



**ATLANTA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 94 ENTRY YEAR: 2013

Compartment Acreage: 1,214 County: Alpena

Revision Date: 10/27/2011

Stand Examiner: Cody Stevens

Legal Description: T31N-R5E, Sections 11, 13, 14 and T31N-R6E Section 18

RMU (if applicable): Alpena 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 low ground. The dominate cover types for the compartment are lowland hardwoods and aspen. The Thunder Bay River flows through the compartment.

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 composed primarily of mixed conifer-hardwood forested wetlands dominated by lowland hardwoods and brush. It provides excellent habitat for black bear, white-tailed deer, ruffed grouse, American woodcock, wood ducks, and migrating waterfowl. No treatments were recommended during the last compartment review as a result of poor to fair regeneration. One treatment is proposed in lowland poplar during this review period and should result in good habitat for grouse and woodcock. No managed openings exist in this compartment, though extensive agriculture and openings to the south are sufficient to meet wildlife opening requirements.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of peat and muck and coarse-textured glacial till. The glacial drift thickness varies between 50 and 200 feet. Beneath the glacial drift is the Devonian Traverse Group. The Traverse is quarried for Limestone/cement products. Gravel pits are located to the south of the compartment and potential appears to be limited with the possible exception of Section 18. South of this area has had some drilling and gas production from the Antrim Shale. Additional drilling for the Antrim Shale is unlikely, as the Antrim Shale appears to be gone in this area. There are no oil and gas leases, but there may be potential for the Collingwood Formation.

Vehicle Access:

This compartment is accessed from Salina road and the snowmobile trail. The snowmobile trail is gated except during snowmobile season. There are a few 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 snowmobiling.

Fire Protection:

Fire response to the compartment will be covered by the Alpena DNR office as well as the Long Rapids 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

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

Compartment 94
 T31N, R05E, Sec. 11, 13-14, 18
 County: Alpena
 Unit: Atlanta
 YOE: 2013
 Acres: 1,214 GIS Calculated
 Stand Examiner: Cody Stevens
 Map Revised: 8/11/2011
 Map Phase: Pre-Review

Legend

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

Treatments

- Clearcut (w/Reserves, Patch/Strip)

