



**ATLANTA FOREST MANAGEMENT UNIT**  
**COMPARTMENT REVIEW PRESENTATION**  
**COMPARTMENT 148 ENTRY YEAR: 2014**

**Compartment Acreage: 1864      County: Presque Isle**

---

**Revision Date:** October 23, 2012

**Stand Examiner:** Barber

**Legal Description:** T35N, R3E, Sec. 13, 14 & 15

**Management Area:** Cheboygan Lake Plain

**Management Goals:** Timber management

**Soil and Topography:** Soils are quite level and sandy textured. Exceptions include muck in the flood plains of the Ocqueoc River and Silver Creek. Habitat types are overwhelmingly PArVHa and PVCd. A notable area of PArVCo stretches along a (mostly former) cedar drainage in sections 13 and 14.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** North south and west, lands are mostly other stateland. The balance is a mix of hunting clubs and farms, as are the lands to the east.

**Unique, Natural Features (include only non-site specific and non-sensitive information):** One or more occurrences have been reported for this compartment. No impacts on activities are expected.

**Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):** One or more occurrences have been reported for this compartment.

**Special Management Designations or Considerations:** None.

**Watershed and Fisheries Considerations:** No special considerations exist for this compartment.

**Wildlife Habitat Considerations:** Compartment 148 consists of excessively drained sandy soils supporting primarily jack pine and red pine plantings in various age classes. Openings in the compartment could be burned to maintain the opening type. Featured wildlife species utilizing this compartment include white-tailed deer, black bear, wild turkeys, snowshoe hare, ruffed grouse, and American woodcock. Wood turtle is likely to be present in the riparian areas as well. The various age classes support a diverse array of songbirds as well. Treatments in this compartment should aim to maintain this diversity of forest age classes.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 0 and 10 feet. Beneath the glacial drift are the Devonian Bell shale and Dundee Limestone. The Dundee is quarried for limestone/stone ten miles to the east. Gravel pits are located to the west and south. There should be some gravel potential in the compartment. This area has had sparse drilling for oil and gas. Oil and gas producing Guelph (Niagaran) reefs are located six miles to the south. None of the State land is leased for oil and gas development.

**Vehicle Access:** Roads to be closed are shown on the compartment map as closed or abandoned.

**Survey Needs:** Surveying may be required for timber sale preparation in stand 41, although some corners were found.

**Recreational Facilities and Opportunities:** Both a snowmobile trail and the Ocqueoc Bicentennial Pathway will be found here.

**Fire Protection:** Adequate.

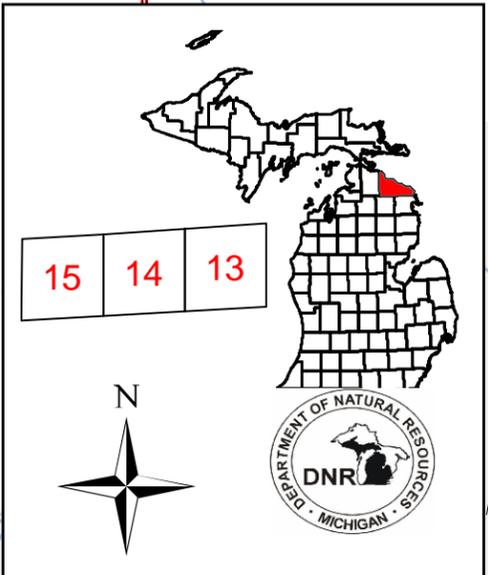
**Additional Compartment Information:**

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
  - ◆ **Cover Type by Age Class**
  - ◆ **Cover Type by Management Objective**

- ◆ **Compartment Volume Summary**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
- **The following information is displayed, where pertinent, on the attached compartment maps:**
- ◆ **Base feature information, stand numbers, cover types**
  - ◆ **Proposed treatments**
  - ◆ **Proposed road access system**
  - ◆ **Suggested potential old growth**

