



**ATLANTA FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 35 ENTRY YEAR: 2013**

**Compartment Acreage: 1,868      County: Montmorency**

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**Revision Date:** 10/27/2011

**Stand Examiner:** Cody Stevens

**Legal Description:** T31N-R1E Sections 21, 28, 33

**RMU (if applicable):** Rattlesnake Hills

**Management Goals:**

The main goal in this compartment is to conduct multiple resource management for the good of the citizens of the State of Michigan.

**Soil and Topography:**

The topography of the compartment is rolling to steep hills in the Northern and Southern portions of the compartment. The center portion is level low ground dominated by cedar swamp. The dominate cover types for the upland part of the compartment are hardwoods with oak and aspen. The East Branch of the Black River flows through the center of compartment.

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

The compartment boundary is state land throughout except on 40 acre of private. The compartment has a lot of antrim gas production development and use.

**Unique, Natural Features:**

Some species are present in and around the compartment.

**Archeological, Historical, and Cultural Features.**

None known at this time.

**Special Management Designations or Considerations:**

None at this time.

**Watershed and Fisheries Considerations:**

**Fisheries Concerns:**

**Wildlife Habitat Considerations:**

This compartment is within the core elk range in Michigan. Other featured species that utilize the area include white-tailed deer, black bear, ruffed grouse, American woodcock, and pileated woodpeckers. Several wildlife openings in the compartment provide food and cover for wildlife and will be maintained for those values. Hardwood thinnings prescribed in the compartment should retain larger diameter oaks to provide a food source for wildlife.

**Mineral Resource and Development Concerns and/or Restrictions:**

Surface sediments consist of an end moraine of medium-textured till, glacial outwash sand and gravel and postglacial alluvium and coarse-textured glacial till. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift are the Mississippian Coldwater and Sunbury Shales and the Devonian Berea Sandstone and Bedford Shale. There is no known economic use for these formations. The nearest gravel pit is two miles to the west, but the potential is considered to be good on the uplands. This area has been drilled and is producing gas from the Antrim Shale.

**Vehicle Access:**

This compartment is accessed from 3 main roads: Camp 8 Rd, Huff Rd and Co Rd 622. There are several two tracks for traversing the area.

**Survey Needs:**

None needed at this time.

**Recreational Facilities and Opportunities:**

There are many opportunities for mushroom picking, hunting, fishing and wildlife viewing in the area.

**Fire Protection:**

Fire response to the compartment will be covered by the Atlanta DNR office as well as the Vienna Township Fire Department.

**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 35  
 T31N, R01E, Sec. 21, 28, 33  
 County: Montmorency  
 Unit: Atlanta  
 YOE: 2013  
 Acres: 1,868 GIS Calculated  
 Stand Examiner: Cody Stevens  
 Map Revised: 8/11/2011  
 Map Phase: Pre-Review

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

**Legend**

- Miris Corners
- County Gravel Roads
- Poor Dirt Roads
- Pipe
- Intermittent Stream/Drain
- Stream
- State Forest Land