Forest Stands

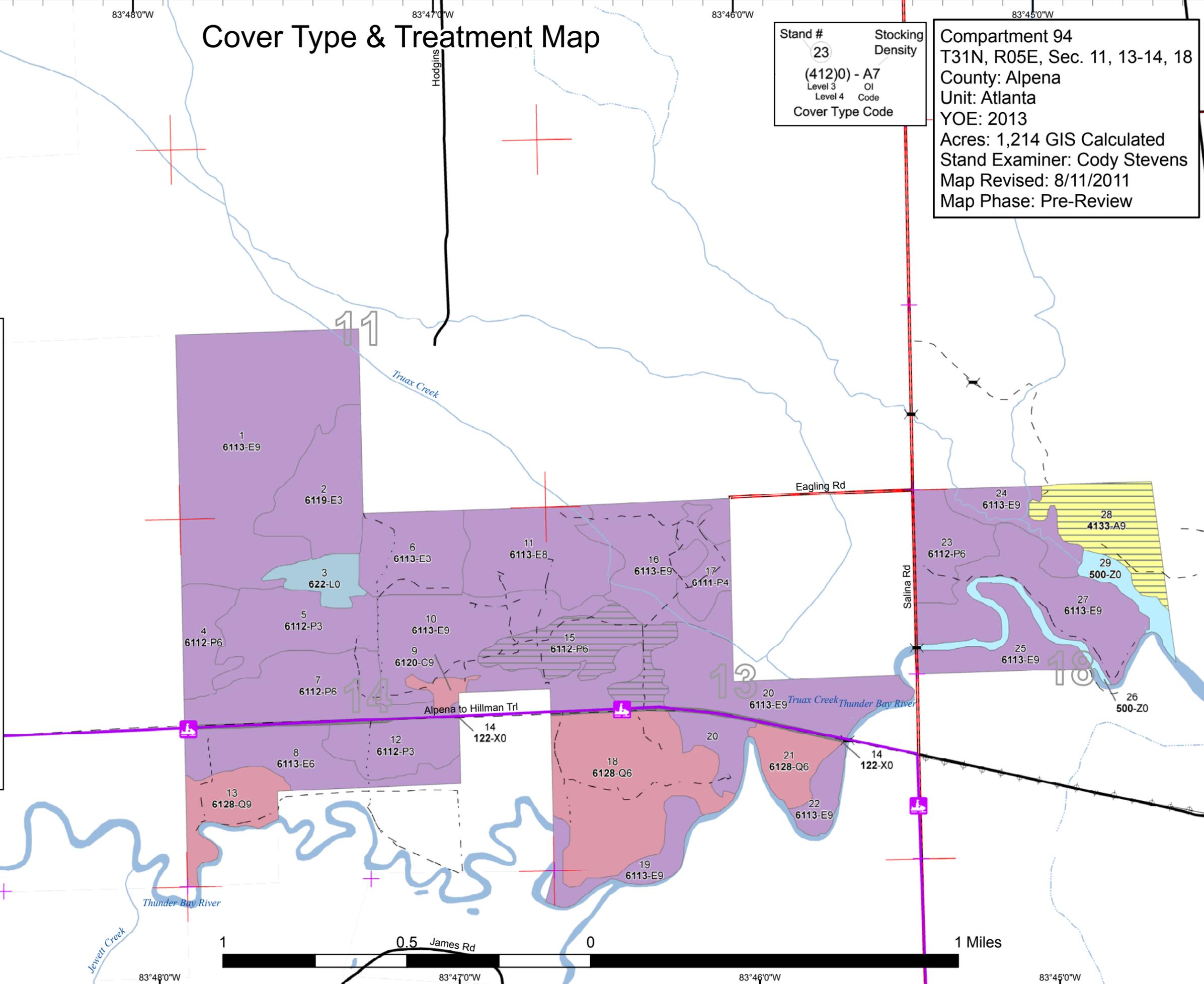
Level 3

- 413 - Aspen Types
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

Level 3

- 122 - Road/Parking Lot
- 500 - Water
- 622 - Lowland Shrub



Stand Boundary Map

11
14 13 18

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DEPARTMENT OF NATURAL RESOURCES
DNR
MICHIGAN

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

Compartment 94
T31N, R05E, Sec. 11, 13-14, 18
County: Alpena
Unit: Atlanta
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Legend

- Miris Corners
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Cable
- Pipe
- Power
- Intermittent Stream/Drain
- Stream
- Bridges
- Snowmobile Trails
- Snowmobile Trail
- Stand Boundaries

