

ATLANTA FOREST MANAGEMENT UNIT

COMPARTMENT REVIEW PRESENTATION

COMPARTMENT 128 ENTRY YEAR: 2012

Compartment Acreage: 1676 County: Presque Isle

Revision Date: October 26, 2010

Stand Examiner: Barber

Legal Description: T33N, R4E, Sec. 20, 21, 28, 29, 32, & 33

RMU (if applicable): Thunder Bay Outwash

Management Goals: Regenerate oak.

Soil and Topography: Habitat types dominated by PArVHa, with some PArVVb. Often hilly.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Nearby lands are mostly other state land and hunting lands.

Unique, Natural Features (include only non-site specific and non-sensitive information): None reported.

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: This compartment is a mix of aspen and oak with pine and intermittent lowland swamps. Past management has created large, mast producing trees and good food sources for deer,

elk, and turkey while lowlands offer cover for these and other wildlife species. The compartment is outside of the core elk range but currently used by elk year-round. This area was historically prone to fire, which could be reintroduced into the system to mimic natural processes.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 50 and 200 feet. Beneath the glacial drift is the Devonian Traverse Limestone, used for limestone/stone. The nearest gravel pit is located within one mile to the south and potential is considered to be good. This area has had no drilling for oil and gas. Oil and gas potential is limited at this time. None of the State land is leased for oil and gas development.

Vehicle Access: Excellent, but there are so many roads that one easily becomes lost.

Survey Needs: None. Surveying will be required to prove trespass for timber sale preparation.

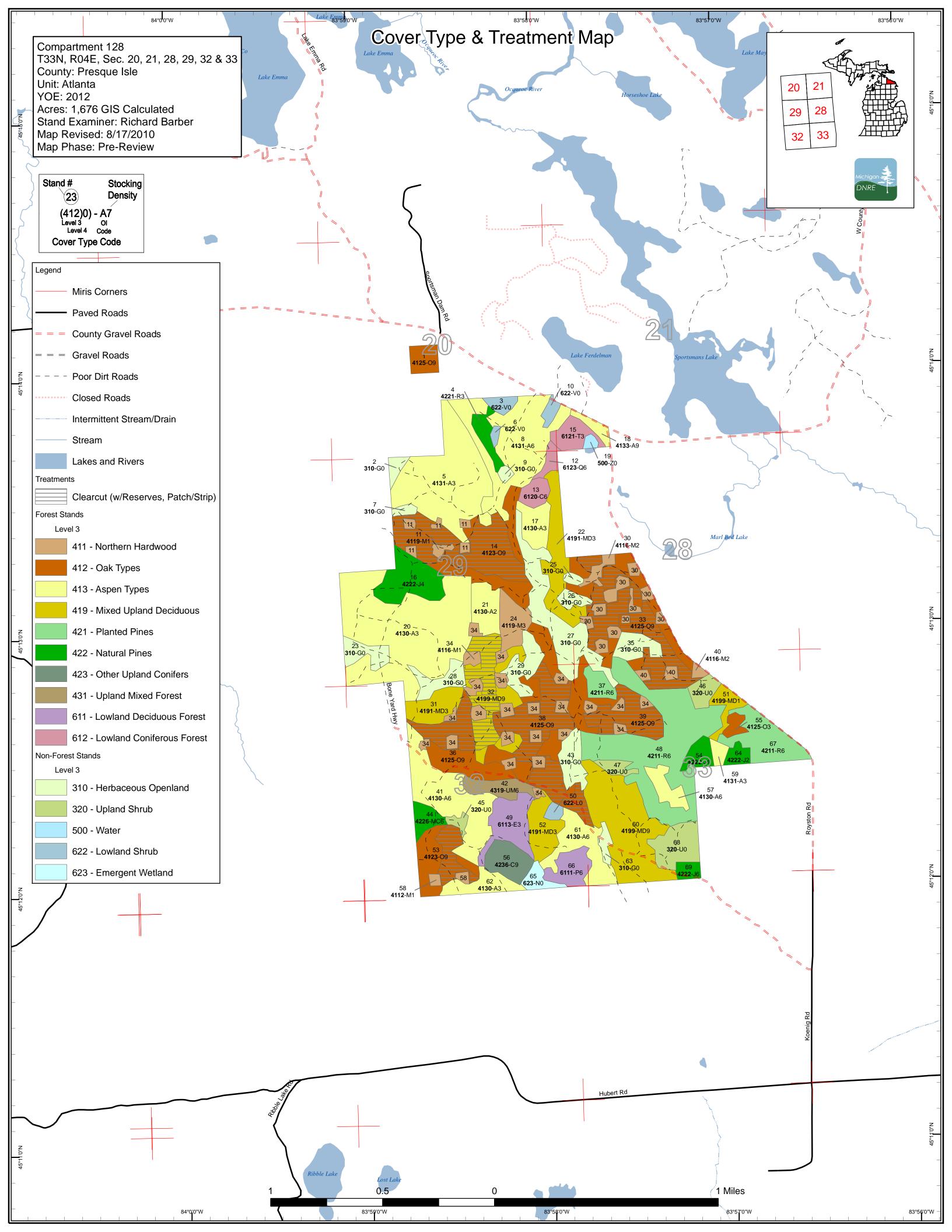
Recreational Facilities and Opportunities: Hunting is the primary activity here.