**Treatments**

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

**Forest Stands**

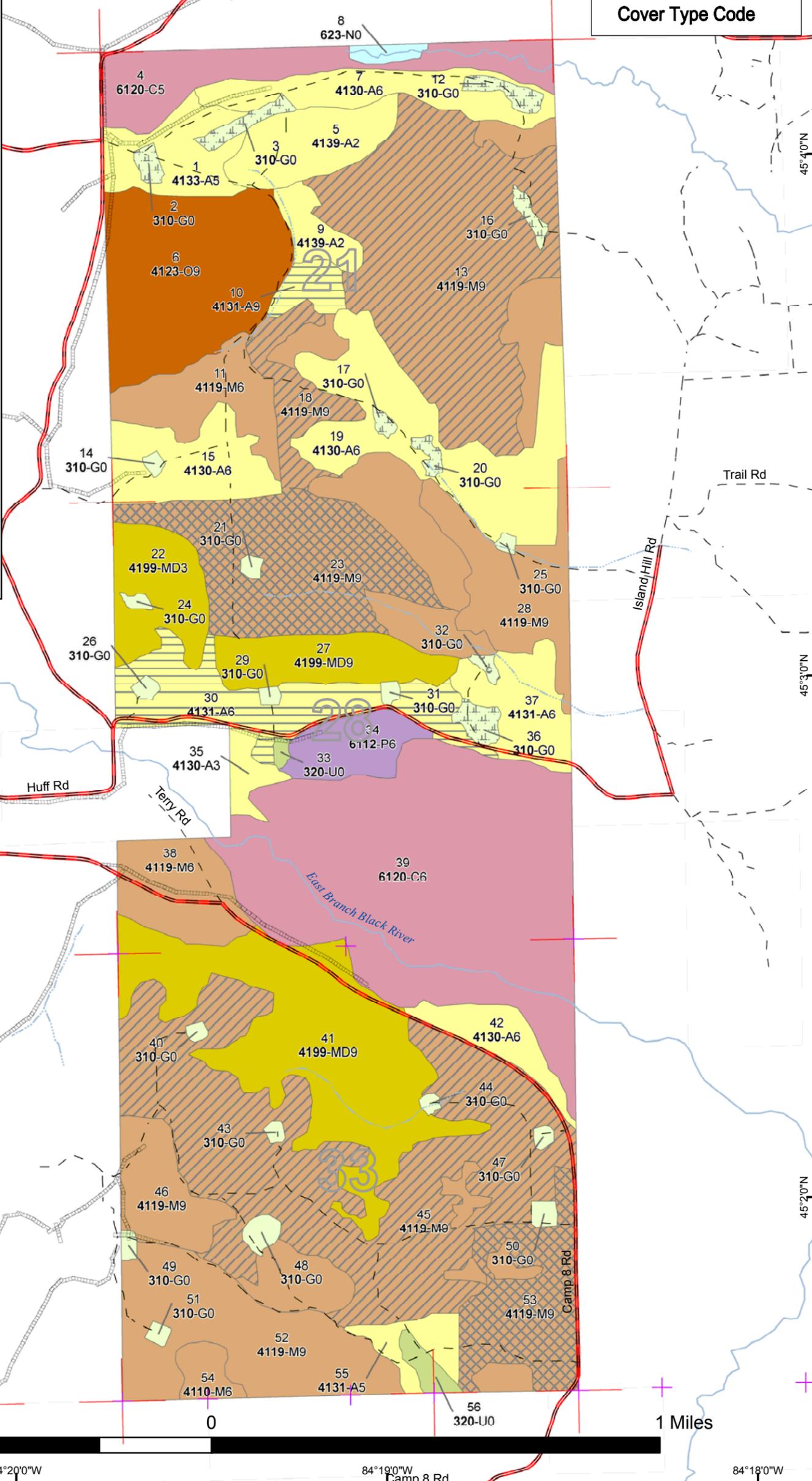
Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

**Non-Forest Stands**

Level 3

- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 623 - Emergent Wetland



45°50'N  
45°40'N  
45°30'N  
45°20'N

84°20'0"W  
84°19'0"W  
84°21'0"W  
84°20'0"W  
84°19'0"W  
84°18'0"W

1 0.5 0 1 Miles

# Stand Boundary Map

Compartment 35  
 T31N, R01E, Sec. 21, 28, 33  
 County: Montmorency  
 Unit: Atlanta  
 YOE: 2013  
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 Stand Examiner: Cody Stevens  
 Map Revised: 8/11/2011  
 Map Phase: Pre-Review