Forest Stands

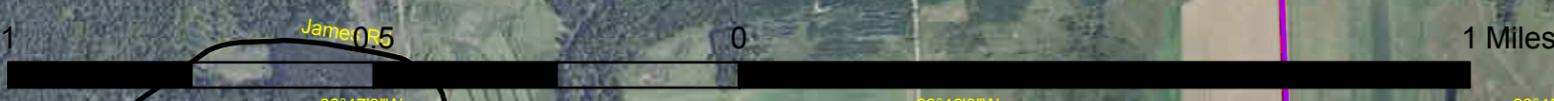
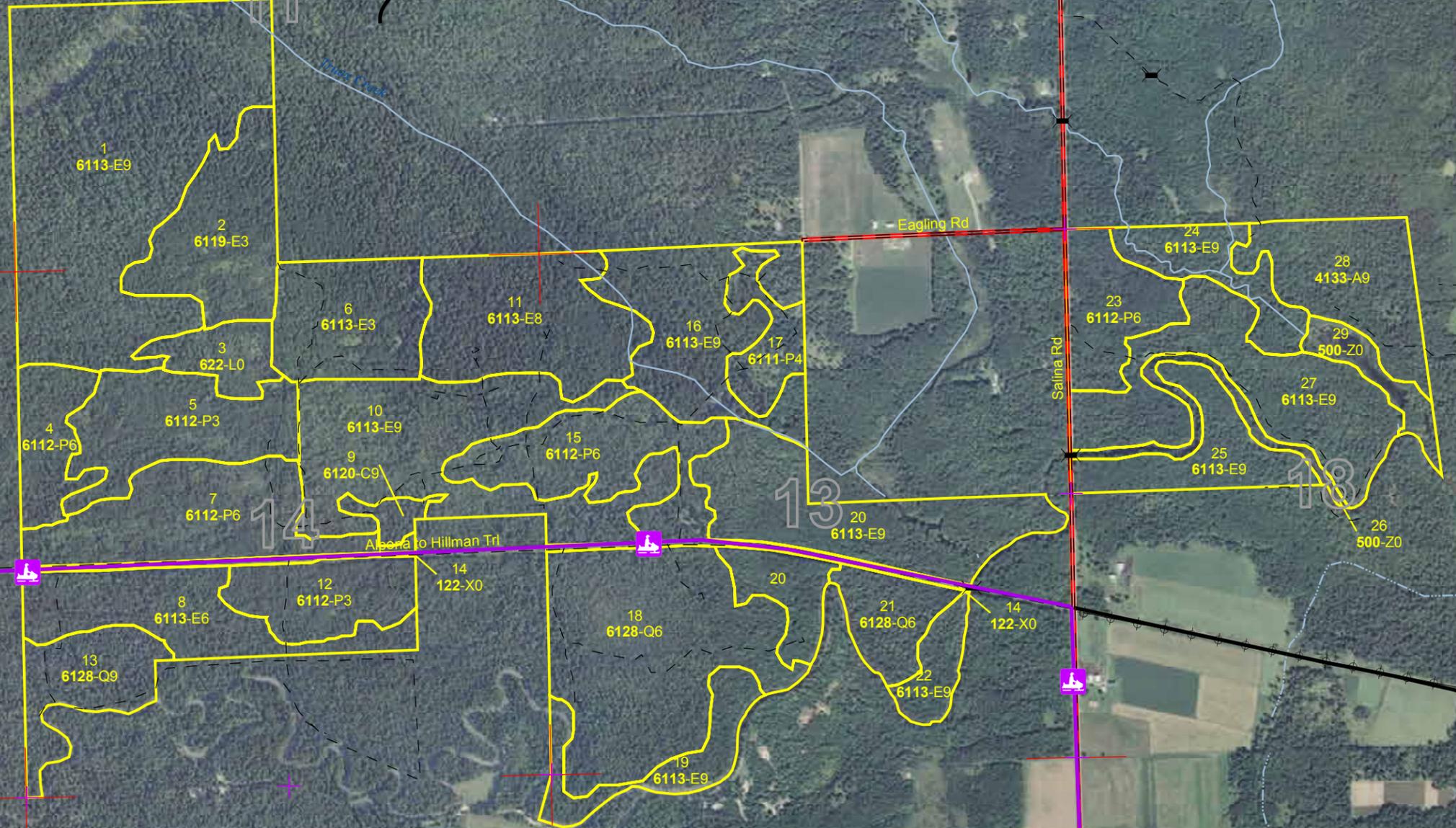
Level 3

- 413 - Aspen Types
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

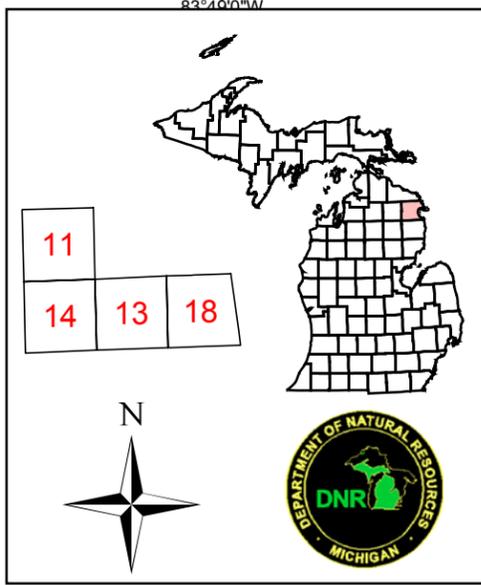
Non-Forest Stands

Level 3

- 122 - Road/Parking Lot
- 500 - Water
- 622 - Lowland Shrub



Dedicated & Proposed Special Conservation Area Map



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

Compartment 94
T31N, R05E, Sec. 11, 13-14, 18
County: Alpena
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- Legend**
- Miris Corners
 - + Remonumented Section Corners
 - Stand Boundaries
- Forest Stands**
- Level 3
- 413 - Aspen Types
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3
- 122 - Road/Parking Lot
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 - 622 - Lowland Shrub