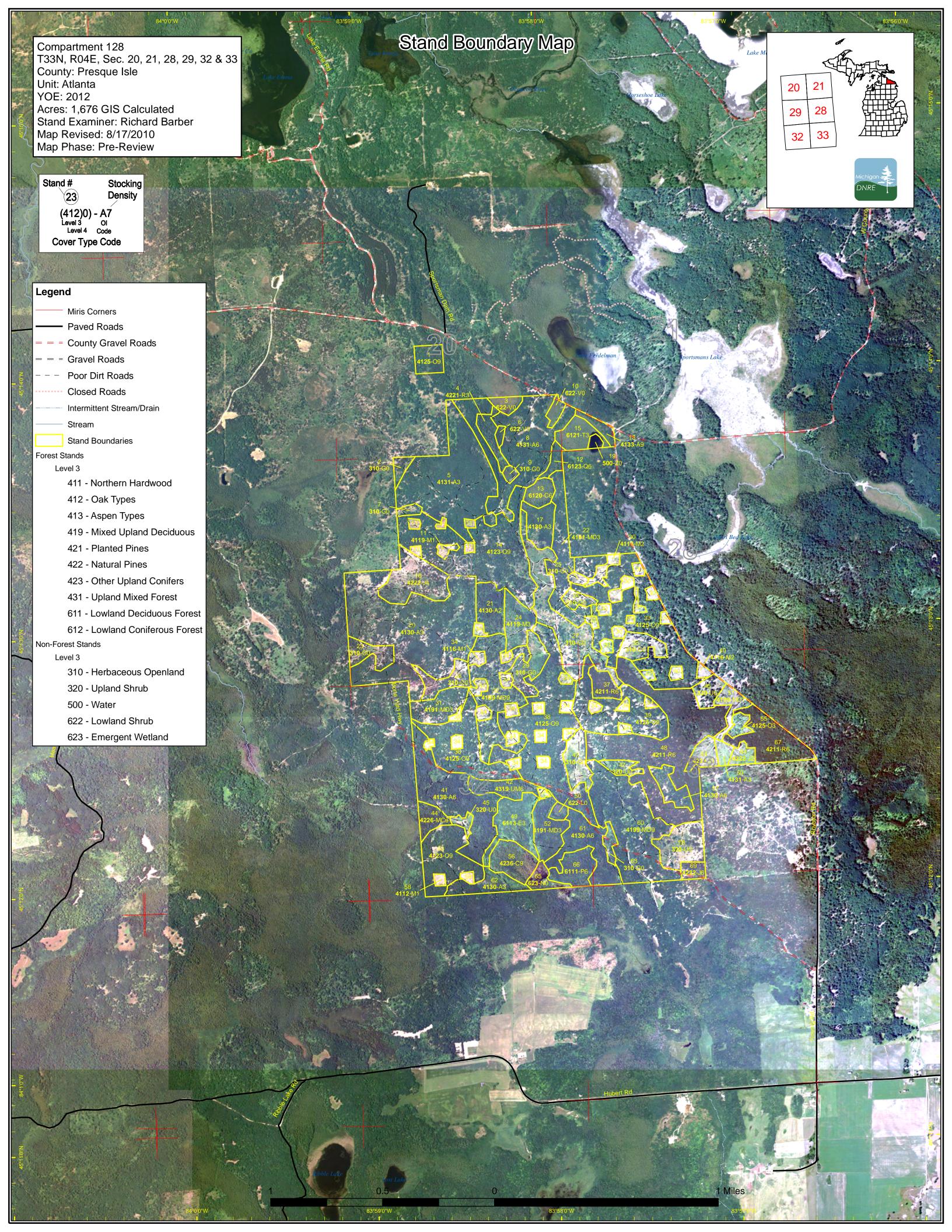
Fire Protection: Adequate.

