



ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION
COMPARTMENT 143 ENTRY YEAR: 2013

Compartment Acreage: 1667 County: Presque Isle

Revision Date: October 27, 2011

Stand Examiner: Jeff Autenrieth

Legal Description: T35N, R02E, Sec. 1, 2, &3

RMU (if applicable):

Management Goals: This compartment has been managed to produce good quality red pine saw logs.

Soil and Topography: Gravely phase sands and organic mucks. Area is typically flat with a high water table.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Most of the surrounding land is owned by the state. There may be a few residences and a few seasonal recreational properties.

Unique, Natural Features (include only non-site specific and non-sensitive information): There have been reports from MNFI.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None Reported.

Special Management Designations or Considerations: None.

Watershed and Fisheries Considerations: Cold Creek and one unnamed small stream flow through the NE corner of Section 1.

Wildlife Habitat Considerations: This compartment consists of balsam poplar with some lowland hardwoods, swamp conifers, and northern hardwood-aspen mix on the east and north sides, and primarily red pine on the western portions. This habitat supports white-tailed deer, snowshoe hare, ruffed grouse, and woodcock. There is potential for Blanding's turtle and eastern Massasauga rattlesnake as well as red-shouldered hawk and goshawk. Several openings have succeeded to upland brush or forested areas. The remaining openings will be maintained in food and cover plantings for wildlife benefits.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel. Glacial drift thickness varies between 0 and 10 feet. There is a minimal relief within the compartment. Beneath the Glacial Drift is The Devonian Dundee Limestone, quarried for limestone/stone fifteen miles to the east. The nearest gravel pits are located two miles away. There may be

some gravel potential in the compartment. This area has had no drilling for oil and gas. Oil and gas producing Niagaran reefs are located twelve miles to the southwest. 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: None. Surveying will be required to prove trespass for timber sale preparation.

Recreational Facilities and Opportunities: An ORV route and the Black Mountain snowmobile trail run on the north side of the compartment.

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**

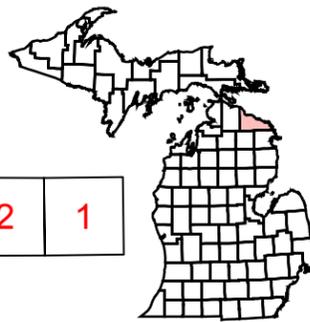
- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **Suggested potential old growth**

Stand Boundary Map

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

Compartment 143
 T35N, R02E, Sec. 1, 2, 3
 County: Presque Isle
 Unit: Atlanta
 YOE: 2013
 Acres: 1,638 GIS Calculated
 Stand Examiner: Jeff Autenrieth
 Map Revised: 7/12/2011
 Map Phase: Pre-Review

