



**ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 127 ENTRY YEAR: 2013

Compartment Acreage: 1,132 County: Presque Isle

Revision Date: 10/27/2011

Stand Examiner: Cody Stevens

Legal Description: T36N-R3E Sections 25, 36, and T36N-R4E Sections 30 and 31.

RMU (if applicable): Hammond Bay Lake Plain

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 level ground to rolling hills. The center and southern portions of the compartment are low ground dominated by cedar mixed swamps. The dominate cover types for the uplands is a mixture of oak, pine and aspen.

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

The compartment boundary is state land throughout but a large portion of the compartment is bounded by private. The compartment has some recreational use by snowmobiles.

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 providing excellent habitat for black bear, white-tailed deer, snowshoe hare, ruffed grouse, American woodcock, and woodland raptors. One stand is prescribed for opening maintenance and will be planted to food and cover for wildlife values. Treatments in oak will leave scattered oak as a food source for wildlife and will create browse for deer.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 10 and 50 feet. Beneath the glacial drift is the Devonian Dundee Limestone, used for limestone/stone. A limestone quarry is located eleven miles to the southeast. The nearest gravel pit is located adjacent to the compartment to the southeast and there may be potential in Section 36. This area has had no drilling for oil and gas. Oil and gas producing Guelph (Niagaran) reefs are located seven miles to the south. Section 26 is leased for oil and gas development.

Vehicle Access:

This compartment is accessed from three main roads: Lookout Rd, Co Rd 646 and Cheboygan Plains Hwy. 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 hunting, fishing and wildlife viewing in the area, as well as hiking, snowmobiling and ORV riding.

Fire Protection:

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

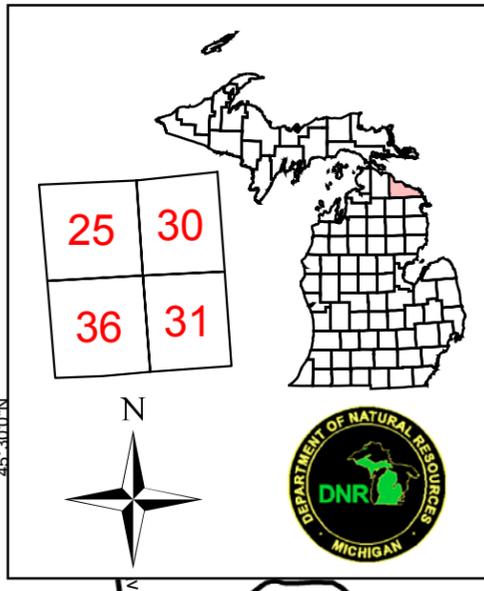
Additional Compartment Information:

- **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 127
 T36N, R03E, Sec. 25, 36
 T36N, R04E, Sec. 30, 31
 County: Presque Isle
 Unit: Atlanta
 YOE: 2013
 Acres: 1,132 GIS Calculated
 Stand Examiner: Cody Stevens
 Map Revised: 8/11/2011
 Map Phase: Pre-Review



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

Legend

- Highway
- Paved Roads
- - - County Gravel Roads
- = = = Gravel Roads
- - - Poor Dirt Roads
- - - Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Snowmobile Trails
- Snowmobile Trail
- State Forest Land