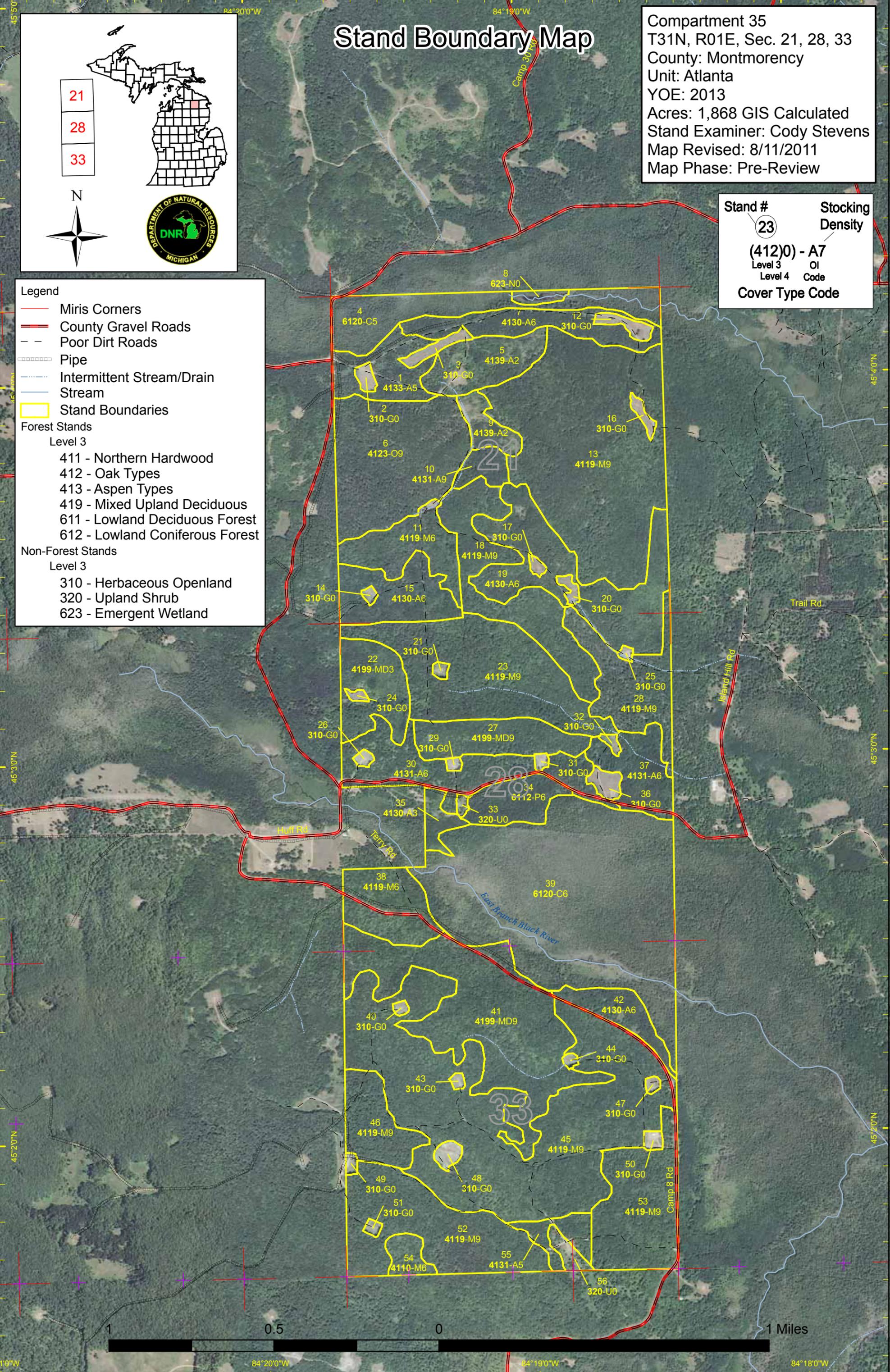
Stand # **23**  
 Stocking Density  
**(412)0 - A7**  
 Level 3 OI  
 Level 4 Code  
 Cover Type Code

**Legend**

- Miris Corners
- County Gravel Roads
- - Poor Dirt Roads
- Pipe
- Intermittent Stream/Drain
- Stream
- Stand Boundaries

**Forest Stands**  
 Level 3  
 411 - Northern Hardwood  
 412 - Oak Types  
 413 - Aspen Types  
 419 - Mixed Upland Deciduous  
 611 - Lowland Deciduous Forest  
 612 - Lowland Coniferous Forest

**Non-Forest Stands**  
 Level 3  
 310 - Herbaceous Openland  
 320 - Upland Shrub  
 623 - Emergent Wetland



# Dedicated & Proposed Special Conservation Area Map

Compartment 35  
 T31N, R01E, Sec. 21, 28, 33  
 County: Montmorency  
 Unit: Atlanta  
 YOE: 2013  
 Acres: 1,868 GIS Calculated  
 Stand Examiner: Cody Stevens  
 Map Revised: 8/11/2011  
 Map Phase: Pre-Review