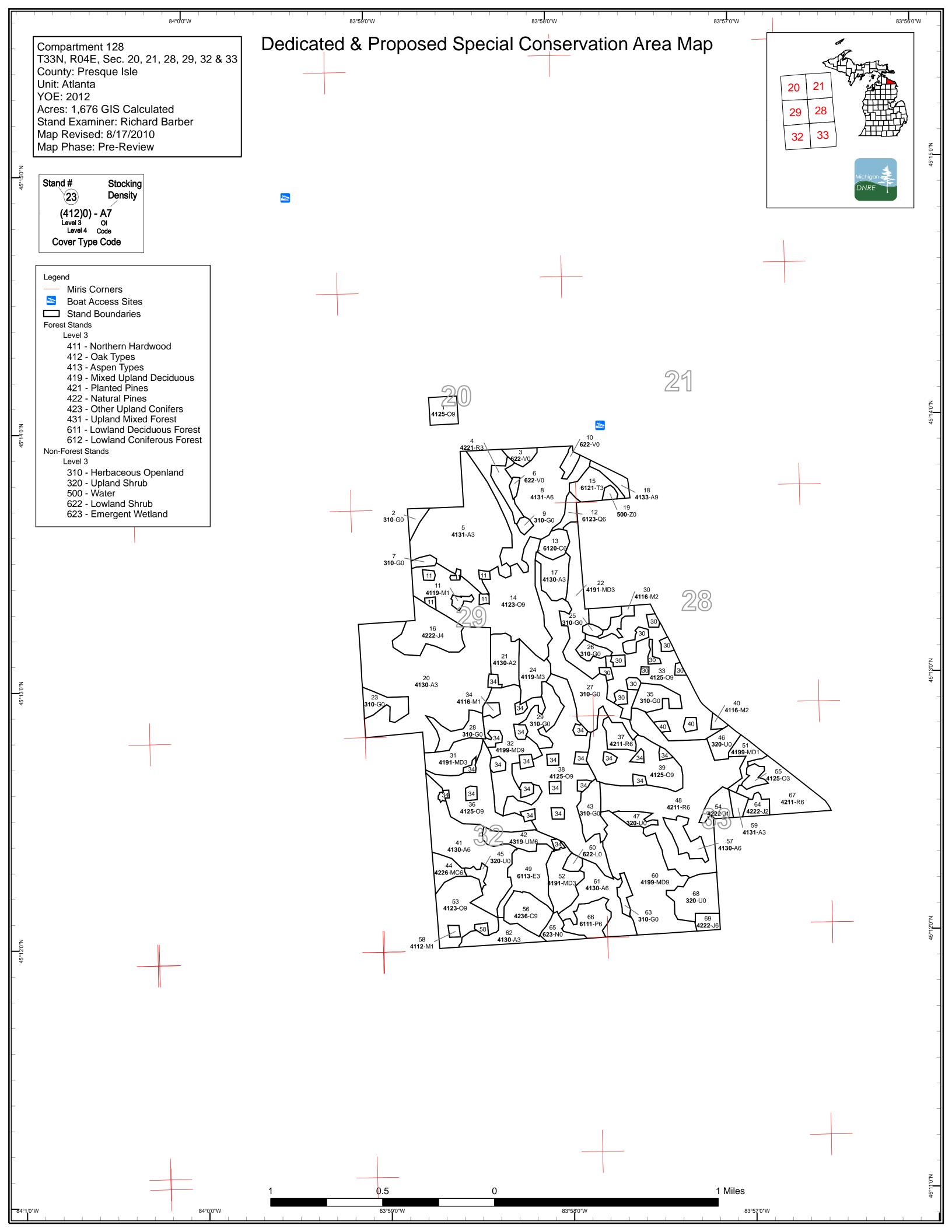
Additional Compartment Information:

- > 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







Data updated before 2:00 PM

Compartment 128 Year of Entry 2012



Age Class

Aspen 0 21 139 15 89 87 101 0 0 6 Bog 11 0 0 0 0 0 0 0 0 0	0 0		0110	No X Jue	18 / 18 / 18 / 18 / 18 / 18 / 18 / 18 /
Aspen 0 21 139 15 89 87 101 0 0 6	-	0		,	/
Bog 11 0 0 0 0 0 0 0 0 0		_	0	0	458
	0 0	0	0	0	11
Cedar 0 0 0 0 0 0 0 0 0 0	18 0	9	0	0	27
Herbaceous Openland 139 0 0 0 0 0 0 0 0 0	0 0	0	0	0	139
Jack Pine 0 15 0 30 5 0 0 0 0	0 0	0	0	0	50
Lowland Aspen/Balsam Poplar 0 0 0 16 0 0 0 0	0 0	0	0	0	16
Lowland Conifers 0 0 0 0 0 5 0 0	0 0	0	0	0	5
Lowland Deciduous 0 0 26 0 0 0 0 0 0 0	0 0	0	0	0	26
Lowland Shrub 3 0 0 0 0 0 0 0 0 0	0 0	0	0	0	3
Marsh 7 0 0 0 0 0 0 0 0	0 0	0	0	0	7
Mixed Upland Deciduous 0 0 9 33 19 18 0 0 0 120	0 0	0	0	0	200
Natural Mixed Pines 0 0 0 0 0 0 0 9 0	0 0	0	0	0	9
Northern Hardwood 0 83 16 0 0 0 0 0 0 0	0 0	0	0	0	99
Oak 0 0 0 5 0 0 10 0 255	84 42	0	0	0	397
Red Pine 0 0 0 9 109 41 0 0	0 0	0	0	0	160
Tamarack 0 0 0 0 0 0 13 0 0	0 0	0	0	0	13
Upland Mixed Forest 0 0 0 0 0 0 0 0 13	0 0	0	0	0	13
Upland Shrub 40 0 0 0 0 0 0 0 0	0 0	0	0	0	40
Water 2 0 0 0 0 0 0 0 0 0	0 0	0	0	0	2
Total 203 118 191 78 144 214 148 23 9 395	103 42	9	0	0	1676



Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Atlanta Mgt. Unit Year of Entry 2012

Compartment 128
Total Compartment Acres: 1676

Acres by Treatment Type

Commercial Harvest - 264 Site Prep - 0 Tree Planting - 0 Prescribed Burn - 0 Other - 0