Forest Stands

Level 3

- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

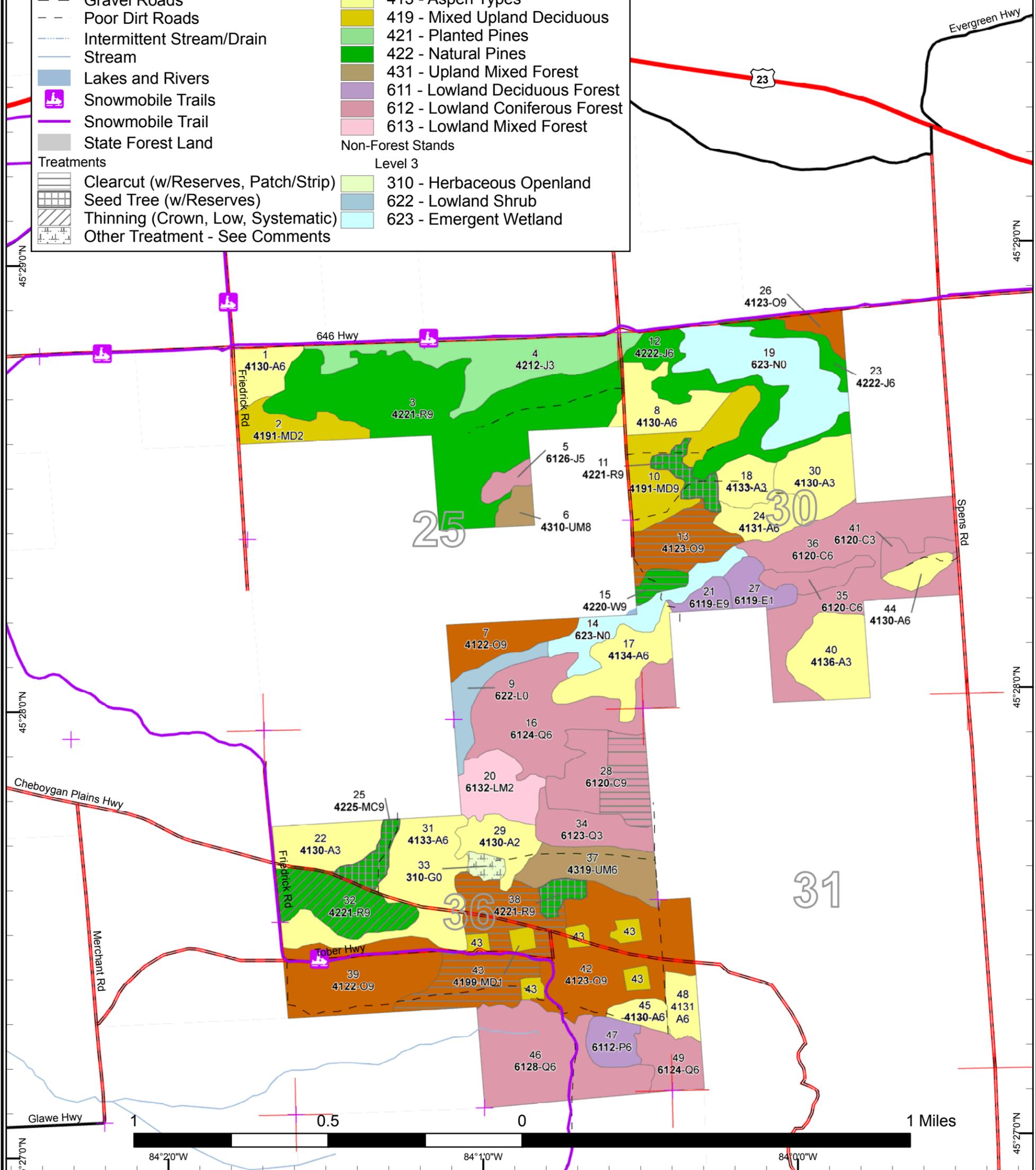
Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland

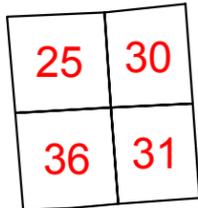
Treatments

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



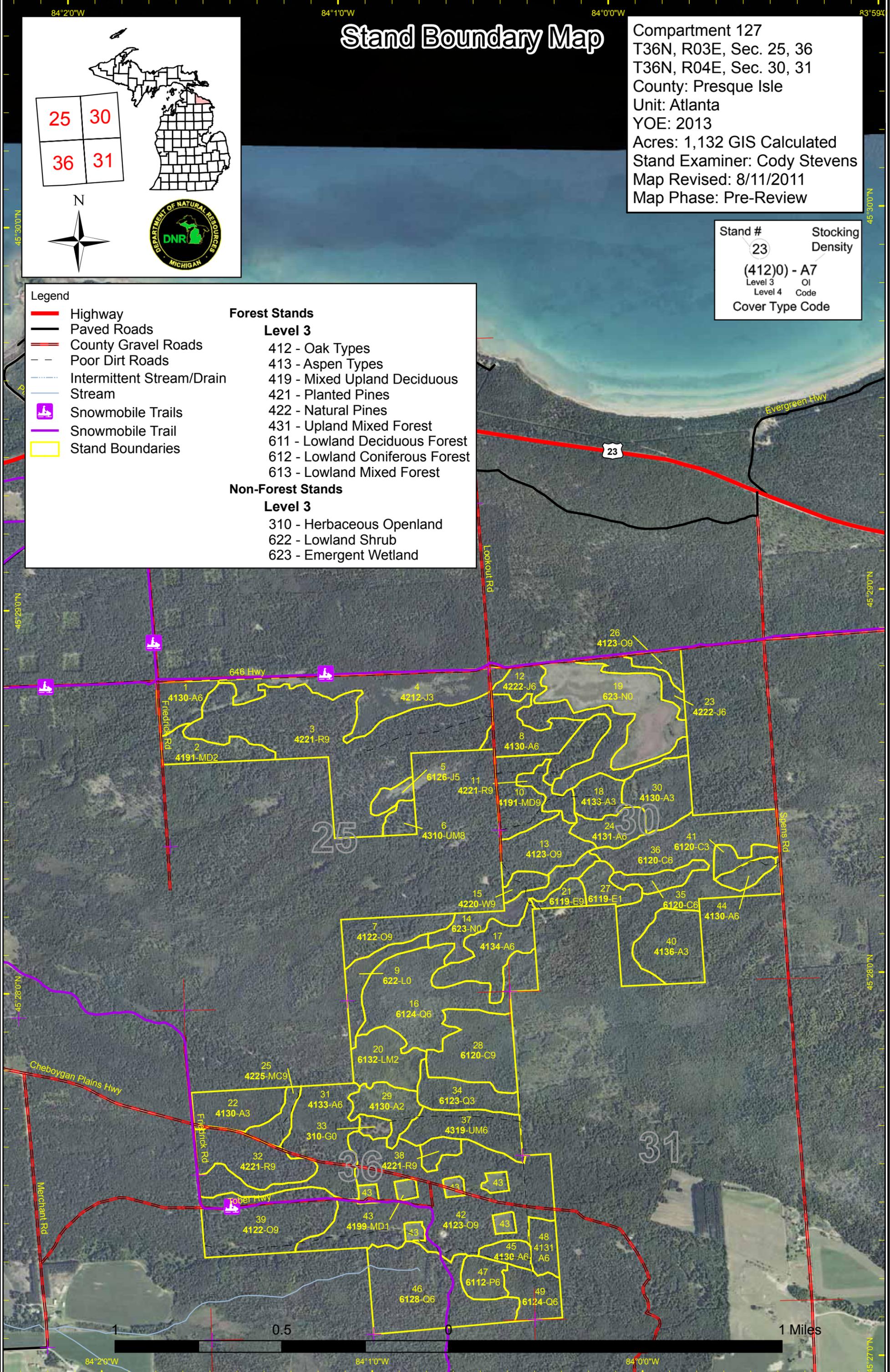
Stand Boundary Map

Compartment 127
 T36N, R03E, Sec. 25, 36
 T36N, R04E, Sec. 30, 31
 County: Presque Isle
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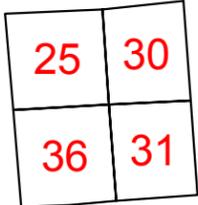
Stand # 23
 Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
 Cover Type Code

- Legend**
- Highway
 - Paved Roads
 - - - County Gravel Roads
 - - - Poor Dirt Roads
 - - - Intermittent Stream/Drain
 - Stream
 - Snowmobile Trails
 - Snowmobile Trail
 - Stand Boundaries
- Forest Stands**
- Level 3**
- 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 431 - Upland Mixed Forest
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 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3**
- 310 - Herbaceous Openland
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland



Dedicated & Proposed Special Conservation Area Map

Compartment 127
 T36N, R03E, Sec. 25, 36
 T36N, R04E, Sec. 30, 31
 County: Presque Isle
 Unit: Atlanta
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 Map Revised: 8/11/2011
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Stand #	Stocking Density
23	
(412)0 - A7	
Level 3	OI
Level 4	Code
Cover Type Code	

Legend

- Miris Corners
- Remonumented Section Corners
- Special Conservation Areas
- Cold Water Streams
- Stand Boundaries

Forest Stands

Level 3

- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland

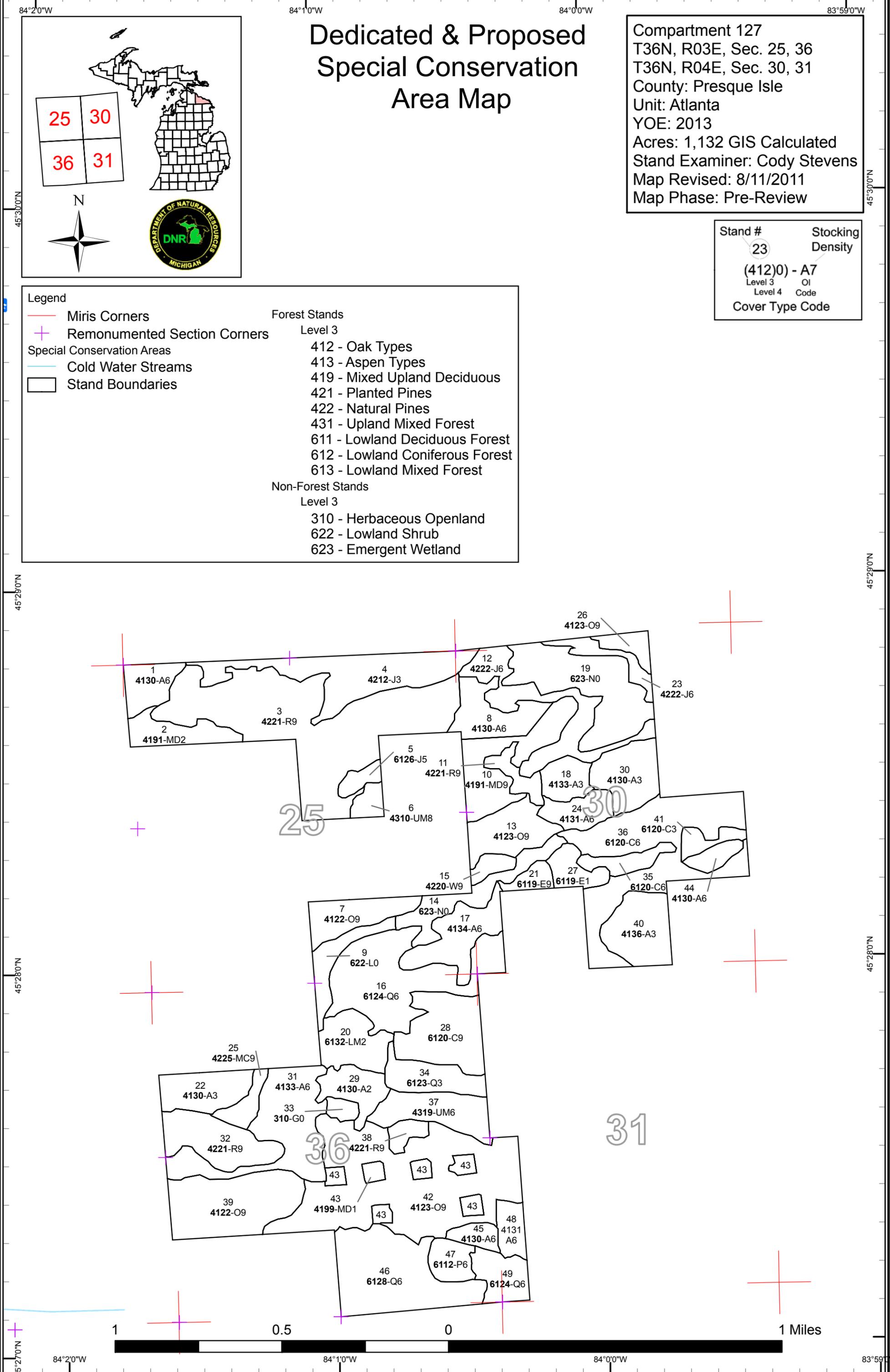
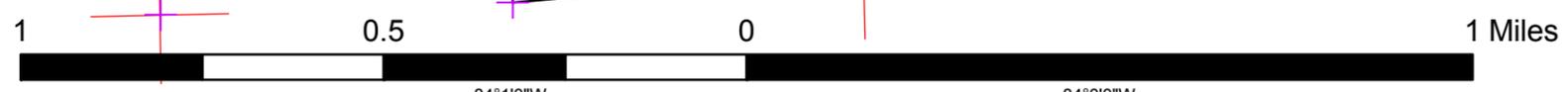
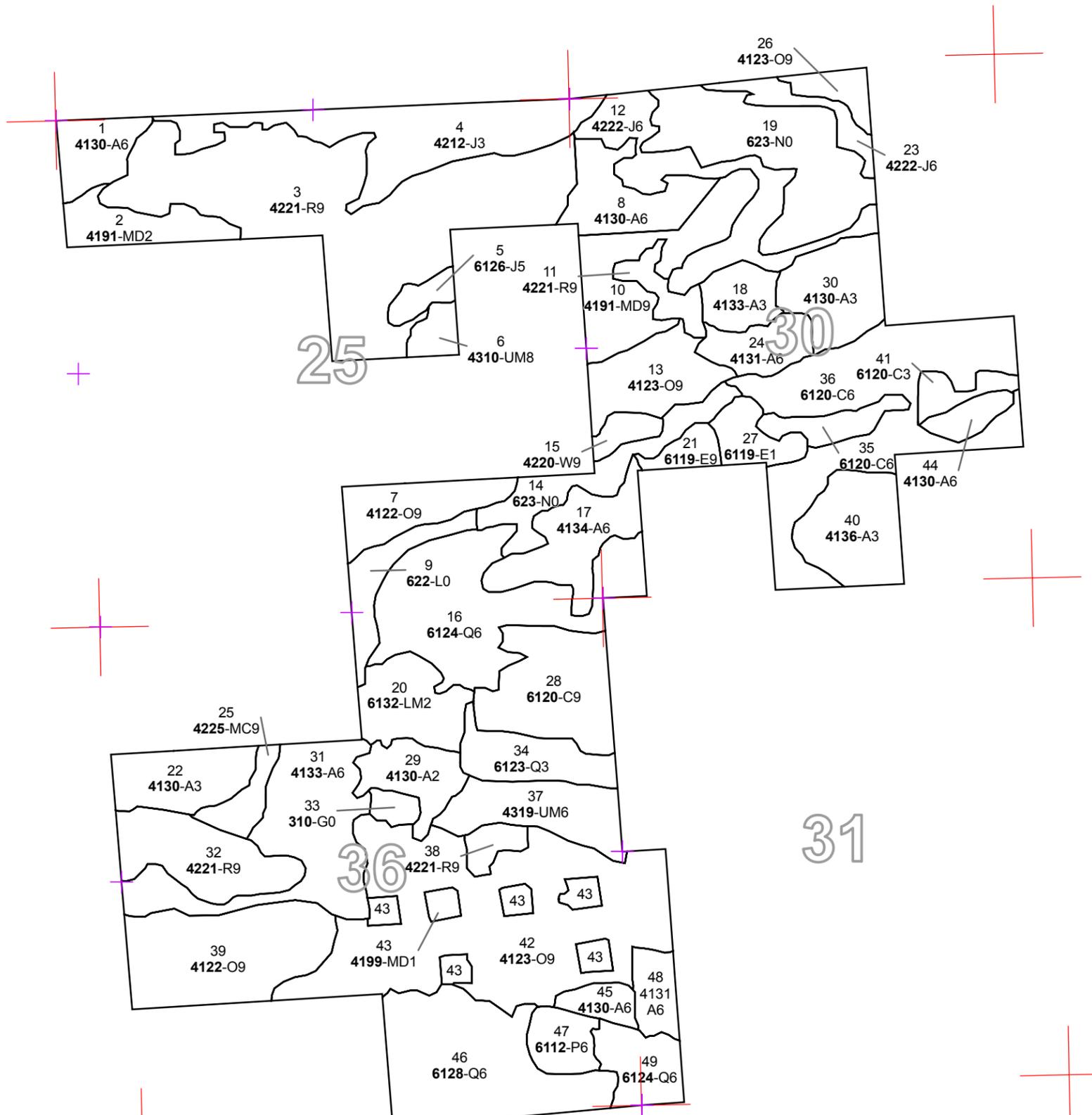