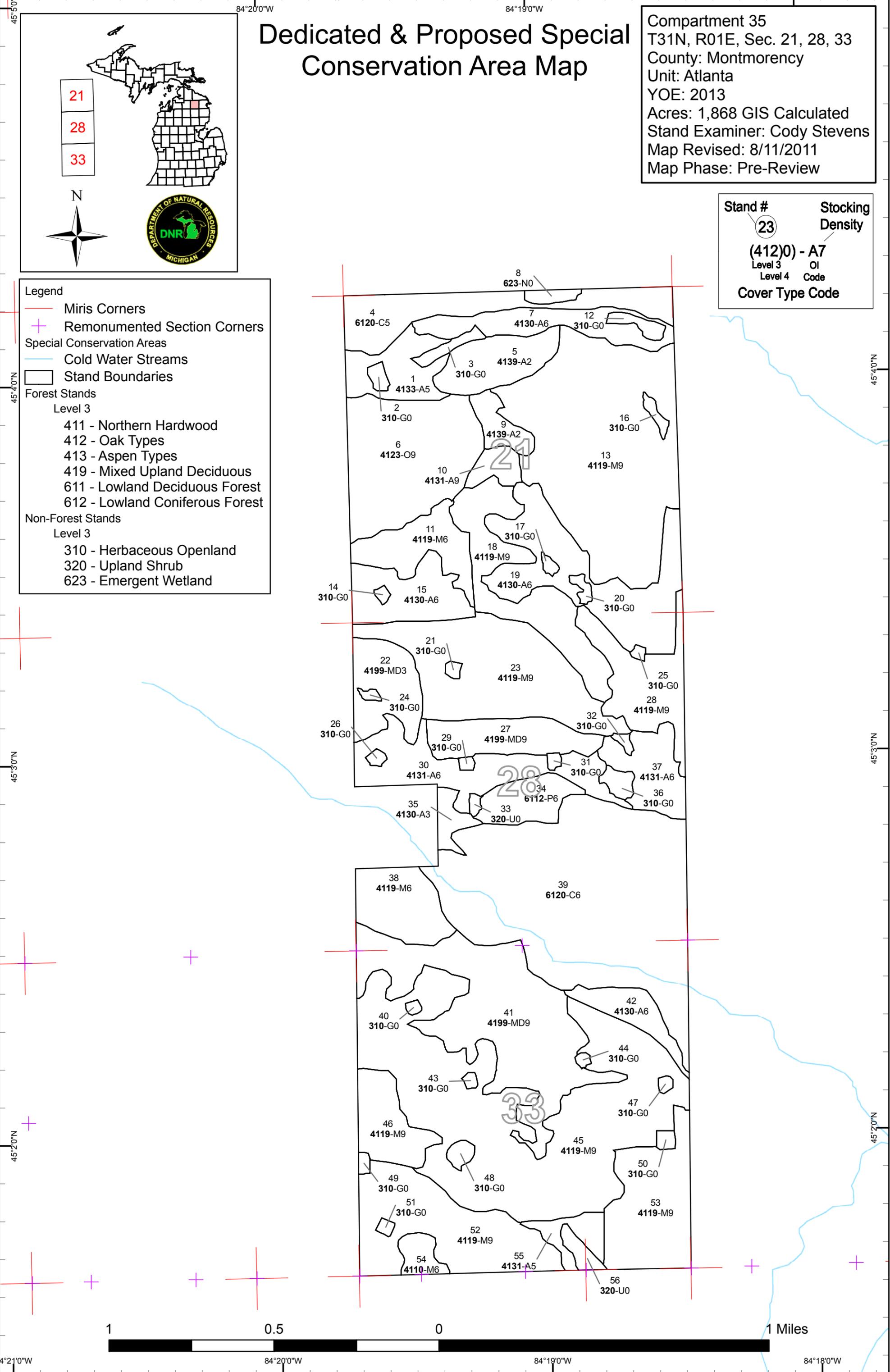
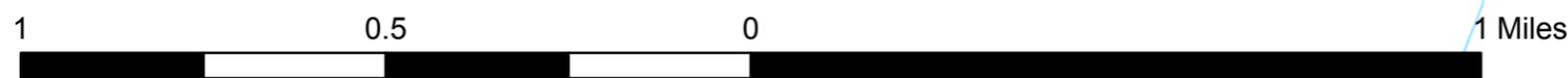
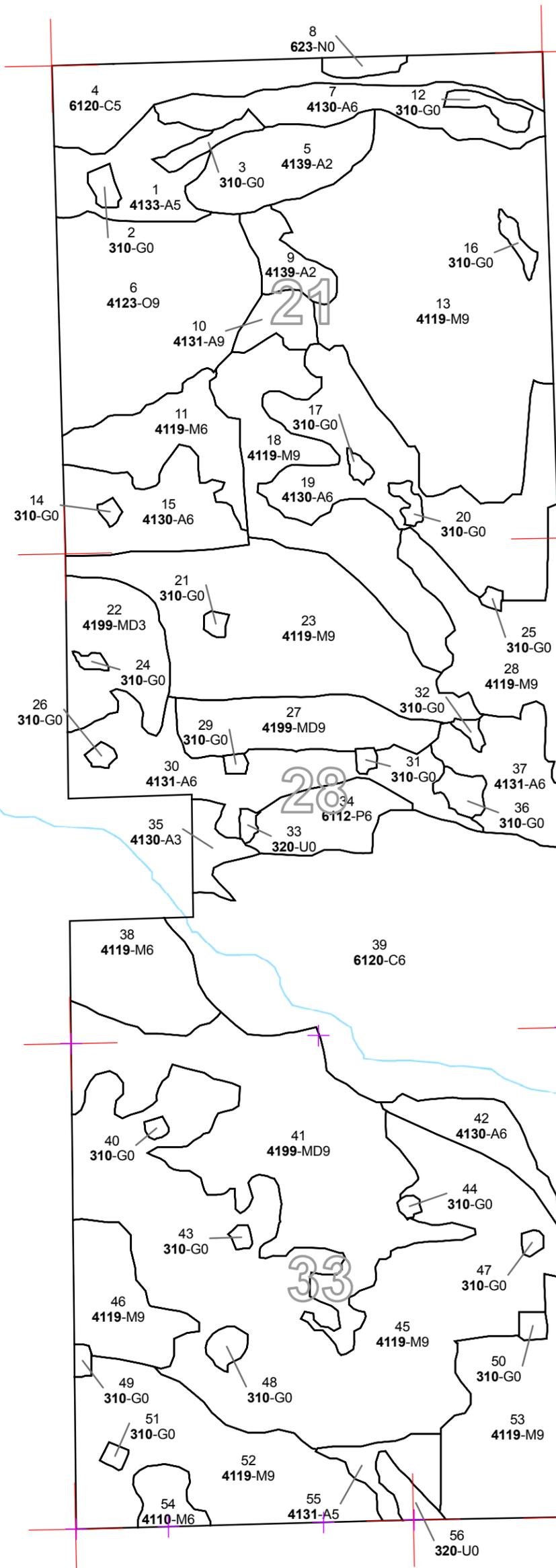
21  
 28  
 33