Habitat Cut - 0 Opening Maintenance - 0 Tree Seeding - 0 Pesticide - 0

Cover Type by Harvest Method

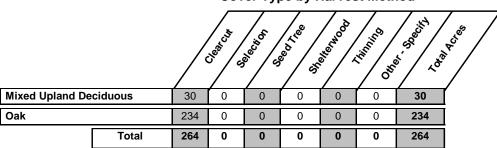


Table 3 -- Treatments Prescribed Compartment: 128 Atlanta Mgt. Unit with No Limiting Factor Year of Entry 2012 s Data updated before 2:00 PM t а **Treatment** Acres Stage1 Size Stand **Treatment** Treatment Cover Type n Approval Density Method Name Objective Status CoverType Type d Age 14 54128014-58.5 4123 - Red Oak High Density Log 85 Harvest Clearcut with Mixed Upland Cmpt. Review Deciduous with CCR Reserves Proposal Conifer Prescription Do not cut red pine or white pine, if present. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Proposed treatment boundary retains 1/3 or more of stand and retention is representative of the Specs: stand's species mix as a whole. Paint steep slopes out of sale. Protect advanced regeneration. Other_ Comments: If regeneration fails, plant mixed white pine and red pine to act as nurse crop for oak. Next Steps: 54128032-32 30.1 Harvest Clearcut with 4199 - Other Mixed High Density Log 85 Mixed Upland Cmpt. Review **CCR Upland Deciduous** Reserves Deciduous with Proposal Conifer Prescription Do not cut red pine or white pine, if present. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Proposed treatment boundary retains 1/3 or more of stand and retention is representative of the Specs: stand's species mix as a whole. Paint steep slopes out of sale. Protect advanced regeneration. **Other** Comments: Next If regeneration fails, plant mixed white pine and red pine to act as nurse crop for oak. Steps: 33 54128033-54.5 4125 - Black, N. Pin High Density Log Harvest Clearcut with Mixed Upland Cmpt. Review CCR Oak Reserves Deciduous with Proposal Conifer Prescription Do not cut red pine or white pine, if present. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Proposed treatment boundary retains 1/3 or more of stand and retention is representative of the Specs: stand's species mix as a whole. Paint steep slopes out of sale. Protect advanced regeneration. Other_ Comments: If regeneration fails, plant mixed white pine and red pine to act as nurse crop for oak. <u>Next</u> Steps: 54128036-19.3 4125 - Black, N. Pin Mixed Upland 36 High Density Log Harvest Clearcut with Cmpt. Review Deciduous with CCR Oak Reserves Proposal Conifer <u>Prescription</u> Do not cut red pine or white pine, if present. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Proposed treatment boundary retains 1/3 or more of stand and retention is representative of the Specs: stand's species mix as a whole. Paint steep slopes out of sale. Protect advanced regeneration. <u>Other</u> Comments: If regeneration fails, plant mixed white pine and red pine to act as nurse crop for oak. Next Steps:

38 54128038-59.2 4125 - Black, N. Pin Clearcut with Mixed Upland Cmpt. Review High Density Log Harvest Reserves Deciduous with Proposal CCR Conifer

Specs:

Prescription Do not cut red pine or white pine, if present. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Proposed treatment boundary retains 1/3 or more of stand and retention is representative of the stand's species mix as a whole. Paint steep slopes out of sale. Protect advanced regeneration.

<u>Other</u> Comments:

If regeneration fails, plant mixed white pine and red pine to act as nurse crop for oak.

Next Steps:

Compartment: 128 Atlanta Mgt. Unit Table 3 -- Treatments Prescribed with No Limiting Factor Year of Entry 2012 s Data updated before 2:00 PM а **Treatment** Acres Stage1 Size Stand **Treatment Treatment** Cover Type Approval n Name CoverType Density Method Objective **Status** Age Type d 39 54128039-27.8 4125 - Black, N. Pin High Density Log 85 Harvest Clearcut with Mixed Upland Cmpt. Review CCR Deciduous with Proposal Oak Reserves Conifer

Specs:

Prescription Do not cut red pine or white pine, if present. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Proposed treatment boundary retains 1/3 or more of stand and retention is representative of the stand's species mix as a whole. Paint steep slopes out of sale. Protect advanced regeneration.

Other_

Comments: Next

If regeneration fails, plant mixed white pine and red pine to act as nurse crop for oak.

Steps:

54128053-Clearcut with 53 14.5 4123 - Red Oak High Density Log 89 Harvest Mixed Upland Cmpt. Review **CCR** Reserves Deciduous with Proposal Conifer

Prescription Do not cut red pine or white pine, if present. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Proposed treatment boundary retains 1/3 or more of stand and retention is representative of the Specs: stand's species mix as a whole. Paint steep slopes out of sale. Protect advanced regeneration.

<u>Other</u> Comments:

<u>Next</u> If regeneration fails, plant mixed white pine and red pine to act as nurse crop for oak.

