



ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION
COMPARTMENT 098 ENTRY YEAR: 2012
Compartment Acreage: 432 County: Alpena

Revision Date: October 26, 2010

Stand Examiner: Major

Legal Description: T31N, R5E, Sec. 14, 22, 23, 24 & 29

RMU (if applicable): Alpena Lake Plain

Management Goals: Wetland protection, pine management.

Soil and Topography: While overwhelmingly wetland and PArVCo, the James Farm site is PArVVb.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State lands across river. The remainder is privately owned for recreational or residential.

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): None Reported.

Special Management Designations or Considerations: None.

Watershed and Fisheries Considerations: Thunder Bay River and Jewitt Creek tributaries form part of the compartment boundary

Wildlife Habitat Considerations: This small compartment has fragmented state ownership along the Thunder Bay River, which provides waterfowl habitat as well as corridors for several furbearers like beaver, mink, and otter. The open areas of the compartment have been share-cropped for several years and provide habitat for deer, turkey, grouse, woodcock, and several songbird species.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of coarse-textured glacial till. The glacial drift thickness varies between 100 and 200 feet. Beneath the glacial drift is the Devonian Antrim Shale. There is no known economic use for the Antrim Shale. A gravel pit is located in the compartment in Section 23, but the potential on State land appears limited. South of this area has had limited drilling and gas production from the Antrim Shale. Additional drilling for the Antrim Shale is possible, but the Antrim Shale is pinching out in this area. Section 22 is leased and Section 29 is leased and in a producing Antrim UA.

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

Survey Needs: None at this time.

Recreational Facilities and Opportunities: The James Farm is sometimes used for putting in and taking out canoes.

Fire Protection: Adequate.

Additional Compartment Information:

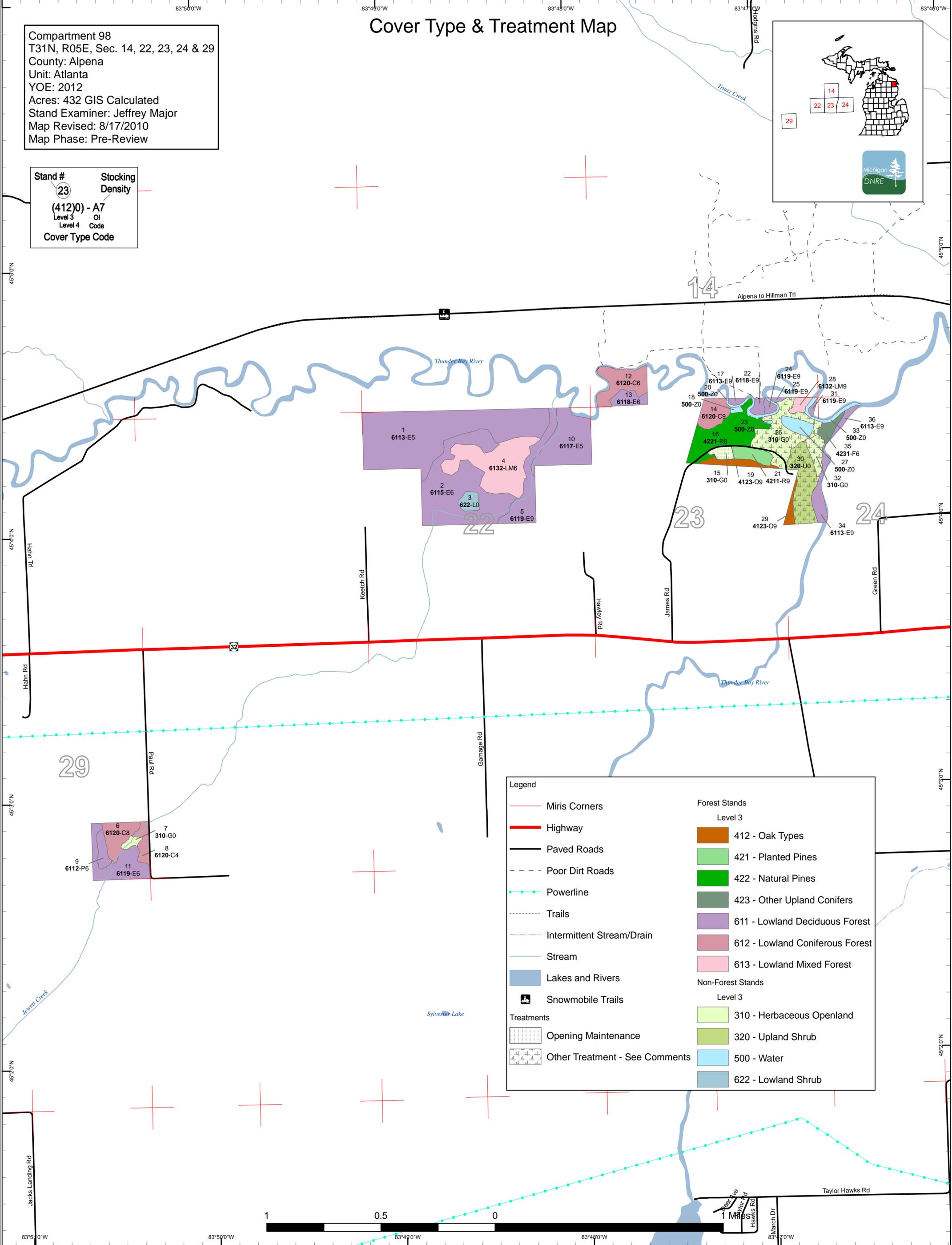
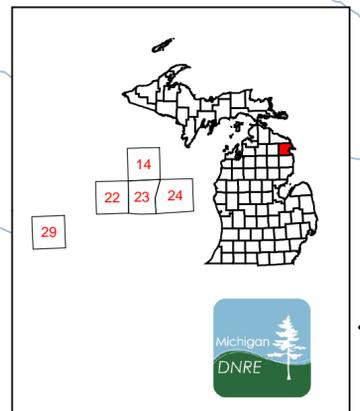
- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