# Cover Type & Treatment Map

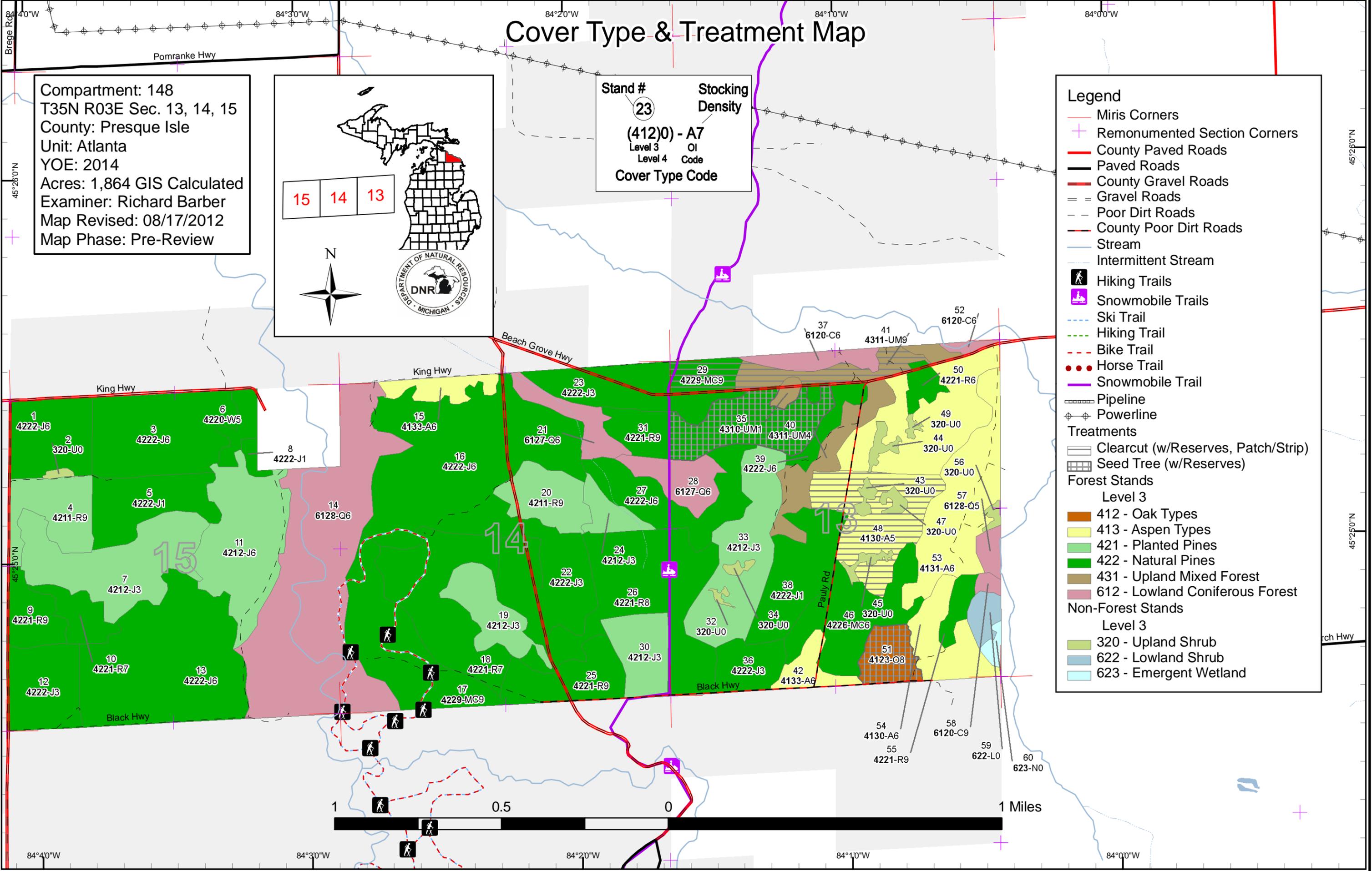
Compartment: 148  
 T35N R03E Sec. 13, 14, 15  
 County: Presque Isle  
 Unit: Atlanta  
 YOE: 2014  
 Acres: 1,864 GIS Calculated  
 Examiner: Richard Barber  
 Map Revised: 08/17/2012  
 Map Phase: Pre-Review



