50	Sparse overstory, primarily white pine has filled in, although there are a few spots of nice red pine regeneration.
73	4134 - Aspen, Spruce/Fir	High Density Pole	54.9	45	111-140	-Varying site quality throughout. South of the road grades down toward the adjacent lowland swamp and generally has smaller diameters. North of the road has larger diameters. -A few wetland depressions are scattered throughout. A wet drainage is also present in the east side adjacent to the small cedar stand. -A couple small pockets of pine near the northern border of the stand. -Trace of red pine, cedar, paper birch, white ash, sugar maple, ironwood, red oak, white spruce, and black cherry.
74	42210 - Natural Red Pine	High Density Log	2.1	82	81-110	
75	4112 - Maple, Beech, Cherry Association	High Density Log	4.1	69	81-110	-Wet ground along the south edge of the stand. Heavy deer use.
76	4130 - Aspen	High Density Pole	4.8	25		-#53-003-88-01, bought by Ken Boughner. -Stand slopes down to the east with a wet drainage running through the middle.
77	6120 - Lowland Cedar	High Density Log	12.1	110	141-170	-Very wet stand. -Trace of paper birch and black ash. -Some nice pockets of yellow birch saplings.
78	4130 - Aspen	High Density Log	32.4	59	81-110	-Very diverse stand. Trace of red pine, elm, white pine, and black ash. Several wet drainages and lowland pockets in the stand that should be protected if a harvest is prescribed. Browse sensitive and rare species should be left as well if a harvest is prescribed. -Stand was not harvested last entry due to an active RSH nest. Did not find the nest in the documented location, however a new un-documented nest tree was located in the west end of the stand. -Areas of heavy browse on the red maple and ash understory.
80	6124 - Lowland Spruce-Fir	High Density Log	3.2	71	111-140	-Diverse stand of nice quality with some wet pockets scattered throughout. Serves as a nice buffer along the adjacent wetland to the east. -An old road cuts through this stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
81	6120 - Lowland Cedar	High Density Pole	66.0	85	200+	-Mediocre cedar with quite a few small stems. Quality is best near the northern perimeter. -Some very wet pockets scattered throughout the stand, not many places that would be operable. -A stream is present in the SE part of the stand.
82	4130 - Aspen	High Density Pole	33.7	42		-Good quality aspen that is ready to harvest.
84	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	1.8	80	51-80	
86	4139 - Aspen, Mixed Deciduous	High Density Log	11.8	84	81-110	-Two-aged stand of variable sizes. SE1/2 of stand is mostly lowland dominated by large aspen, red maple, and fir. NW1/2 of stand is more upland and has a large component of pole-sized aspen and hardwoods, with scattered mature aspen, fir, and red maple. -Larger aspen and fir is starting to fall over creating good structure. -Stand could have been cut with adjacent stand to the west in Comp 17 when it was cut in 2013 but that window has now closed.
88	4110 - Sugar Maple Association	High Density Log	14.5	102	81-110	-This stand is marked and currently under contract, Chaffee Trail Hardwoods, #53-019-11-01, bought by Tulgetska. -Current stage 1 data reflects residual composition. -Average ba/acre around 90 sq. ft. A few steep slopes that were left unmarked. -High quality hardwoods. -Trace of paper birch, red maple, yellow birch, and white ash.
89	4130 - Aspen	High Density Pole	9.9	37		-#53-006-76-01, aspen and spruce/fir clearcut. -Beavers have removed a good deal of the aspen from the western half of this stand. -Trace of white spruce, black cherry, and red maple.
94	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	3.1	80	1-50	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
11	3105 - Mixed Upland Herbaceous	3.1	No	Unspecified	
12	6239 - Mixed Emergent Wetland	3.3	No	Unspecified	-Standing dead cedar throughout. -Autumn olive along the road that passes through the stand. -Surprising amount of cedar regen in the south half of stand. Browsing impacts aren't too bad.
15	3105 - Mixed Upland Herbaceous	5.7	No	Unspecified	
17	6239 - Mixed Emergent Wetland	45.6	No	Unspecified	
23	3105 - Mixed Upland Herbaceous	4.5	No	Unspecified	
30	6239 - Mixed Emergent Wetland	6.1	No	Unspecified	-Appears to be recently flooded by beavers. Dead standing timber throughout.
32	3105 - Mixed Upland Herbaceous	1.0	No	Unspecified	
35	3105 - Mixed Upland Herbaceous	20.7	No	Unspecified	Conifers are filling in this stand.
38	50 - Water	1.4	No	Unspecified	
39	6239 - Mixed Emergent Wetland	19.4	No	Unspecified	At one time this stand appears to have been flooded by beavers.
41	3105 - Mixed Upland Herbaceous	1.3	No	Unspecified	
48	3105 - Mixed Upland Herbaceous	2.2	No	Unspecified	
49	3105 - Mixed Upland Herbaceous	6.0	No	Unspecified	
52	50 - Water	2.3	No	Unspecified	Cornwall Lake
57	6220 - Alder/willow	8.4	No	Unspecified	
65	3105 - Mixed Upland Herbaceous	2.6	No	Unspecified	
70	3105 - Mixed Upland Herbaceous	1.9	No	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
72	3105 - Mixed Upland Herbaceous	5.9	No	Low	-Filling in with white pine. -Hardwood overstory becomes common in the east end.
79	3105 - Mixed Upland Herbaceous	27.2	No	Low	-Jack and red pine seeding in along the northern edge of the stand. -The central part of this stand was burned at one point. The plow line is still visible.
83	3105 - Mixed Upland Herbaceous	1.4	No	Unspecified	
85	3105 - Mixed Upland Herbaceous	2.2	No	Unspecified	
87	6239 - Mixed Emergent Wetland	34.2	No	Unspecified	
90	3302 - Low Density Conifer Trees	7.4	No	Unspecified	-Most trees are either dead or dying, likely due to flooding from beaver activity.
91	6239 - Mixed Emergent Wetland	7.1	No	Unspecified	
92	50 - Water	3.5	No	Unspecified	
93	3302 - Low Density Conifer Trees	4.5	No	Unspecified	-Currently being flooded, most trees are dead or in the process of dying.