Table 1 – Total Acres by Cover Type and Age Class



	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 +		Unretn Age
Aspen	0	0	14	156	35	18	0	0	0	0	0	0	0	0	0	224
Cedar	0	0	0	0	6	0	0	0	0	76	32	0	0	0	0	114
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Jack Pine	0	0	44	0	45	0	0	0	0	0	0	0	0	0	0	89
Lowland Aspen/Balsam Poplar	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	10
Lowland Conifers	0	0	0	17	14	0	0	0	0	0	107	0	0	0	0	137
Lowland Deciduous	0	0	0	0	0	0	0	10	0	6	0	0	0	0	0	15
Lowland Mixed Forest	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	20
Lowland Shrub	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Marsh	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
Mixed Upland Deciduous	0	13	15	0	0	0	0	0	0	30	0	0	0	0	0	58
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	7
Oak	0	0	0	0	0	0	0	0	0	174	18	0	0	0	0	192
Red Pine	0	0	0	0	0	0	0	0	8	145	0	0	0	0	0	153
Upland Mixed Forest	0	0	0	22	0	0	0	0	0	5	0	0	0	0	0	28
White Pine	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5
Total	80	13	93	195	110	18	0	10	8	448	157	0	0	0	0	1132



Table 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2013

Compartment 127
Total Compartment Acres: 1132

Acres by Treatment Type

Commercial Harvest - 136	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 4	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Cedar	16	0	0	0	0	0	16
Natural Mixed Pines	0	0	7	0	0	0	7
Oak	68	0	0	0	0	0	68
Red Pine	0	0	13	0	26	0	39
White Pine	5	0	0	0	0	0	5
Total	89	0	20	0	26	0	136



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
11	127011-Seed	7.6	42210 - Natural Red Pine	High Density Log	77	Harvest	Seed Tree with Reserves	42210 - Natural Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Seed Tree Cut. Leave up to 10-20 BA of Red & White Pine and a few oak. <u>Specs:</u> <u>Other</u> Acceptable regen is any mix of pine, oak or aspen. Seed trees will not likely be removed after regen is established. <u>Comments:</u> <u>Next</u> Follow up with Regen Survey. <u>Steps:</u>									
13	127013-C.Cut	21.0	4123 - Red Oak	High Density Log	82	Harvest	Clearcut with Reserves	4123 - Red Oak	Cmpt. Review Proposal
<u>Prescription</u> Clear Cut: leave up to 1-3 oak and pine per acre. <u>Specs:</u> <u>Other</u> Acceptable regen is any mix of oak, pine, aspen or maple. <u>Comments:</u> <u>Next</u> Follow up with regen survey. <u>Steps:</u>									
15	127015-C.Cut	4.8	42200 - Natural White Pine	High Density Log	89	Harvest	Clearcut with Reserves	42200 - Natural White Pine	Cmpt. Review Proposal
<u>Prescription</u> Clear Cut: leave up to 1-3 pine and oak per acre. These will act as both seed source and vertical structure. <u>Specs:</u> <u>Other</u> Acceptable regen is any mix of pine, oak and aspen. <u>Comments:</u> <u>Next</u> Regen Survey <u>Steps:</u>									
25	127025-Seed	7.3	42250 - Pine, Oak	High Density Log	81	Harvest	Seed Tree with Reserves	42250 - Pine, Oak	Cmpt. Review Proposal
<u>Prescription</u> Seed Tree Cut: leave up to 10-20 BA of pine and oak. <u>Specs:</u> <u>Other</u> Residual seed trees will be left indefinitely. Acceptable regen is any mix of pine, oak and aspen. <u>Comments:</u> <u>Next</u> regen survey. <u>Steps:</u>									
28	127028-C.Cut	16.4	6120 - Lowland Cedar	High Density Log	94	Harvest	Clearcut with Reserves	6120 - Lowland Cedar	Cmpt. Review Proposal
<u>Prescription</u> Clear cut: Leave 3-5 cedar per acre for seed source. Cutting east 1/2 of stand. <u>Specs:</u> <u>Other</u> Acceptable regen is any mixture of cedar, mixed conifers and aspen. Cedar Regen may take up to 5 yrs or more to establish but adjacent stands <u>Comments:</u> have a large amount of cedar regen present. <u>Next</u> Monitor success of cedar regen, and look at future cuts in area next entry. <u>Steps:</u>									