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

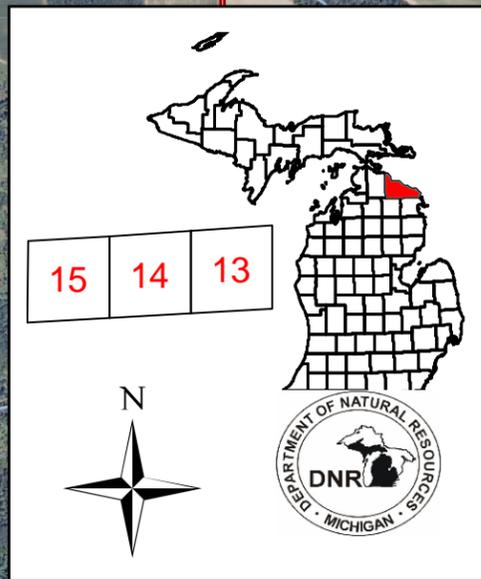
### Legend

- Miris Corners
- Remonumented Section Corners
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Stream
- Intermittent Stream
- Hiking Trails
- Snowmobile Trails
- Ski Trail
- Hiking Trail
- Bike Trail
- Horse Trail
- Snowmobile Trail
- Pipeline
- Powerline
- Treatments
  - Clearcut (w/Reserves, Patch/Strip)
  - Seed Tree (w/Reserves)
- Forest Stands
  - Level 3
    - 412 - Oak Types
    - 413 - Aspen Types
    - 421 - Planted Pines
    - 422 - Natural Pines
    - 431 - Upland Mixed Forest
    - 612 - Lowland Coniferous Forest
  - Non-Forest Stands
    - Level 3
      - 320 - Upland Shrub
      - 622 - Lowland Shrub
      - 623 - Emergent Wetland



# Stand Boundary Map

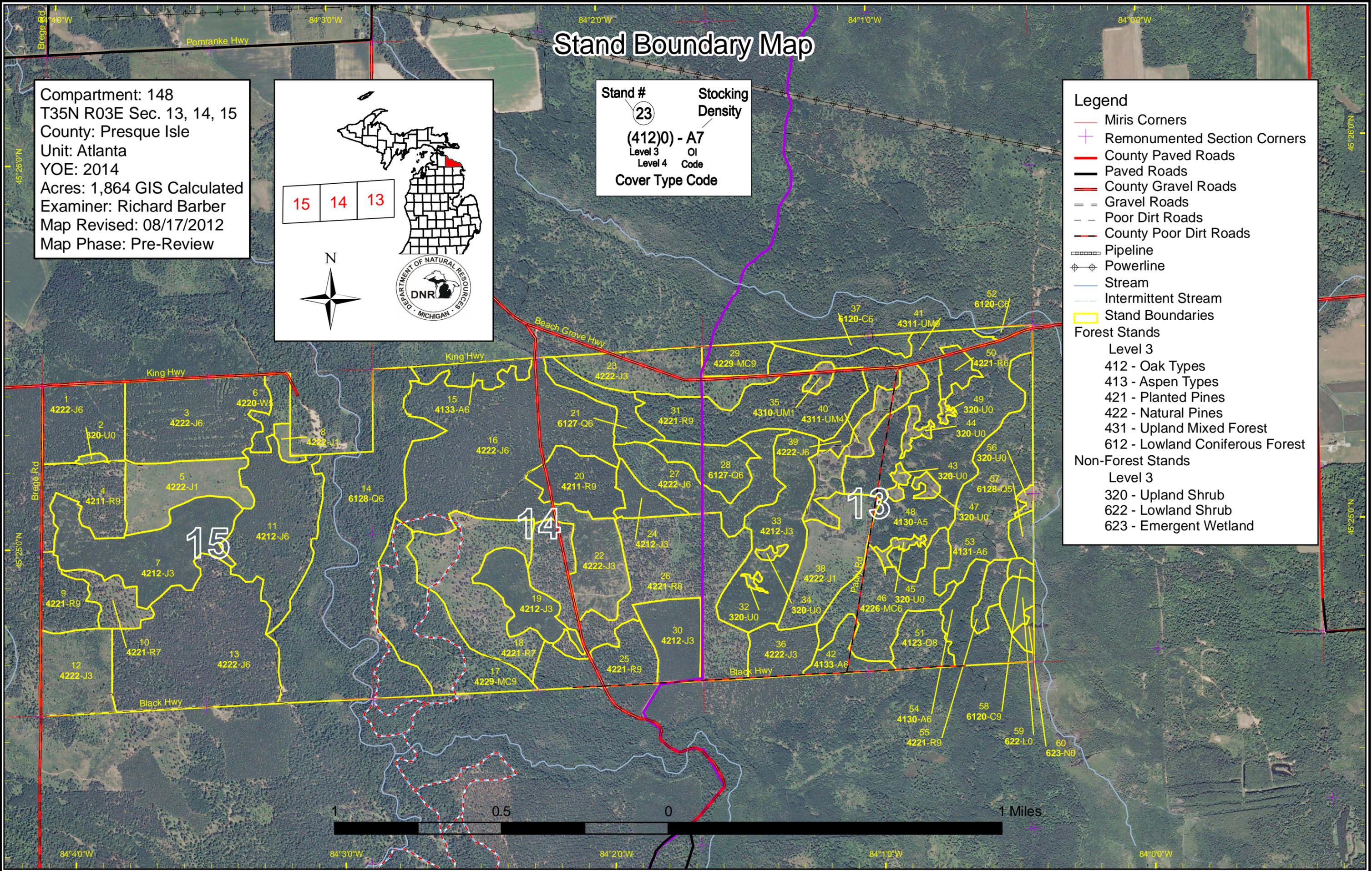
Compartment: 148  
 T35N R03E Sec. 13, 14, 15  
 County: Presque Isle  
 Unit: Atlanta  
 YOE: 2014  
 Acres: 1,864 GIS Calculated  
 Examiner: Richard Barber  
 Map Revised: 08/17/2012  
 Map Phase: Pre-Review