Steps:

Total Treatment

264.0 Acreage Proposed:

Atlanta Mgt. Unit Table 4 -- Treatments Prescribed with Compartment: 128 a Limiting Factor s Year of Entry 2012 Data updated before 2:00 PM **Treatment** n **Treatment** Acres Stage1 Size Stand **Treatment Cover Type Approval** Name CoverType Density Method Objective Status Age Type #Error **Prescription** Specs: <u>Other</u> Comment:

Total Treatment Acreage Proposed:

<u>Limiting Factor and No</u> <u>Treatment Reason</u>

Next Steps:

0

Data updated before 2:00 PM

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

Year of Entry: 2012

Treatment	Acres	Stage1	Size	Stand	Treatment	Treatment	Cover Type	Approval
Name		CoverType	Density	Age	Type	Method	Objective	Status
022_St28C.Cu t	25.0				Harvest	Clearcut with Reserves	Oak, Aspen	Cmpt. Review Proposal

Prescription Cut with stand 14 in Compartment 24. Clear cut: In areas of heavy oak leave up to 10-20BA of oak and pine. In areas predominantly apsen Specs:

only leave scattered oak.

Other_ Acceptable regen is any mix of aspen, oak and pine. Some white pine is present. Leave both a mix red and white oak. No retention is needed Comments:

because leaving steep slope along northern edge of stand.

<u>Next</u> Regen survey 3-5 yrs after harvest.

Steps:

54030 OutOfY 1.2 **OE-STR**

Harvest Seed Tree with Natural Red Pine. Cmpt. Review

Mixed Deciduous Reserves Proposal

Prescription MMark red pine residual to average tree height spacing. Leave 10 BA white pine and all oak, if present. Paint in 2 chain wide buffer along High Specs: Country Pathway, using pathway as centerline. Allow whole tree skidding; require chipping of tops, with movement of tops to approved landings

to be done concurrently with harvesting. Post sale: scarify sale area to regenerate red pine, but may exclude areas of heavy white pine

regeneration.

<u>Other</u>

Comments:

Continued scarification until full stocking of red pine is achieved. <u>Next</u>

Steps:

54004 St8-Red Oak Cmpt. Review 12.1 Prescribed Burn Unspecified Burn Proposal

Prescription Burn with adjacent stand in Compartment 24. Understory burn to remove red maple regeneration

<u>Other</u> Comments:

<u>Next</u> follow up with timber harvest next entry.

Steps:

Total Treatment

38.2 Acreage Proposed:

S t					orested Stands ated before 2:00 PM	Compartment: 128 Year of Entry: 2012
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4125 - Black, N. Pin Oak	High Density Log	9.9	69	81-110	May be steep in places.
4	42210 - Natural Red Pine	High Density Sapling	9.3	38		piles of dirt all around edge of stand.
5	4131 - Aspen, Oak	High Density Sapling	89.9	50	1-50	
8	4131 - Aspen, Oak	High Density Pole	74.1	38	51-80	
11	4119 - Mixed Northern Hardwoods	Low Density Sapling	8.4	6		Stand swapped from Non-Forested to Forested.
12	6123 - Lowland Fir	High Density Pole	5.3	50		New stand added.
13	6120 - Lowland Cedar	High Density Pole	8.7	114		
14	4123 - Red Oak	High Density Log	87.7	85	81-110	
15	6121 - Tamarack	High Density Sapling	13.0	60		Stand swapped from Non-Forested to Forested.
16	42220 - Natural Jack Pine	Low Density Pole	30.4	25		
17	4130 - Aspen	High Density Sapling	14.8	27		New stand added.
18	4133 - Aspen, Mixed Pine	High Density Log	5.7	81	81-110	Steep and of visual concern.
20	4130 - Aspen	High Density Sapling	139.3	15		
21	4130 - Aspen	Medium Density	16.9	4	1-50	New stand added.
22	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	32.7	27	1-50	New stand added.
24	4119 - Mixed Northern Hardwoods	High Density Sapling	16.4	17		
30	4116 - Mixed N. Hardwood - Aspen	Medium Density	23.8	6		Stand swapped from Non-Forested to Forested.
31	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	18.1	45	1-50	