### Legend

- Miris Corners
- + Remonumented Section Corners
- Special Conservation Areas
- Cold Water Streams
- Stand Boundaries
- Forest Stands
  - Level 3
  - 411 - Northern Hardwood
  - 412 - Oak Types
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
- Non-Forest Stands
  - Level 3
  - 310 - Herbaceous Openland
  - 320 - Upland Shrub
  - 623 - Emergent Wetland

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



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



	Age Class														Total	
	Non-Forested	1-9	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	21	122	82	61	0	55	0	10	0	0	0	0	0	350
Cedar	0	0	0	0	0	0	0	0	0	0	285	0	0	0	0	285
Herbaceous Openland	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Lowland Aspen/Balsam Poplar	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	22
Marsh	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Mixed Upland Deciduous	0	0	0	34	0	0	0	0	0	160	0	0	0	0	0	193
Northern Hardwood	0	0	0	0	33	9	0	35	0	797	0	0	0	0	0	873
Oak	0	0	0	0	0	0	0	0	0	90	0	0	0	0	0	90
Upland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
<b>Total</b>	<b>55</b>	<b>0</b>	<b>21</b>	<b>155</b>	<b>137</b>	<b>70</b>	<b>0</b>	<b>89</b>	<b>0</b>	<b>1056</b>	<b>285</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1868</b>