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Legend

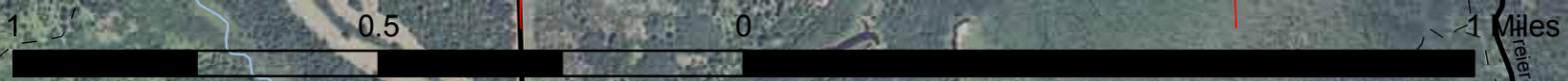
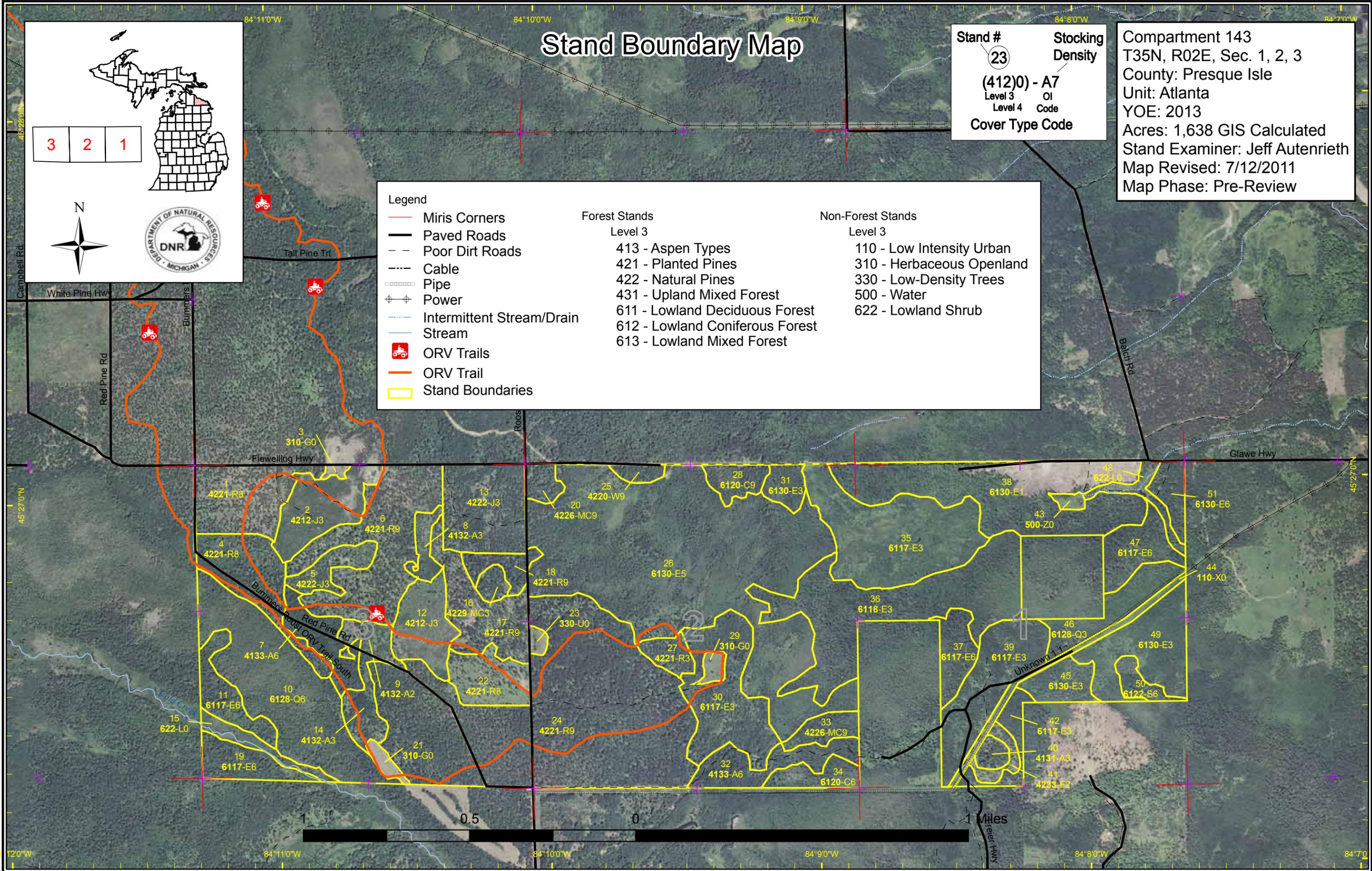
- Miris Corners
- Paved Roads
- Poor Dirt Roads
- Cable
- Pipe
- + Power
- Intermittent Stream/Drain
- Stream
- 🛵 ORV Trails
- 🛵 ORV Trail
- Stand Boundaries

Forest Stands

- Level 3
- 413 - Aspen Types
 - 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
- 110 - Low Intensity Urban
 - 310 - Herbaceous Openland
 - 330 - Low-Density Trees
 - 500 - Water
 - 622 - Lowland Shrub



Cover Type & Treatment Map

Legend

- Miris Corners
- Paved Roads
- Poor Dirt Roads
- Intermittent Stream/Drain
- Stream
- Pipe
- Power
- Lakes and Rivers
- ORV Trails
- ORV Trail
- State Forest Land

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Prescribed Burn
- Other Treatment - See Comments