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

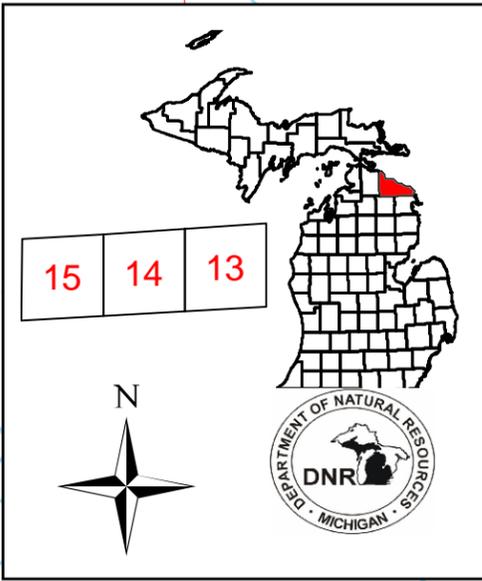
## Legend

- Miris Corners
- + Remonumented Section Corners
- County Paved Roads
- Paved Roads
- County Gravel Roads
- == Gravel Roads
- - Poor Dirt Roads
- - County Poor Dirt Roads
- ▬ Pipeline
- ⊕ Powerline
- Stream
- - Intermittent Stream
- ▭ Stand Boundaries
- Forest Stands**
- Level 3
- 412 - Oak Types
- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3
- 320 - Upland Shrub
- 622 - Lowland Shrub
- 623 - Emergent Wetland