- **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 98
 T31N, R05E, Sec. 14, 22, 23, 24 & 29
 County: Alpena
 Unit: Atlanta
 YOE: 2012
 Acres: 432 GIS Calculated
 Stand Examiner: Jeffrey Major
 Map Revised: 8/17/2010
 Map Phase: Pre-Review

Stand #
 23
Stocking Density
 (4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

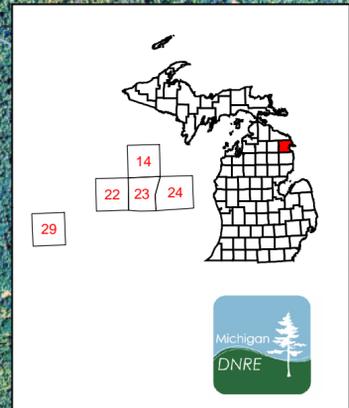


Legend

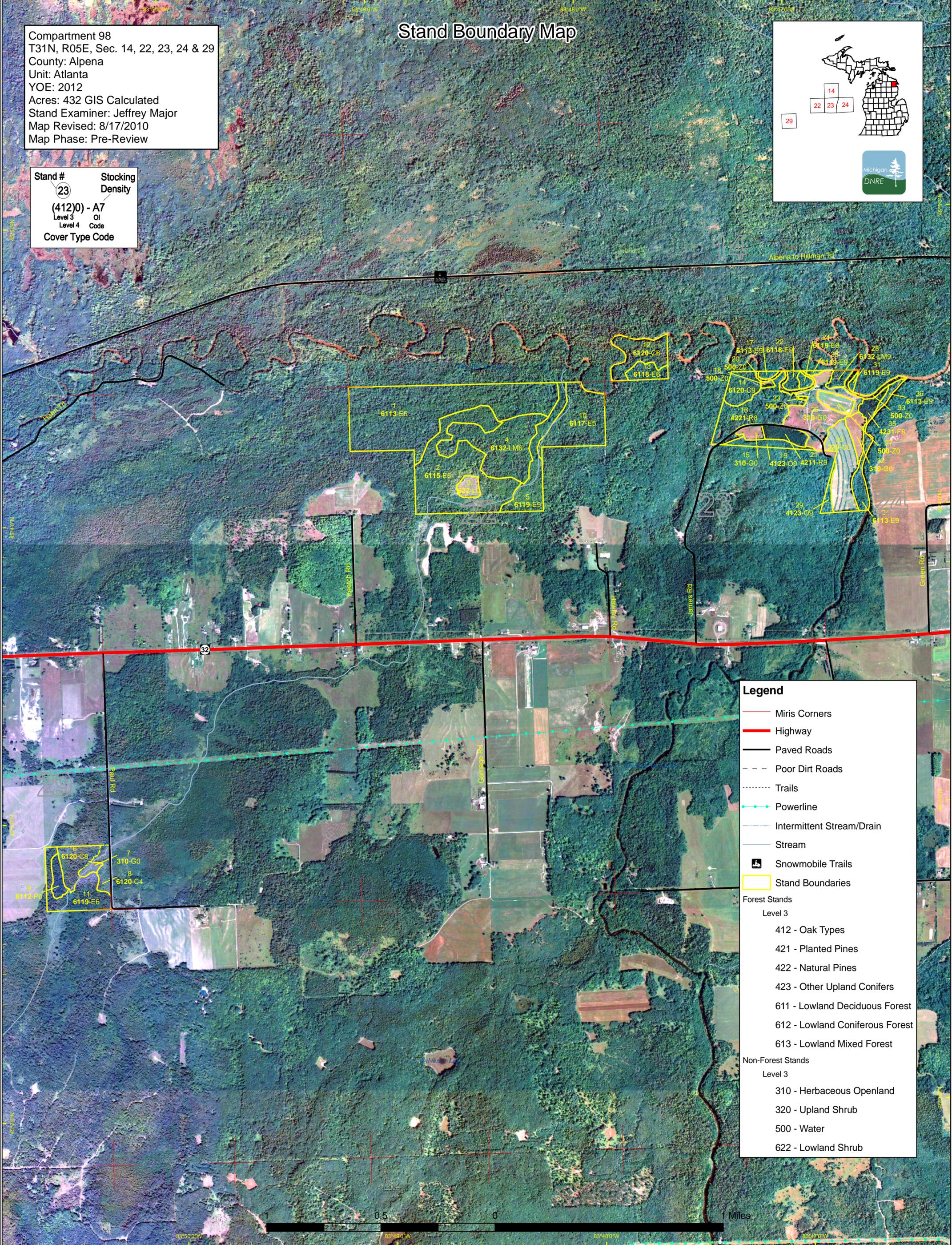
	Miris Corners		412 - Oak Types
	Highway		421 - Planted Pines
	Paved Roads		422 - Natural Pines
	Poor Dirt Roads		423 - Other Upland Conifers
	Powerline		611 - Lowland Deciduous Forest
	Trails		612 - Lowland Coniferous Forest
	Intermittent Stream/Drain		613 - Lowland Mixed Forest
	Stream		
	Lakes and Rivers	Non-Forest Stands	
	Snowmobile Trails	Level 3	
	Opening Maintenance		310 - Herbaceous Openland
	Other Treatment - See Comments		320 - Upland Shrub
			500 - Water
			622 - Lowland Shrub

Stand Boundary Map

Compartment 98
 T31N, R05E, Sec. 14, 22, 23, 24 & 29
 County: Alpena