## Table 2 – Proposed Treatment Summaries

**Atlanta Mgt. Unit**  
**Year of Entry 2013**

**Compartment 035**  
**Total Compartment Acres: 1868**

### Acres by Treatment Type

Commercial Harvest - 582	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 1	Other - 0
Habitat Cut - 23	Opening Maintenance - 22	Tree Seeding - 0	Pesticide - 0	

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
<b>Aspen</b>	64	0	0	0	0	0	<b>64</b>
<b>Northern Hardwood</b>	0	140	0	0	400	0	<b>541</b>
<b>Total</b>	<b>64</b>	<b>140</b>	<b>0</b>	<b>0</b>	<b>400</b>	<b>0</b>	<b>605</b>



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
10	35010-C.Cut	9.5	4131 - Aspen, Oak	High Density Log	83	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<p><u>Prescription</u> Clear Cut: Leave 1-3 oak per acre. Probably have to leave east part of stand as retention due to slopes.  <u>Specs:</u></p> <p><u>Other</u> Acceptable Regeneration is any mix of aspen, oak and maple.  <u>Comments:</u></p> <p><u>Next</u> Regen survey if necessary.  <u>Steps:</u></p>									
13	35013-Thin	159.3	4119 - Mixed Northern Hardwoods	High Density Log	85	Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<p><u>Prescription</u> Thin to 80 BA. Stand has some steep slopes, treatment lines may change as evaluated while marking.  <u>Specs:</u></p> <p><u>Other</u> Not a regen cut, but some regen holes may be created. Access road into stand has steep hill.  <u>Comments:</u></p> <p><u>Next</u>  <u>Steps:</u></p>									
18	35018-Thin	23.3	4119 - Mixed Northern Hardwoods	High Density Log	83	Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<p><u>Prescription</u> Thin to 80. Only treating portion of stand because of steep slopes.  <u>Specs:</u></p> <p><u>Other</u> Not a regen cut but some regen holes will be created while marking.  <u>Comments:</u></p> <p><u>Next</u>  <u>Steps:</u></p>									
23	35023-Select	88.0	4119 - Mixed Northern Hardwoods	High Density Log	85	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<p><u>Prescription</u> Thin to 70 BA. Stand has heavy ironwood understory, have loggers cut/runover as much as possible.  <u>Specs:</u></p> <p><u>Other</u> Not a lot of volume to remove but need to treat before EAB hits. Acceptable regen is any mix of hdwd..  <u>Comments:</u></p> <p><u>Next</u>  <u>Steps:</u></p>									
30	35030-C.Cut	54.7	4131 - Aspen, Oak	High Density Pole	68	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<p><u>Prescription</u> clear cut leave scattered oak and pine up to 1-3 per acre.  <u>Specs:</u></p> <p><u>Other</u> Acceptable regen is any mix of aspen, oak, pine or maple.  <u>Comments:</u></p> <p><u>Next</u> Regen Survey if elk browse is an issue.  <u>Steps:</u></p>									
45	35045-Thin	217.7	4119 - Mixed Northern Hardwoods	High Density Log	82	Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<p><u>Prescription</u> Thin to 80 BA. Steep slopes will probably cause treatment lines to change. Treat all slopes that are workable. Evaluate as marking is done.  <u>Specs:</u></p> <p><u>Other</u> Not a regen cut, but some regen holes may be created while marking.  <u>Comments:</u></p> <p><u>Next</u>  <u>Steps:</u></p>									