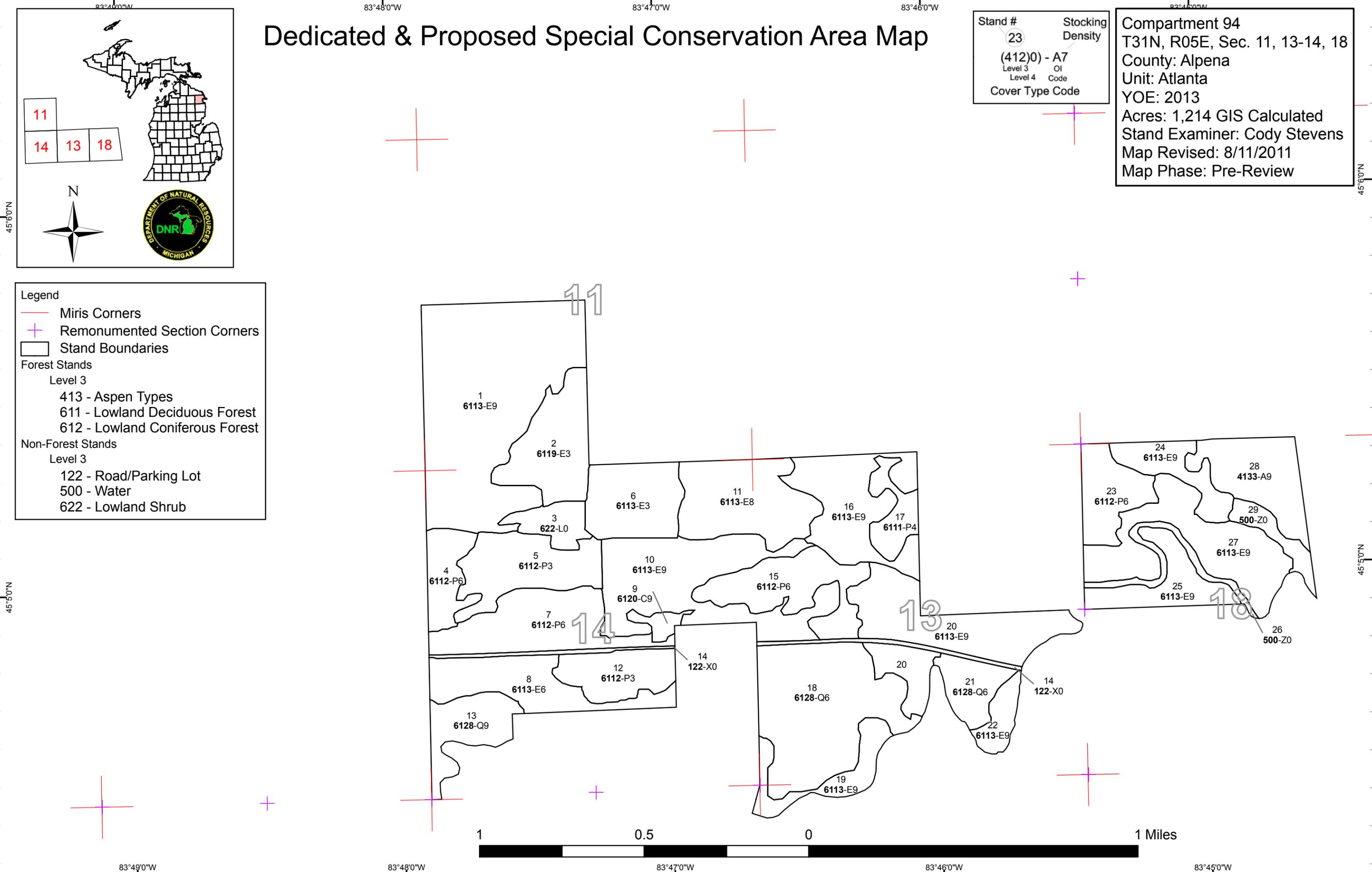
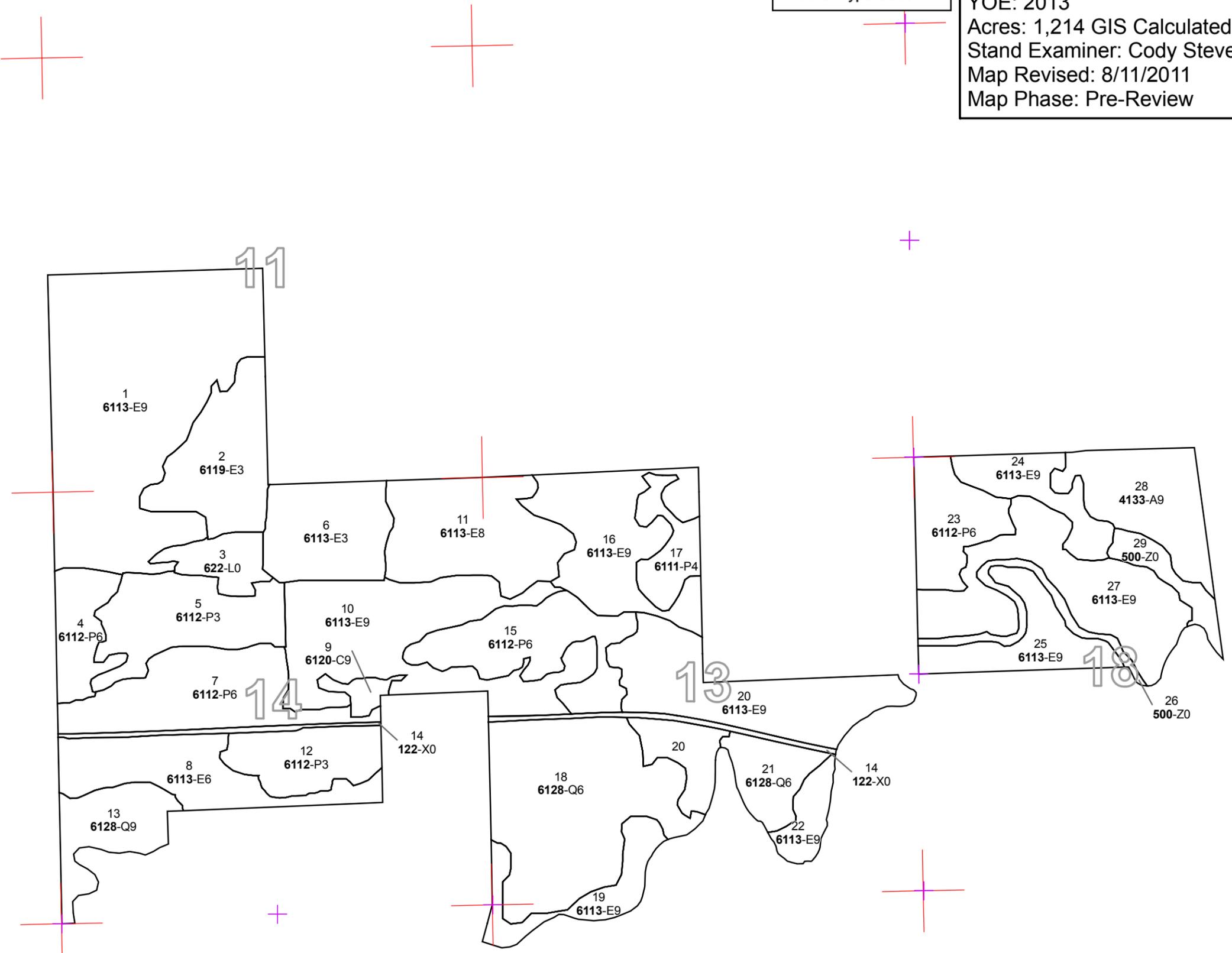


