



**ATLANTA FOREST MANAGEMENT UNIT**  
**COMPARTMENT REVIEW PRESENTATION**  
**COMPARTMENT 99 ENTRY YEAR: 2014**

**Compartment Acreage: 1254      County: Alpena**

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**Revision Date:** July 3, 2012

**Stand Examiner:** Darrick Coy

**Legal Description:** T31N R6E Sections 3, 10, 12, 13, and 23

**Management Area:** Alpena Lake Plain

**Management Goals:** To provide for the protection, integrated management and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan. Timber harvests prescribed will reserve and regenerate the older aspen age classes.

**Soil and Topography:** Soils are mostly sandy and muck with poorly to very poorly drainage. Dominating soil types are rifle peat and granby sands. Lowland conifer, specifically black spruce and white cedar, dominates the compartment. Overall, the topography is flat lowlands with a minor component of higher flat upland ridges. The compartment forest habitat types are mostly Unclassified Lowland and PARVCo.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Mostly state owned land, hunting clubs to west and north edge of the compartment. Farm land is to the adjacent south and the only state land bordering the compartment is to the adjacent east. The state owned parcel within sections 3 and 10 is completely surrounded by private lands. Land use within the compartment is primarily for hunting and snowmobiling along the Alpena to Hillman snowmobile trail.

**Unique, Natural Features:** Many vernal pools during time of inventory (see OFS layer) and some other undocumented or potential features may exist (see MNFI records/layer).

**Archeological, Historical, and Cultural Features:** High potential for occurrences exist along the Thunderbay River and land acquired in section 23.

**Special Management Designations or Considerations:** Portions of state forestland located within section 13 were previously designated as Special Conservation Areas (SCAs) for potential old growth. All previously designated SCA old growth stands that were non-forest or recently clearcut have been undesignated. Other forested stands had potential SCA old growth designations removed due to not meeting

criteria or having characteristics of an old growth forest. Management activities within all SCA stands are restricted and must follow Work Instruction 1.4 guidelines. Also, all management activities must follow Best Management Practice (BMP) guidelines when conducted within the areas that are significantly wet and adjacent to the Thunder Bay River.

Cedar blocks have been cut in the past to provide emergency deer feed but are now mostly lowland spruce and aspen types. Cedar regeneration from cuts has proved to be difficult and will be difficult due to high deer browse. Fairly heavy browse has also been observed in aspen clearcut within NWSW of section 13. Any cuts proposed in the future must take measures to mitigate their impact on regeneration.

**Watershed and Fisheries Considerations:** Thunder Bay River and Bean Creek.

**Wildlife Habitat Considerations:** Compartment 99 is dominated by balsam poplar, aspen, and cedar with the Thunder Bay River and Bean Creek associations. There are several vernal ponds in this compartment which should be buffered if treatments occur within those stands. Featured species found in the compartment include white-tailed deer, black bear, ruffed grouse, and American woodcock. Treatment in aspen on the northern portion of the compartment will create early-successional habitats which will benefit grouse, woodcock and potentially golden-winged warbler. There is potential to burn or otherwise maintain some small openings within this compartment for the benefit of deer and songbirds.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of lacustrine (lake) sand and gravel and minor dune sand and coarse-textured glacial till. There is an esker in the southern portion of the compartment. The glacial drift thickness varies between 0 and 10 feet. Beneath the glacial drift are the Devonian Antrim Shale and Traverse Group. The Antrim and Traverse are quarried for limestone and cement products to the west. A gravel pit is located in the compartment in Section 12. The potential on State land appears to be good on upland areas. This area has had no drilling for oil and gas. The Antrim Shale is pinching out in this area. There are oil and gas leases in the Sections 12 and 13.

**Vehicle Access:** Access to the compartment is good using two-tracks off of Herron Rd. Some access two-tracks will need to be repaired where conditions become excessively wet (see OFS layer) before any logging activities begin. Trash dumping within the compartment was surprisingly minimal (see OFS layer).

**Survey Needs:** Possibly may need a corner put in for the NW ¼ corner, SESW, section 13.

**Recreational Facilities and Opportunities:** Recreation within the compartment is primarily deer and bird hunting and snowmobiling along the Alpena to Hillman snowmobile trail.

**Fire Protection:** Atlanta DNR office

**Additional Compartment Information:**

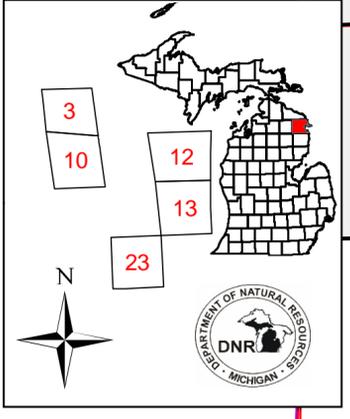
- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
  - ◆ **Cover Type by Age Class**