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
53	35053-Select	52.4	4119 - Mixed Northern Hardwoods	High Density Log	82	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<u>Prescription</u> Thin to 80 BA. Some steep slopes. Treat everything that is workable.									
<u>Specs:</u>									
<u>Other</u> Acceptable regen is any mix of HDWD.									
<u>Comments:</u>									
<u>Next</u>									
<u>Steps:</u>									
32	NF_54035032- Burn	1.4	Non-Forested		0	Prescribed Burn	Unspecified	31022 - Warm Season Grass	Cmpt. Review Proposal
<u>Prescription</u> Burn native grasses to regenerate and maintain opening. If burn is not possible, maintain as opening through mowing									
<u>Specs:</u>									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation									
<u>Steps:</u>									
2	NF_54035002- NonFor	2.5	Non-Forested		0	Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife									
<u>Specs:</u>									
<u>Other</u> Was mowed in 2010									
<u>Comments:</u>									
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation									
<u>Steps:</u>									
3	NF_54035003- NonFor	4.5	Non-Forested		0	Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through planting to food and cover crops for wildlife									
<u>Specs:</u>									
<u>Other</u> Planted to food and cover in 2010									
<u>Comments:</u>									
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation									
<u>Steps:</u>									
12	NF_54035012- NonFor	4.3	Non-Forested		0	Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through planting to food and cover crops for wildlife									
<u>Specs:</u>									
<u>Other</u> Planted to food and cover in 2010									
<u>Comments:</u>									
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation									
<u>Steps:</u>									
16	NF_54035016- NonFor	2.5	Non-Forested		0	Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through planting to food and cover crops for wildlife									
<u>Specs:</u>									
<u>Other</u> Knapweed present									
<u>Comments:</u>									
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation									
<u>Steps:</u>									

**Table 3 -- Treatments Prescribed  
with No Limiting Factor**



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
17	NF_54035017- NonFor	1.4	Non-Forested		0	Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife									
<u>Specs:</u>									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation									
<u>Steps:</u>									
20	NF_54035020- NonFor	2.2	Non-Forested		0	Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through planting to food and cover crops for wildlife									
<u>Specs:</u>									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation									
<u>Steps:</u>									
36	NF_54035036- NonFor	4.5	Non-Forested		0	Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through planting to food and cover crops for wildlife									
<u>Specs:</u>									
<u>Other</u> Knapweed present									
<u>Comments:</u>									
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation									
<u>Steps:</u>									
<b>Total Treatment Acreage Proposed:</b>		<b>628.4</b>							

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Error

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Limiting Factor and No  
Treatment Reason

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**Total Treatment  
Acreage Proposed: 0**

Out of YOE -- Treatments  
Prescribed with No Limiting Factor

Year of Entry: 2013



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription  
Specs:

Other  
Comments:

Next  
Steps:

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**Total Treatment  
Acreage Proposed: 0**

Stand	Atlanta Mgt. Unit		5 – Forested Stands			Compartment: 035	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
1	4133 - Aspen, Mixed Pine	Medium Density Pole	27.5	44			
4	6120 - Lowland Cedar	Medium Density Pole	50.6	91			lot of dieback.
5	4139 - Aspen, Mixed Deciduous	Medium Density	31.2	27			some u-type.
6	4123 - Red Oak	High Density Log	89.9	87	51-80		stand was thinned in 2008
7	4130 - Aspen	High Density Pole	33.5	44			none
9	4139 - Aspen, Mixed Deciduous	Medium Density	12.3	17			sloping terrain Some areas of U type, where wildfire was and heavy elk browse spots.
10	4131 - Aspen, Oak	High Density Log	9.5	83			mix of aspen and oak with scattered hdwd. east side of stand has a steep slope.
11	4119 - Mixed Northern Hardwoods	High Density Pole	32.7	36	51-80		pole sized northern hardwoods with mature logs on site.
13	4119 - Mixed Northern Hardwoods	High Density Log	183.1	85	111-140		stand has a few hills, all are workable except se corner of stand and ne corner. few areas of lower ba's. pockets of pure oak.
15	4130 - Aspen	High Density Pole	35.0	36			aspen mixed with mature oak and other hardwood.
18	4119 - Mixed Northern Hardwoods	High Density Log	58.4	83	141-170		some areas of steep slopes.
19	4130 - Aspen	High Density Pole	77.9	27			mix of aspen oak and hardwood. sloping terrain.
22	4199 - Other Mixed Upland Deciduous	High Density Sapling	33.5	24			mix of hdwd and aspen. oak residual are log size
23	4119 - Mixed Northern Hardwoods	High Density Log	102.1	85	111-140		some steep slopes. will be able to treat majority of stand. heavy ironwood understory.
27	4199 - Other Mixed Upland Deciduous	High Density Log	33.6	82			very steep slopes prevent treating entire stand. close illegal trails.
28	4119 - Mixed Northern Hardwoods	High Density Log	44.0	87	81-110		thinned in 2008.
30	4131 - Aspen, Oak	High Density Pole	54.7	68			stand is a mix of aspen and oak. heavy to oak in middle of stand. ironwood understory is under oak. white pine regen is on west end. close all illegal trails