S t					orested Stands ated before 2:00 PM	Compartment: 128 Year of Entry: 2012
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
32	4199 - Other Mixed Upland Deciduous	High Density Log	45.8	85	51-80	
33	4125 - Black, N. Pin Oak	High Density Log	84.4	90	51-80	
34	4116 - Mixed N. Hardwood - Aspen	Low Density Sapling	41.7	6		Stand swapped from Non-Forested to Forested.
36	4125 - Black, N. Pin Oak	High Density Log	42.1	100	51-80	
37	42110 - Planted Red Pine	High Density Pole	8.9	50	111-140	LCR = 0.5
38	4125 - Black, N. Pin Oak	High Density Log	89.3	85	81-110	
39	4125 - Black, N. Pin Oak	High Density Log	43.7	85	51-80	
40	4116 - Mixed N. Hardwood - Aspen	Medium Density	5.7	6		
41	4130 - Aspen	High Density Pole	57.5	49	51-80	
42	4319 - Mixed Upland Forest	High Density Pole	13.5	80		
44	42260 - Natural Pine, Mixed Deciduous	High Density Pole	9.0	73	81-110	
48	42110 - Planted Red Pine	High Density Pole	109.3	45	111-140	
49	6113 - Lowland Maple	High Density Sapling	25.8	14		
51	4199 - Other Mixed Upland Deciduous	Low Density Sapling	9.4	16		
52	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	19.3	33		
53	4123 - Red Oak	High Density Log	34.6	89	81-110	
54	42221 - Natural Jack Pine, Mixed Deciduous	Low Density Sapling	8.9	6		
55	4125 - Black, N. Pin Oak	High Density Sapling	4.8	30		

5 - Forested Stands Compartment: 128 Atlanta Mgt. Unit s Year of Entry: 2012 Data updated before 2:00 PM t а Level 4 Size Stand General BA n **Cover Type** Density Acres Range Comments: Age d High Density 42360 - Upland Cedar 18.2 98 56 Log 4130 - Aspen High Density 11.4 53 51-80 57 Pole 4112 - Maple, Beech, Low Density 6 3.2 barely 25% if counting spots which where less than 1 acre in size. 58 Cherry Association Sapling High Density 4131 - Aspen, Oak 6 4.3 Stand swapped from Non-Forested to Forested. 59 Sapling 4199 - Other Mixed **High Density** 84 74.3 51-80 60 **Upland Deciduous** Log 4130 - Aspen **High Density** 29.2 49 51-80 61 Pole 4130 - Aspen **High Density** 15.1 32 1-50 62 New stand added. Sapling 42220 - Natural Jack Medium 64 5.7 6 Pine Density

6111 - Lowland Balsam

Poplar

42110 - Planted Red

Pine

42220 - Natural Jack

Pine

66

67

69

High Density

Pole

High Density

Pole

High Density

Pole

15.8

32.2

5.2

33

50

38

81-110

51-80

New stand added.

Atlanta Mgt. Unit

6 – Nonforested StandsData updated before 2:00 PM

Compartment: 128
Year of Entry: 2012

DNRE

Stand	Cover Type	Acres	Gen Cmts:
2	3102 - Grass	4.3	
3	6225 - Bog	5.3	
6	6225 - Bog	1.8	
7	3102 - Grass	2.9	
9	3102 - Grass	2.3	
10	6225 - Bog	4.1	
19	50 - Water	2.1	
23	3102 - Grass	11.7	
25	3102 - Grass	2.4	
26	3102 - Grass	5.4	
27	3102 - Grass	49.2	
28	3102 - Grass	12.8	
29	3102 - Grass	16.5	
35	3102 - Grass	12.3	
43	3102 - Grass	14.8	
45	320 - Upland Shrub	3.3	
46	320 - Upland Shrub	8.8	Stand swapped from Forested to Non-Forested.
47	320 - Upland Shrub	5.8	

Atlanta Mgt. Unit

6 – Nonforested StandsData updated before 2:00 PM

Compartment: 128 Year of Entry: 2012



Stand	Cover Type	Acres	Gen Cmts:
50	622 - Lowland Shrub	3.2	
63	3102 - Grass	4.6	
65	623 - Emergent Wetland	7.3	
68	320 - Upland Shrub	22.3	Stand swapped from Forested to Non-Forested.

Atlanta Mgt. Unit Compartment: 128

Year of Entry: 2012



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.

Data updated before 2:00 PM

Stand	SCA Type	SCA Name	Acres	Comments

Atlanta Mgt. Unit Compartmer





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.

Conservatio Area	n Type	Data updated before 2:00 PM Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA Concentrated Recreation Area		Facilities that are designed and maintained for routine or he State Forest campgrounds, motorized and non-motorized traccess sites.	