Forest Stands

Level 3

- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub

Stand #
23

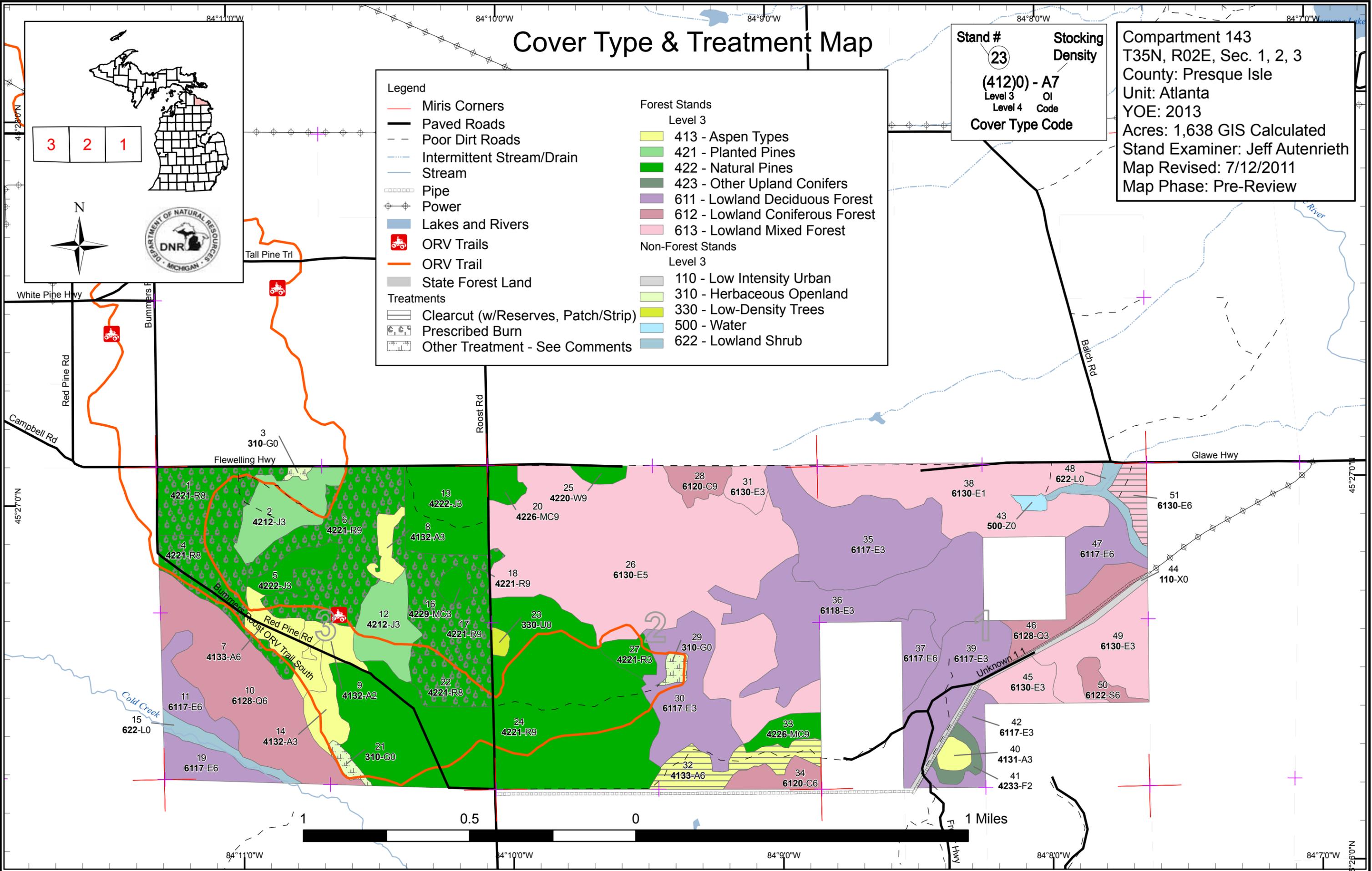
Stocking Density
OI

Level 3
Level 4

Code
A7

Cover Type Code

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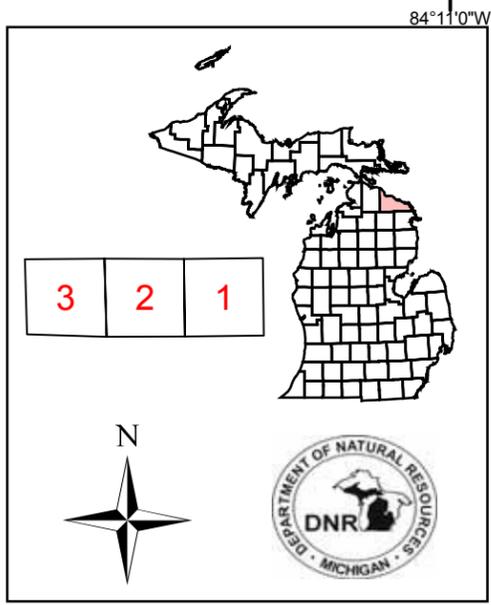