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Stand #
 23
Stocking Density
 (4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



Legend

- Miris Corners
- Highway
- Paved Roads
- Poor Dirt Roads
- Trails
- Powerline
- Intermittent Stream/Drain
- Stream
- Snowmobile Trails
- Stand Boundaries

Forest Stands

Level 3

- 412 - Oak 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

- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub



83°50'00"W 83°49'00"W 83°48'00"W 83°47'00"W

Dedicated & Proposed Special Conservation Area Map

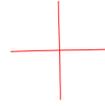
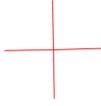
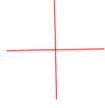
83°50'0"W

83°49'0"W

83°48'0"W

83°47'0"W

83°46'0"W



Legend

- Miris Corners
- Stand Boundaries

Forest Stands

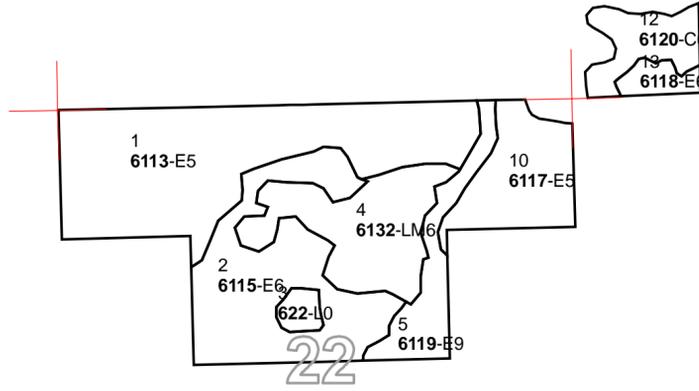
Level 3

- 412 - Oak Types
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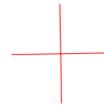
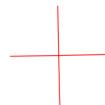
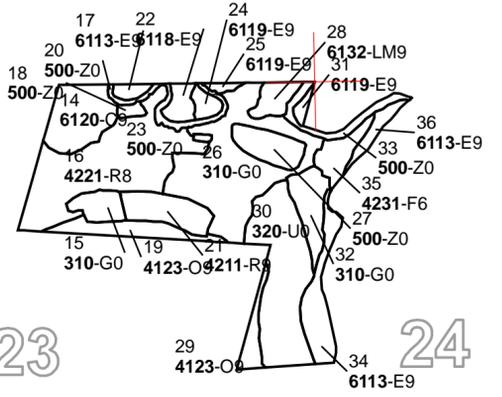
Non-Forest Stands