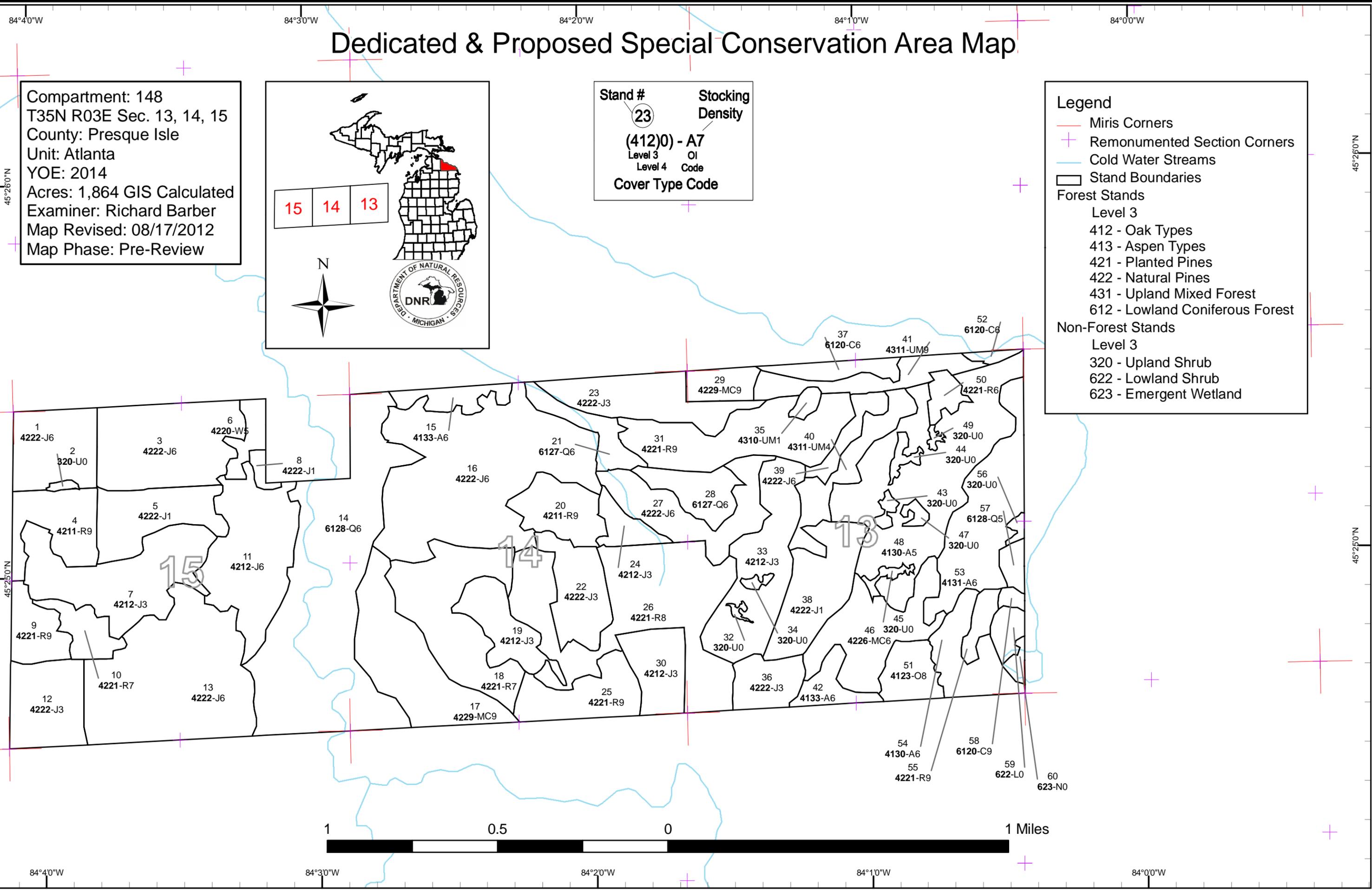
# Dedicated & Proposed Special Conservation Area Map

Compartment: 148  
 T35N R03E Sec. 13, 14, 15  
 County: Presque Isle  
 Unit: Atlanta  
 YOE: 2014  
 Acres: 1,864 GIS Calculated  
 Examiner: Richard Barber  
 Map Revised: 08/17/2012  
 Map Phase: Pre-Review



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

- Legend**
- Miris Corners
  - + Remonumented Section Corners
  - Cold Water Streams
  - Stand Boundaries
  - Forest Stands**
  - Level 3
  - 412 - Oak Types
  - 413 - Aspen Types
  - 421 - Planted Pines
  - 422 - Natural Pines
  - 431 - Upland Mixed Forest
  - 612 - Lowland Coniferous Forest
  - Non-Forest Stands**
  - Level 3
  - 320 - Upland Shrub
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland



**Table 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	0	0	0	215	0	0	0	0	0	0	0	0	0	215
Cedar	0	0	0	0	0	0	0	0	0	0	3	0	15	0	18
Jack Pine	80	273	201	69	0	220	0	0	0	0	0	0	0	0	843
Lowland Conifers	0	0	0	20	0	158	0	0	0	0	6	16	0	0	199
Lowland Shrub	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Marsh	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Natural Mixed Pines	0	0	0	0	0	0	0	106	12	0	0	0	0	0	119
Oak	0	0	0	0	0	0	0	0	17	0	0	0	0	0	17
Red Pine	0	0	0	0	8	26	8	261	60	0	0	0	0	0	362
Upland Mixed Forest	0	0	0	25	0	0	0	0	26	0	0	0	0	0	51
Upland Shrub	19	0	0	0	0	0	0	0	0	0	0	0	0	0	19
White Pine	0	0	0	0	10	0	0	0	0	0	0	0	0	0	10
<b>Total</b>	<b>110</b>	<b>273</b>	<b>201</b>	<b>114</b>	<b>232</b>	<b>403</b>	<b>8</b>	<b>368</b>	<b>116</b>	<b>0</b>	<b>8</b>	<b>16</b>	<b>15</b>	<b>0</b>	<b>1864</b>



## Table 2 – Proposed Treatment Summaries

**Atlanta Mgt. Unit**  
**Year of Entry 2014**

**Compartment 148**  
**Total Compartment Acres: 1864**

### Acres by Treatment Type

Commercial Harvest - 122	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 17	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

### Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
<b>Aspen</b>	48	0	0	0	0	0	0	48
<b>Natural Mixed Pines</b>	12	0	0	0	0	0	0	12
<b>Oak</b>	0	0	17	0	0	0	0	17
<b>Red Pine</b>	0	0	42	0	0	0	0	42
<b>Upland Mixed Forest</b>	19	0	0	0	0	0	0	19
<b>Total</b>	<b>80</b>	<b>0</b>	<b>59</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>139</b>



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
29	54148029- CCR	12.5	42290 - Natural Mixed Pine	High Density Log	84		Harvest	Clearcut with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the <u>Specs:</u> stand's species mix as a whole. Protect oak and pine regeneration. No limb-on skidding.										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2013										
31	54148031-STR	42.5	42210 - Natural Red Pine	High Density Log	87	81-110	Harvest	Seed Tree with Reserves	42210 - Natural Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Mark clumps of 2-4 residual red pine to average tree height spacing between clumps. Clumps should include white pine when feasible. Paint in <u>Specs:</u> 20-30m (66-100 ft) buffer along cedar stands (if present,) vernal ponds and drainages. Cut red maple to 2" spec. Skid full tree to landing. Require chipping of tops. Slash work must be done concurrently with harvesting.										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Post sale: Regenerate red pine and/or white pine, control red maple. This may require any combination of scarification, burning, and herbicide. <u>Steps:</u> Do to the hummockiness of this site, scarification efforts may be ineffective. Continue scarification until full stocking of red pine/white pine mix is achieved.										
<u>Proposed</u> <u>Start Date:</u> 10/01/2013										
41	54148041- CCR	19.1	4311 - Pine, Aspen Mix	High Density Log	86	51-80	Harvest	Clearcut with Reserves	4311 - Pine, Aspen Mix	Cmpt. Review Proposal
<u>Prescription</u> Leave 20-30 ba red oak, all wp,rp. Leave 100 m buffer on Silver Creek. Retain at least 3 to 10 percent of stand area within 100 m of Silver <u>Specs:</u> Creek. Location(s) will be representative of the stand's species mix as a whole.										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2013										
48	54148048- CCR	48.2	4130 - Aspen	Medium Density Pole	40	51-80	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Do not cut red pine, or white pine if present. <u>Specs:</u> Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole, but will generally be in the southern half of the treatment..										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2013										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
51	54148051-STR	16.9	4123 - Red Oak	Medium Density Log	86	51-80	Harvest	Seed Tree with Reserves	42201 - Natural White Pine, Mixed Deciduous	Cmpt. Review Proposal

Prescription Mark to leave 20-30 BA mature oak and red pine in CLUMPS of 2-4 trees. Leave mature white pine if present. Protect advanced white pine  
Specs: regeneration.