Table 1 – Total Acres by Cover Type and Age Class



	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	0	0	0	0	0	0	0	42	0	0	0	0	0	42
Cedar	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	6
Lowland Aspen/Balsam Poplar	0	0	0	76	101	0	0	0	0	69	0	0	0	0	0	246
Lowland Conifers	0	0	0	0	0	0	0	0	0	117	29	0	0	0	0	146
Lowland Deciduous	0	0	0	46	41	0	0	0	0	332	304	0	0	0	0	723
Lowland Shrub	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Urban	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Water	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Total	50	0	0	122	142	0	0	0	0	566	333	0	0	0	0	1214



Table 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2013

Compartment 094
Total Compartment Acres: 1214

Acres by Treatment Type

Commercial Harvest - 89	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

	<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
Aspen	42	0	0	0	0	0	42
Lowland Aspen/Balsam Poplar	47	0	0	0	0	0	47
Total	89	0	0	0	0	0	89

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	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
15	94015-C.Cut	46.5	6112 - Lowland Aspen	High Density Pole	84	Harvest	Clearcut with Reserves	6112 - Lowland Aspen	Cmpt. Review Proposal

Prescription: Clear Cut: Leave scattered oak where present. Dry summer cut only because of Snowmobile conflicts. Use standard trail specs to require haul road to be restored to equal or better condition.