Level 3

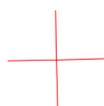
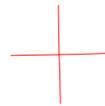
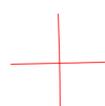
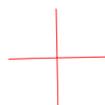
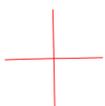
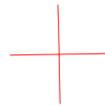
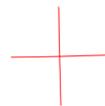
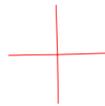
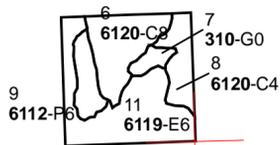
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub



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29



45°30'N

45°40'N

45°50'N

45°20'N

45°30'N

45°40'N

45°50'N

83°51'0"W

83°50'0"W

83°49'0"W

83°48'0"W

83°47'0"W

Table 1 – Total Acres by Cover Type and Age Class

Data updated before 2:00 PM



	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 +		Unrepen Age
Cedar	0	0	0	0	0	0	0	0	0	6	20	15	0	0	0	41
Herbaceous Openland	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Lowland Deciduous	0	0	0	0	0	0	0	18	0	216	0	0	0	0	0	233
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	37	0	0	0	3	0	40
Lowland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Oak	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8
Red Pine	0	0	0	0	0	0	6	0	0	26	0	0	0	0	0	32
Upland Shrub	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Upland Spruce/Fir	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Water	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Total	70	0	0	0	0	0	14	18	0	292	20	15	0	3	0	432



Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Atlanta Mgt. Unit
Year of Entry 2012

Compartment 098
Total Compartment Acres: 432.1

Acres by Treatment Type

Commercial Harvest - 0	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 52	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
	#Error	#Error	#Error	#Error	#Error	#Error	#Error
Total	#Error	#Error	#Error	#Error	#Error	#Error	#Error

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Data updated before 2:00 PM

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
15 NF_54098015- NonFor	3.4	Non-Forested		0	Non-Forest Management	Brush Cutting	Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Remove Autumn Olive through cutting and herbicide treatments; Maintain as opening through mowing and/or planting to food and cover crops for wildlife								
<u>Specs:</u>								
<u>Other</u> Share-cropped fields								
<u>Comments:</u>								
<u>Next</u> Monitor autumn olive and re-treat if re-sprouting occurs; monitor for cover type and perform opening maintenance on 5-10 year rotation								
<u>Steps:</u>								
26 NF_54098026- NonFor	23.7	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Remove Autumn Olive through cutting and herbicide treatments; Maintain as opening through mowing and/or planting to food and cover crops for wildlife								
<u>Specs:</u>								
<u>Other</u> Share-cropped fields								
<u>Comments:</u>								
<u>Next</u> Monitor autumn olive and re-treat if re-sprouting occurs; monitor for cover type and perform opening maintenance on 5-10 year rotation								
<u>Steps:</u>								
30 NF_54098030- NonFor	19.7	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Remove Autumn Olive through cutting and herbicide treatments; Maintain as opening through mowing and/or planting to food and cover crops for wildlife								
<u>Specs:</u>								
<u>Other</u> Share-cropped fields								
<u>Comments:</u>								
<u>Next</u> Monitor autumn olive and re-treat if re-sprouting occurs; monitor for cover type and perform opening maintenance on 5-10 year rotation								
<u>Steps:</u>								
32 NF_54098032- NonFor	5.5	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Remove Autumn Olive through cutting and herbicide treatments; Maintain as opening through mowing and/or planting to food and cover crops for wildlife								
<u>Specs:</u>								
<u>Other</u> Share-cropped fields								
<u>Comments:</u>								
<u>Next</u> Monitor autumn olive and re-treat if re-sprouting occurs; monitor for cover type and perform opening maintenance on 5-10 year rotation								
<u>Steps:</u>								
Total Treatment Acreage Proposed: 52.3								



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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