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: 10/01/2013

74	C148_S30_Re gen_Survey	50.5	4112 - Maple, Beech, Cherry Association	High Density Log	82	111-140	Other	Unspecified	Unspecified	Premature Termination - Pending Next Step
----	---------------------------	------	---	---------------------	----	---------	-------	-------------	-------------	--

Prescription  
Specs:

Other  
Comments:

Next  
Steps:

Proposed  
Start Date: 09/01/2009

**Total Treatment  
Acreage Proposed: 189.7**

S  
t  
a  
n  
d

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

#Error

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Error

Limiting Factor and No  
Treatment Reason

**Total Treatment**  
**Acreage Proposed: 0**

**Out of YOE -- Treatments  
Prescribed with No Limiting Factor**

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
<b>54002031-N-CCR Burn/Scarify</b>	2.9	42220 - Natural Jack Pine	High Density Pole	69		Harvest	Clearcut with Reserves	42121 - Planted Jack Pine, Mixed Deciduous	Cmpt. Review Proposal - Incomplete

Prescription Do not cut red pine, white pine, oak. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.

Other Comments:

Next Steps: Post harvest: if this treatment falls inside of a BSA, then burn or scarify before planting jack pine. When planting, attempt to avoid the use of trenching. If the treatment is not inside a BSA, plant jack pine.

Proposed Start Date: 10/01/2010

<b>54002031-N-CCR Burn/Scarify</b>	2.9	42220 - Natural Jack Pine	High Density Pole	69		Harvest	Clearcut with Reserves	42121 - Planted Jack Pine, Mixed Deciduous	Cmpt. Review Proposal - Incomplete
--	-----	---------------------------	-------------------	----	--	---------	------------------------	--	------------------------------------

Prescription Do not cut red pine, white pine, oak. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.

Other Comments:

Next Steps: Post harvest: if this treatment falls inside of a BSA, then burn or scarify before planting jack pine. When planting, attempt to avoid the use of trenching. If the treatment is not inside a BSA, plant jack pine.

Proposed Start Date: 10/01/2010

**Total Treatment  
Acreage Proposed: 5.8**

S  
t  
a  
n  
d

## Atlanta Mgt. Unit

## 5 – Forested Stands

Compartment: 148

Year of Entry: 2014



Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42220 - Natural Jack Pine	High Density Pole	35.9	50		
42220 - Natural Jack Pine	High Density Pole	63.8	50		
42110 - Planted Red Pine	High Density Log	30.3	70	51-80	
42220 - Natural Jack Pine	Low Density Sapling	35.7	6		
42200 - Natural White Pine	Medium Density Pole	9.8	49	51-80	
42120 - Planted Jack Pine	High Density Sapling	63.7	17		
42220 - Natural Jack Pine	Low Density Sapling	3.3	6		
42210 - Natural Red Pine	High Density Log	18.9	72	51-80	
42210 - Natural Red Pine	Low Density Log	14.8	72	1-50	
42120 - Planted Jack Pine	High Density Pole	64.0	24		
42220 - Natural Jack Pine	High Density Sapling	35.2	15		
42220 - Natural Jack Pine	High Density Pole	109.9	50	81-110	
6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	157.6	57	81-110	A large, complex stand. Less steeply sloped portions of stand tend to descend in terraces, with the flats being lowland cedar. Steeper portions are upland, inset with cedar seeps and streams.
4133 - Aspen, Mixed Pine	High Density Pole	12.4	47	51-80	
42220 - Natural Jack Pine	High Density Pole	136.8	24		
42290 - Natural Mixed Pine	High Density Log	60.6	73	51-80	
42210 - Natural Red Pine	Low Density Log	62.2	73	1-50	
42120 - Planted Jack Pine	High Density Sapling	25.1	15		