Other: Acceptable regen is any mix of aspen, or mixed deciduous. Expect some rutting. Possibly more than normal standards allow. If doesn't sell

Comments: treat non-commercially over next 5 yrs.

Next: Follow up with regen survey.

Steps:

**Total Treatment
Acreage Proposed: 46.5**

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	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
28	94028-C.Cut	42.2	4133 - Aspen, Mixed Pine	High Density Log	81	Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal

Prescription Clear Cut leave scattered pine, up to 1-3 per acre.

Specs:

Other acceptable regen is any mix of aspen, pine or hdwd.

Comment:

Next

Steps:

Limiting Factor and No Treatment Reason

2A: Adjacent landowner denies access
Treat if adjacent landowner ever cuts his property.

Total Treatment Acreage Proposed: 42.2

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**

S t a n d	Atlanta Mgt. Unit		5 – Forested Stands		Compartment: 094	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	
1	6113 - Lowland Maple	High Density Log	161.5	92		big stand of mature maple.
2	6119 - Mixed Lowland Deciduous Forest	High Density Sapling	46.2	23		stand is a mix of e type and p type. east side of stand may be older.
4	6112 - Lowland Aspen	High Density Pole	22.0	82		pockets of tagalder
5	6112 - Lowland Aspen	High Density Sapling	46.3	23		pockets of tagalder.
6	6113 - Lowland Maple	High Density Sapling	40.8	35		pockets of tagalder.
7	6112 - Lowland Aspen	High Density Pole	55.5	34		pockets of tagalder. old kg stand.
8	6113 - Lowland Maple	High Density Pole	44.7	87		pockets of tagalder. se corner of stand has a lot of balsam fir in understory.
9	6120 - Lowland Cedar	High Density Log	5.6	87		
10	6113 - Lowland Maple	High Density Log	86.0	88		very wet. pockets of tagalder and drainages runs through stand.
11	6113 - Lowland Maple	Medium Density Log	58.2	92		lot of older blowdowns.
12	6112 - Lowland Aspen	High Density Sapling	29.7	27		
13	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	28.7	94		2 pockets of maple along river.
15	6112 - Lowland Aspen	High Density Pole	46.5	84		few pockets of tagalder. scattered oak.
16	6113 - Lowland Maple	High Density Log	55.4	92		low ground, big diameters. drainage runs through west side of stand.
17	6111 - Lowland Balsam Poplar	Low Density Pole	16.8	35		very wet, drainage runs through stand. poor regen.
18	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	97.2	86		poor quality timber.
19	6113 - Lowland Maple	High Density Log	22.3	86		tbr floodplain.



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Atlanta Mgt. Unit

5 – Forested Stands

Compartment: 094
Year of Entry: 2013

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	6113 - Lowland Maple	High Density Log	77.4	86		tbr floodplain, stand has standing water .
21	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	20.0	86		mixed lowland and upland. poor access off grade.
22	6113 - Lowland Maple	High Density Log	12.2	89		floodplain
23	6112 - Lowland Aspen	High Density Pole	29.1	38		
24	6113 - Lowland Maple	High Density Log	23.1	80		Floodplain. Balsam more to the north and looked a little higher ground than the south part of stand.
25	6113 - Lowland Maple	High Density Log	29.2	92		Floodplain
27	6113 - Lowland Maple	High Density Log	66.4	82		one pocket of higher ground, has aspen and balsam fir.
28	4133 - Aspen, Mixed Pine	High Density Log	42.2	81		no legal access to stand. if adjacent land owners ever harvest there property try to treat then.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	622 - Lowland Shrub	15.5	N/A	Unspecified	
14	122 - Road/Parking Lot	11.5	N/A	Unspecified	
26	50 - Water	11.2	N/A	Unspecified	
29	50 - Water	12.3	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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