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## Atlanta Mgt. Unit

## 5 – Forested Stands

Compartment: 035  
Year of Entry: 2013

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
34	6112 - Lowland Aspen	High Density Pole	21.9	38		
35	4130 - Aspen	High Density Sapling	8.6	16		south part of stand has low ground
37	4131 - Aspen, Oak	High Density Pole	28.9	38		small stand of hdwd along north part of stand. too small to type out.
38	4119 - Mixed Northern Hardwoods	High Density Pole	34.5	62	51-80	low ba's look at thinning in 10 years.
39	6120 - Lowland Cedar	High Density Pole	234.4	96		part of green swamp.
41	4199 - Other Mixed Upland Deciduous	High Density Log	126.4	82	111-140	steep slopes prevent treating entire stand.
42	4130 - Aspen	High Density Pole	18.4	35		stand is a transition zone from lowland swamp to hardwood ridge.
45	4119 - Mixed Northern Hardwoods	High Density Log	240.7	82	111-140	steep slopes prevent treating entire stand. scattered aspen, birch, hemlock. east side of stand has smaller diameters. average ba around 130.
46	4119 - Mixed Northern Hardwoods	High Density Log	29.0	82	81-110	overall ba is 90. 1 ridge that wasn't thinned.
52	4119 - Mixed Northern Hardwoods	High Density Log	79.1	82	81-110	stand was thinned recently. average ba around 90-100.
53	4119 - Mixed Northern Hardwoods	High Density Log	60.6	82	111-140	most of stand was thinned around 30 yrs ago. big diameters, some areas of steep slopes. ba's run from 80 to 130.
54	4110 - Sugar Maple Association	High Density Pole	8.9	44	1-50	appears to be old homestead. footprint of structure still visible. mixture of big wolfy trees and nice regen.
55	4131 - Aspen, Oak	Medium Density Pole	12.5	25		stand is a mix of aspen and hardwood.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	310 - Herbaceous Openland	2.5	N/A	Unspecified	
3	310 - Herbaceous Openland	4.5	N/A	Unspecified	
8	623 - Emergent Wetland	3.9	N/A	Unspecified	
12	310 - Herbaceous Openland	4.3	N/A	Unspecified	
14	310 - Herbaceous Openland	1.1	N/A	Unspecified	
16	310 - Herbaceous Openland	2.5	N/A	Unspecified	
17	310 - Herbaceous Openland	1.4	N/A	Unspecified	
20	310 - Herbaceous Openland	2.2	N/A	Unspecified	
21	310 - Herbaceous Openland	1.3	N/A	Unspecified	
24	310 - Herbaceous Openland	1.2	N/A	Unspecified	
25	310 - Herbaceous Openland	1.0	N/A	Unspecified	
26	310 - Herbaceous Openland	1.4	N/A	Unspecified	
29	310 - Herbaceous Openland	1.1	N/A	Unspecified	
31	310 - Herbaceous Openland	1.2	N/A	Unspecified	
32	310 - Herbaceous Openland	1.4	N/A	Unspecified	
33	320 - Upland Shrub	1.3	N/A	Unspecified	
36	310 - Herbaceous Openland	4.5	N/A	Unspecified	
40	310 - Herbaceous Openland	1.0	N/A	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
43	310 - Herbaceous Openland	1.1	N/A	Unspecified	
44	310 - Herbaceous Openland	1.0	N/A	Unspecified	
47	310 - Herbaceous Openland	1.2	N/A	Unspecified	
48	310 - Herbaceous Openland	3.4	N/A	Unspecified	
49	310 - Herbaceous Openland	1.4	N/A	Unspecified	
50	310 - Herbaceous Openland	2.0	N/A	Unspecified	
51	310 - Herbaceous Openland	1.3	N/A	Unspecified	
56	320 - Upland Shrub	5.2	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

<b>Conservation Area</b>	<b>Type</b>	<b>Description</b>
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.