Total Treatment
Acreage Proposed: 0

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



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
022_St28C.Cu t	25.0				Harvest	Clearcut with Reserves	Oak, Aspen	Cmpt. Review Proposal
<p><u>Prescription</u> 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 aspen only leave scattered oak.</p> <p><u>Specs:</u></p> <p><u>Other</u> 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 because leaving steep slope along northern edge of stand.</p> <p><u>Comments:</u></p> <p><u>Next</u> Regen survey 3-5 yrs after harvest.</p> <p><u>Steps:</u></p>								
54030_OutOfY OE-STR	1.2				Harvest	Seed Tree with Reserves	Natural Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription</u> 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 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.</p> <p><u>Specs:</u></p> <p><u>Other</u></p> <p><u>Comments:</u></p> <p><u>Next</u> Continued scarification until full stocking of red pine is achieved.</p> <p><u>Steps:</u></p>								
54004_St8- Burn	12.1				Prescribed Burn	Unspecified	Red Oak	Cmpt. Review Proposal
<p><u>Prescription</u> Burn with adjacent stand in Compartment 24. Understory burn to remove red maple regeneration</p> <p><u>Specs:</u></p> <p><u>Other</u></p> <p><u>Comments:</u></p> <p><u>Next</u> follow up with timber harvest next entry.</p> <p><u>Steps:</u></p>								
Total Treatment Acreage Proposed:		38.2						

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 098

Data updated before 2:00 PM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6113 - Lowland Maple	Medium Density Pole	89.5	87		
2	6115 - Lowland Ash	High Density Pole	57.7	87		very poorly drained soil.
4	6132 - Mixed Lowland Forest with Cedar	High Density Pole	37.2	87		
5	6119 - Mixed Lowland Deciduous Forest	High Density Log	19.0	85	111-140	2 orv stream crossings in this stand and several illegal orv trails. CO's made aware of activity.
6	6120 - Lowland Cedar	Medium Density Log	10.4	91		poorly drained, lots of blowdown. creek along southern edge of stand.
8	6120 - Lowland Cedar	Low Density Pole	5.8	85		very wet, inoperable. lots of tall grass and tag alder. lots of dead snags.
9	6112 - Lowland Aspen	High Density Pole	4.3	58		
10	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	28.1	87		several illegal orv trails coming from pvt property to the east. CO's made aware of activity.
11	6119 - Mixed Lowland Deciduous Forest	High Density Pole	17.7	62		
12	6120 - Lowland Cedar	High Density Pole	15.2	100		
13	6118 - Lowland Deciduous with Cedar	High Density Pole	5.6	85		
14	6120 - Lowland Cedar	High Density Log	9.1	94		
16	42210 - Natural Red Pine	Medium Density Log	25.5	85		
17	6113 - Lowland Maple	High Density Log	1.2	85		
19	4123 - Red Oak	High Density Log	5.2	87	81-110	
21	42110 - Planted Red Pine	High Density Log	6.3	55	141-170	nice red pine stand, thinned in the past few years. lots of autumn olive invading and spreading from adjacent field. would like to treat stand to eliminate it.
22	6118 - Lowland Deciduous with Cedar	High Density Log	2.3	85		

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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 098

Data updated before 2:00 PM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	6119 - Mixed Lowland Deciduous Forest	High Density Log	1.7	85		
25	6119 - Mixed Lowland Deciduous Forest	High Density Log	0.7	85		
28	6132 - Mixed Lowland Forest with Cedar	High Density Log	2.9	124		
29	4123 - Red Oak	High Density Log	2.7	87	81-110	
31	6119 - Mixed Lowland Deciduous Forest	High Density Log	0.8	85		
34	6113 - Lowland Maple	High Density Log	7.0	85		small stand that borders the Thunder Bay River.
35	42310 - Planted Spruce	High Density Pole	3.8	55	111-140	
36	6113 - Lowland Maple	High Density Log	2.1	85		



Stand	Cover Type	Acres	Gen Cmts:
3	622 - Lowland Shrub	4.0	
7	310 - Herbaceous Openland	1.9	
15	310 - Herbaceous Openland	3.4	
18	50 - Water	0.8	
20	50 - Water	2.8	
23	50 - Water	0.3	
26	310 - Herbaceous Openland	23.7	
27	50 - Water	4.9	
30	3202 - Autumn Olive/Honeysuckle	19.7	New stand added.
32	3102 - Grass	5.5	New stand added.
33	50 - Water	3.1	



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



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.

Data updated before 2:00 PM

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

Conservation Area	Type	Description
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