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DEPARTMENT OF NATURAL RESOURCES
MICHIGAN

Dedicated & Proposed Special Conservation Area Map



Legend

- Miris Corners
- + Remonumented Section Corners
- Stand Boundaries

Forest Stands

Level 3

- 413 - Aspen Types
- 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

- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
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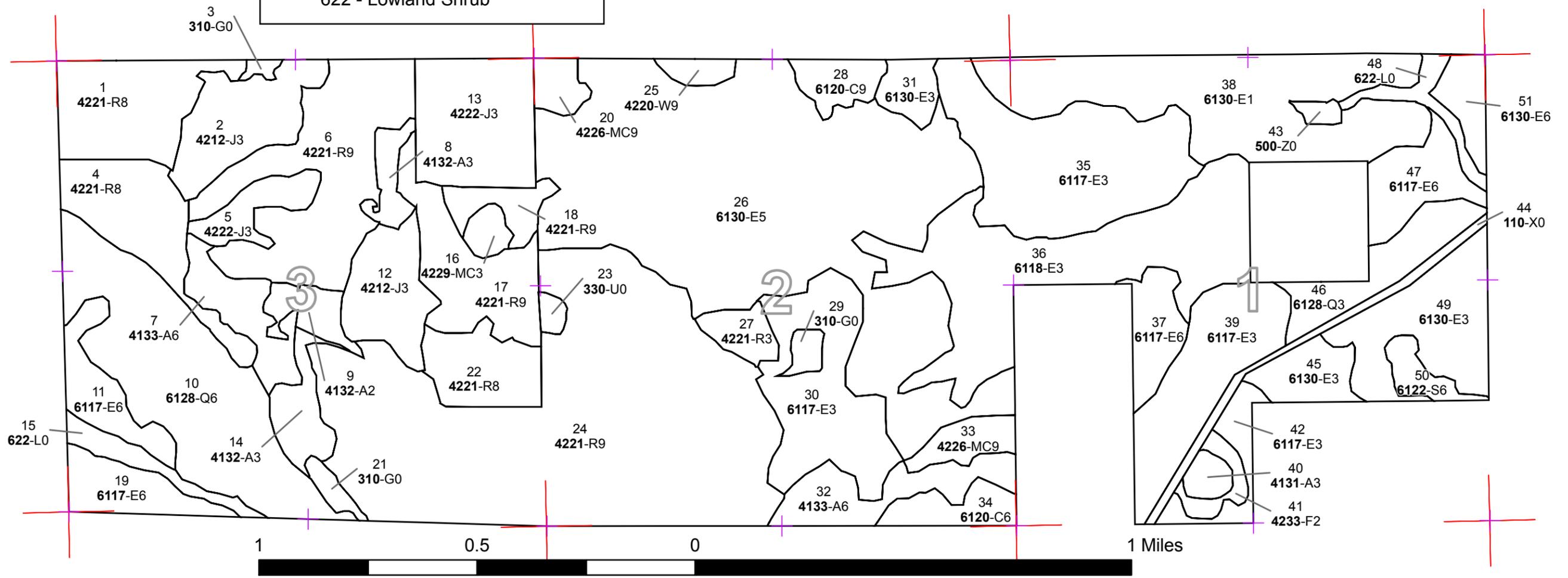
Stand #
23