S  
t  
a  
n  
d

## Atlanta Mgt. Unit

## 5 – Forested Stands

Compartment: 148  
Year of Entry: 2014

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	42110 - Planted Red Pine	High Density Log	25.5	50	111-140	
21	6127 - Lowland Pine	High Density Pole	16.2	112	51-80	A broad, wet drainage leading to Ocqueoc River. Standing water.
22	42220 - Natural Jack Pine	High Density Sapling	30.6	15		
23	42220 - Natural Jack Pine	High Density Sapling	38.8	15		
24	42120 - Planted Jack Pine	High Density Sapling	11.0	36		
25	42210 - Natural Red Pine	High Density Log	30.5	73	51-80	
26	42210 - Natural Red Pine	Medium Density Log	104.8	73	51-80	
27	42220 - Natural Jack Pine	High Density Pole	39.4	36		
28	6127 - Lowland Pine	High Density Pole	19.8	36		
29	42290 - Natural Mixed Pine	High Density Log	12.5	84		
30	42120 - Planted Jack Pine	High Density Sapling	24.8	18		
31	42210 - Natural Red Pine	High Density Log	59.8	87	81-110	
33	42120 - Planted Jack Pine	High Density Sapling	55.0	15		Seeded 11/1996.
35	4310 - Pine, Oak Mix	Low Density Sapling	3.5	86	1-50	Appears to have fire history within last ten years. No mention of treatment in OIPC.
36	42220 - Natural Jack Pine	High Density Sapling	18.8	37		
37	6120 - Lowland Cedar	High Density Pole	12.0	130		
38	42220 - Natural Jack Pine	Low Density Sapling	40.9	6		a few scattered wp and rp log trees.
39	42220 - Natural Jack Pine	High Density Pole	10.7	50		aspen poles north end.

S  
t  
a  
n  
d

## Atlanta Mgt. Unit

## 5 – Forested Stands

Compartment: 148  
Year of Entry: 2014

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
40	4311 - Pine, Aspen Mix	Low Density Pole	24.9	37		
41	4311 - Pine, Aspen Mix	High Density Log	22.8	86	51-80	
42	4133 - Aspen, Mixed Pine	High Density Pole	12.2	40	1-50	
46	42260 - Natural Pine, Mixed Deciduous	High Density Pole	45.7	79	51-80	
48	4130 - Aspen	Medium Density Pole	105.6	40	51-80	Portions away from road can be nearly pure aspen.
50	42210 - Natural Red Pine	High Density Pole	7.5	40	81-110	
51	4123 - Red Oak	Medium Density Log	16.9	86	51-80	
52	6120 - Lowland Cedar	High Density Pole	2.9	130		
53	4131 - Aspen, Oak	High Density Pole	57.0	40	1-50	
54	4130 - Aspen	High Density Pole	27.4	40	1-50	
55	42211 - Natural Red Pine, Mixed Deciduous	High Density Log	7.8	64	51-80	
57	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	5.8	102		
58	6120 - Lowland Cedar	High Density Log	2.7	102		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	320 - Upland Shrub	1.3	N/A	Unspecified	
32	320 - Upland Shrub	1.0	N/A	Unspecified	
34	320 - Upland Shrub	1.6	N/A	Unspecified	
43	320 - Upland Shrub	2.6	N/A	Unspecified	
44	320 - Upland Shrub	3.6	N/A	Unspecified	
45	320 - Upland Shrub	2.8	N/A	Unspecified	
47	320 - Upland Shrub	2.6	N/A	Unspecified	
49	320 - Upland Shrub	1.2	N/A	Unspecified	
56	320 - Upland Shrub	1.9	N/A	Unspecified	
59	622 - Lowland Shrub	7.9	N/A	Unspecified	
60	623 - Emergent Wetland	3.3	N/A	Unspecified	



**7 – 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.

Stand	SCA Type	SCA Name	Acres	Comments
-------	----------	----------	-------	----------



**8 – DEDICATED CONSERVATION AREA DETAILS**

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

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

Conservation Area	Type	Description
SCA	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.