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
32	127032-Thin	26.2	42210 - Natural Red Pine	High Density Log	81	Harvest	Crown Thinning	42210 - Natural Red Pine	Cmpt. Review Proposal

Prescription Thin to 80 BA. Trail runs down west edge of stand, protect with standard specs during harvest.

Specs:

Other

Comments:

Next Look at burning next entry to remove red maple stems and create good seed bed for pine.

Steps:

38	127038-Seed	5.2	42210 - Natural Red Pine	High Density Log	85	Harvest	Seed Tree with Reserves	42210 - Natural Red Pine	Cmpt. Review Proposal
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Prescription Seed Tree Cut: leave up to 10-20 BA of pine and oak for seed source.

Specs:

Other

Acceptable regen is any mix of pine, oak and aspen. Residual seed trees will be left indefinitely.

Comments:

Next Regen Survey.

Steps:

42	127042-C.Cut	47.1	4123 - Red Oak	High Density Log	86	Harvest	Clearcut with Reserves	4123 - Red Oak	Cmpt. Review Proposal
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Prescription Clear Cut: leave up to 1-3 pine and oak per acre. Snowmobile trail runs through stand, use standard specs to protect trail during harvest.

Specs:

Other

Leaving 1/2 of stand for age class diversity.

Comments:

Next Regen survey.

Steps:

33	NF_54127033- NonFor	3.6	Non-Forested		0	Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription Maintain as opening through planting to food and cover crops for wildlife

Specs:

Other

Comments:

Next Monitor for cover type and perform opening maintenance on 5-10 year rotation or shorter

Steps:

**Total Treatment
Acreage Proposed: 139.1**

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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
Comment:

Next
Steps:

Limiting Factor and No
Treatment Reason

Total Treatment
Acreage Proposed: 0

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 127
Year of Entry: 2013

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	High Density Pole	12.8	27		New stand added. small drainage runs through stand.
2	4191 - Mixed Upland Deciduous with Conifer	Medium Density	14.6	18		young mixed stand.
3	42210 - Natural Red Pine	High Density Log	113.9	80	81-110	stand was thinned in 2007. look at final harvest in 10 yrs.
4	42120 - Planted Jack Pine	High Density Sapling	44.1	17		stand has some areas of sparse regen. because it was too wet to plant. those areas are filling in with natural regen.
5	6126 - Lowland Jack Pine	Medium Density Pole	4.9	35		Stand swapped from Non-Forested to Forested. stand is mix of ages. old marsh filling in.
6	4310 - Pine, Oak Mix	Medium Density Log	5.4	88		New stand added. stand was thinned in 2007.
7	4122 - Oak, Pine	High Density Log	18.0	98		oak, aspen and pine mix
8	4130 - Aspen	High Density Pole	20.1	36		New stand added. small diameters for age.
10	4191 - Mixed Upland Deciduous with Conifer	High Density Log	29.6	80		stand was thinned in 1993. now it is a mix of mature oak and pine with young aspen and pine.
11	42210 - Natural Red Pine	High Density Log	7.6	77	81-110	New stand added. stand was species thinned in past 20 yrs.
12	42220 - Natural Jack Pine	High Density Pole	32.3	32		natural pine along edge of wet meadow.
13	4123 - Red Oak	High Density Log	21.0	82	81-110	poor quality oak, some areas of aspen regen.
15	42200 - Natural White Pine	High Density Log	4.8	89	111-140	scattered oak and cedar.
16	6124 - Lowland Spruce-Fir	High Density Pole	55.5	92		wet
17	4134 - Aspen, Spruce/Fir	High Density Pole	23.3	20		good mix of species along edge, including cedar regen.
18	4133 - Aspen, Mixed Pine	High Density Sapling	10.8	28		New stand added.
20	6132 - Mixed Lowland Forest with Cedar	Medium Density	19.6	15		
21	6119 - Mixed Lowland Deciduous Forest	High Density Log	5.6	83		New stand added. stand is upland on west end and slopes into low ground.

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 127
Year of Entry: 2013

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4130 - Aspen	High Density Sapling	19.0	24		aspen with scztered mixed pine
42220 - Natural Jack Pine	High Density Pole	8.2	35		New stand added. stand around marsh .
4131 - Aspen, Oak	High Density Pole	12.0	41		New stand added.
42250 - Pine, Oak	High Density Log	7.3	81		
4123 - Red Oak	High Density Log	6.6	82	81-110	stand was thinned in 2008.
6119 - Mixed Lowland Deciduous Forest	Low Density Sapling	9.6	60		wet, scattered cedar
6120 - Lowland Cedar	High Density Log	31.9	94		nice cedar.
4130 - Aspen	Medium Density	14.3	15		New stand added.
4130 - Aspen	High Density Sapling	21.5	25		scattered jack pine and mature oak.
4133 - Aspen, Mixed Pine	High Density Pole	44.7	24		
42210 - Natural Red Pine	High Density Log	26.2	81	111-140	
6123 - Lowland Fir	High Density Sapling	16.6	28		
6120 - Lowland Cedar	High Density Pole	8.3	88		better quality than surrounding stand. little higher elevation.
6120 - Lowland Cedar	High Density Pole	68.0	88		pretty wet. good cedar regen.
4319 - Mixed Upland Forest	High Density Pole	22.4	28		mix of species
42210 - Natural Red Pine	High Density Log	5.2	85	111-140	
4122 - Oak, Pine	High Density Log	43.0	85	81-110	stand was thinned in 2008
4136 - Aspen, Mixed Conifer	High Density Sapling	24.3	25		didn't see entire stand.

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 127
Year of Entry: 2013

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	6120 - Lowland Cedar	High Density Sapling	6.2	37		
42	4123 - Red Oak	High Density Log	103.8	86	81-110	snowmobile trail runs through stand.
43	4199 - Other Mixed Upland Deciduous	Low Density Sapling	13.5	3		5 spot cut done in 2008. each spot has some variability.
44	4130 - Aspen	High Density Pole	6.1	42		some scattered oak.
45	4130 - Aspen	High Density Pole	6.1	33		
46	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	51.4	90		wet, stand has two small strip cuts. both have good amount of cedar regen.
47	6112 - Lowland Aspen	High Density Pole	9.8	35		New stand added.
48	4131 - Aspen, Oak	High Density Pole	8.6	34		older oak and young aspen
49	6124 - Lowland Spruce- Fir	High Density Pole	14.0	35		good mix of species with cedar regen.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
9	622 - Lowland Shrub	12.1	N/A	Unspecified	
14	623 - Emergent Wetland	19.5	N/A	Unspecified	
19	623 - Emergent Wetland	45.0	N/A	Unspecified	
33	310 - Herbaceous Openland	3.6	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
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