Stocking Density
(412)0 - A7

Level 3
Level 4

Cover Type Code
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Compartment 143
T35N, R02E, Sec. 1, 2, 3
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	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	0	37	0	19	0	0	25	0	0	0	0	0	0	81
Cedar	0	0	0	0	0	0	0	0	12	0	0	11	0	0	0	23
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Jack Pine	0	0	58	13	42	0	0	0	0	0	0	0	0	0	0	113
Low-Density Trees	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	0	0	0	0	23	0	0	0	0	90	0	0	0	113
Lowland Deciduous	0	0	75	106	0	94	21	0	16	18	18	0	0	0	0	347
Lowland Mixed Forest	0	93	15	0	0	42	0	0	9	265	0	0	0	0	0	423
Lowland Shrub	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Lowland Spruce/Fir	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Natural Mixed Pines	0	0	0	0	5	0	0	10	0	7	0	0	0	0	0	23
Red Pine	0	0	0	9	0	0	0	0	73	371	0	0	0	0	0	453
Upland Spruce/Fir	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
White Pine	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
Total	44	93	148	171	47	155	52	10	139	661	18	101	0	0	0	1638



Table 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2013

Compartment 143
Total Compartment Acres: 1638

Acres by Treatment Type

Commercial Harvest - 35	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 212	Other - 0
Habitat Cut - 0	Opening Maintenance - 9	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	25	0	0	0	0	0	0	25
Lowland Mixed Forest	11	0	0	0	0	0	0	11
Total	35	0	0	0	0	0	0	35



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
32	54143032-Cut	24.5	4133 - Aspen, Mixed Pine	High Density Pole	77	Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all aspen, red maple, and red pine. Leave some legacy white and red pine trees.									
<u>Specs:</u>									
<u>Other</u> Acceptable regen can be of mixed conifer and aspen.									
<u>Comments:</u>									
<u>Next</u> <u>Steps:</u>									
51	54143051-Cut	10.5	4319 - Mixed Upland Forest	High Density Pole	80	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<u>Prescription</u> Cut all balsam fir, aspen, red maple, birch, and red pine.									
<u>Specs:</u>									
<u>Other</u> Acceptable regen can be of mixed conifer and aspen.									
<u>Comments:</u>									
<u>Next</u> <u>Steps:</u>									
1	54143001- Burn	38.4	42210 - Natural Red Pine	Medium Density Log	75	Prescribed Burn	Unspecified	42210 - Natural Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Burn stand to kill off red maple regeneration and scarify seed bed.									
<u>Specs:</u>									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u> <u>Steps:</u>									
4	54143004- Burn	35.0	42210 - Natural Red Pine	Medium Density Log	75	Prescribed Burn	Unspecified	42210 - Natural Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Burn stand to kill off red maple regeneration and scarify seed bed.									
<u>Specs:</u>									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u> <u>Steps:</u>									
6	54143006- Burn	69.8	42210 - Natural Red Pine	High Density Log	87	Prescribed Burn	Unspecified	42210 - Natural Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Burn stand to kill off red maple regeneration and scarify seed bed.									
<u>Specs:</u>									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u> <u>Steps:</u>									
17	54143017- Burn	35.9	42210 - Natural Red Pine	High Density Log	88	Prescribed Burn	Unspecified	42210 - Natural Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Burn stand to kill off red maple regeneration and scarify seed bed.									
<u>Specs:</u>									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u> <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
18	54143018- Burn	10.5	42210 - Natural Red Pine	High Density Log	89	Prescribed Burn	Unspecified	42210 - Natural Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Burn stand to kill off red maple regeneration and scarify seed bed.									
<u>Specs:</u>									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u>									
<u>Steps:</u>									
22	54143022- Burn	22.5	42210 - Natural Red Pine	Medium Density Log	88	Prescribed Burn	Unspecified	42210 - Natural Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Burn stand to kill off red maple regeneration and scarify seed bed.									
<u>Specs:</u>									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u>									
<u>Steps:</u>									
3	NF_54143003- NonFor	1.6	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>									
<u>Comments:</u>									
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation or shorter									
<u>Steps:</u>									
21	NF_54143021- NonFor	3.9	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>									
<u>Comments:</u>									
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation									
<u>Steps:</u>									
29	NF_54143029- NonFor	3.8	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>									
<u>Comments:</u>									
<u>Next</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation or shorter									
<u>Steps:</u>									
Total Treatment Acreage Proposed: 256.5									

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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**

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2013



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:

**Total Treatment
Acreage Proposed: 0**

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 143
Year of Entry: 2013

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42210 - Natural Red Pine	Medium Density Log	38.4	75	51-80	Recent harvest, trees left have a lot of doubles and crook. At least half of the trees are doubles.
2	42120 - Planted Jack Pine	High Density Sapling	31.8	17		
4	42210 - Natural Red Pine	Medium Density Log	35.0	75	51-80	Ba for red pine only. Advanced regen could be damaged by a harvest.
5	42220 - Natural Jack Pine	High Density Sapling	12.9	27		
6	42210 - Natural Red Pine	High Density Log	69.8	87	81-110	recently thinned
7	4133 - Aspen, Mixed Pine	High Density Pole	19.5	40		
8	4132 - Aspen, Jack Pine	High Density Sapling	8.1	20		
9	4132 - Aspen, Jack Pine	Medium Density	10.0	25		
10	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	90.0	105		Pockets of blow down throughout stand. Lots of thick balsam fir regen in pockets.
11	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	18.0	85		Blocked from the north by steep drop-off, and to the south by Cold Creek.
12	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	26.2	14		
13	42220 - Natural Jack Pine	High Density Sapling	42.2	39		
14	4132 - Aspen, Jack Pine	High Density Sapling	13.7	27		
16	42290 - Natural Mixed Pine	High Density Sapling	5.2	30		
17	42210 - Natural Red Pine	High Density Log	35.9	88	81-110	No harvest due to surrounding stands being cut.
18	42210 - Natural Red Pine	High Density Log	10.5	89	81-110	New stand added.
19	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	17.7	95		Very wet.

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 143
Year of Entry: 2013

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42260 - Natural Pine, Mixed Deciduous	High Density Log	7.2	88		
42210 - Natural Red Pine	Medium Density Log	22.5	88	1-50	Stand harvested as RPP.
42210 - Natural Red Pine	High Density Log	232.2	88	81-110	current sale rpp will be cut soon
42200 - Natural White Pine	High Density Log	4.8	70		Small acreage.
6130 - Fir, Aspen, Maple	Medium Density Pole	254.2	80		
42210 - Natural Red Pine	High Density Sapling	8.7	26		
6120 - Lowland Cedar	High Density Log	10.6	105		New stand added.
6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	51.0	25	81-110	
6130 - Fir, Aspen, Maple	High Density Sapling	9.0	79		Very wet.
4133 - Aspen, Mixed Pine	High Density Pole	24.5	77		
42260 - Natural Pine, Mixed Deciduous	High Density Log	10.3	68		Cutting 250 acres +/- of red pine in this compartment this year. Save for next entry.
6120 - Lowland Cedar	High Density Pole	12.1	79		blowdown present
6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	75.1	15		
6118 - Lowland Deciduous with Cedar	High Density Sapling	93.9	40		Very wet.
6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	15.5	76		
6130 - Fir, Aspen, Maple	Low Density Sapling	93.3	1		Stand cut in 2010/2011.
6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	44.2	25		

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 143
Year of Entry: 2013

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
40	4131 - Aspen, Oak	High Density Sapling	5.1	25		
41	42330 - Upland Fir	Medium Density	6.1	25		
42	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	10.8	25		
45	6130 - Fir, Aspen, Maple	High Density Sapling	14.5	13		Very wet.
46	6128 - Lowland Coniferous, Mixed Deciduous	High Density Sapling	23.1	50		Very wet.
47	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	21.1	51		Very wet. Ground looks to be saturated most of the year. Flowing water in some areas.
49	6130 - Fir, Aspen, Maple	High Density Sapling	41.6	40		Very wet.
50	6122 - Black Spruce	High Density Pole	7.6	50		
51	6130 - Fir, Aspen, Maple	High Density Pole	10.5	80		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	3102 - Grass	1.6	No	Unspecified	
15	6220 - Alder/willow	9.7	No	Unspecified	
21	3102 - Grass	3.9	No	Unspecified	
23	3302 - Low Density Conifer Trees	2.6	No	Unspecified	Old landing site.
29	3102 - Grass	3.8	No	Unspecified	
43	50 - Water	2.6	No	Unspecified	
44	11 - Low Intensity Urban	10.4	No	Unspecified	Powerline
48	6220 - Alder/willow	8.8	No	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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