- ◆ **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**

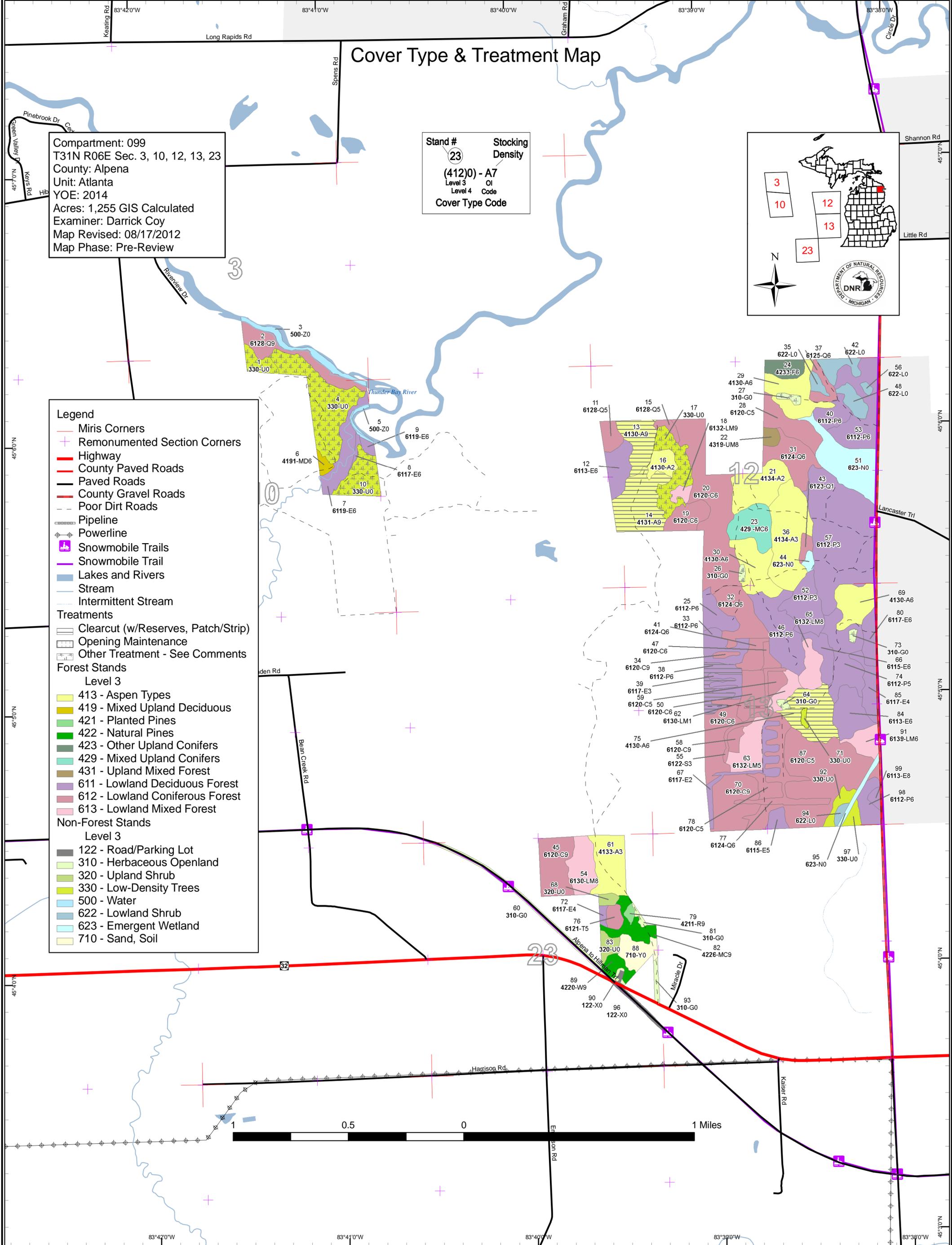
# Cover Type & Treatment Map

Compartment: 099  
 T31N R06E Sec. 3, 10, 12, 13, 23  
 County: Alpena  
 Unit: Atlanta  
 YOY: 2014  
 Acres: 1,255 GIS Calculated  
 Examiner: Darrick Coy  
 Map Revised: 08/17/2012  
 Map Phase: Pre-Review

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



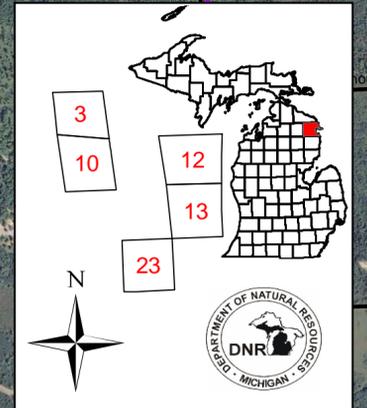
- Legend**
- Miris Corners
  - Remonumented Section Corners
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Poor Dirt Roads
  - Pipeline
  - Powerline
  - Snowmobile Trails
  - Snowmobile Trail
  - Lakes and Rivers
  - Stream
  - Intermittent Stream
- Treatments**
- Clearcut (w/Reserves, Patch/Strip)
  - Opening Maintenance
  - Other Treatment - See Comments
- Forest Stands**
- Level 3
- 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 422 - Natural Pines
  - 423 - Other Upland Conifers
  - 429 - Mixed Upland Conifers
  - 431 - Upland Mixed Forest
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3
- 122 - Road/Parking Lot
  - 310 - Herbaceous Openland
  - 320 - Upland Shrub
  - 330 - Low-Density Trees
  - 500 - Water
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland
  - 710 - Sand, Soil



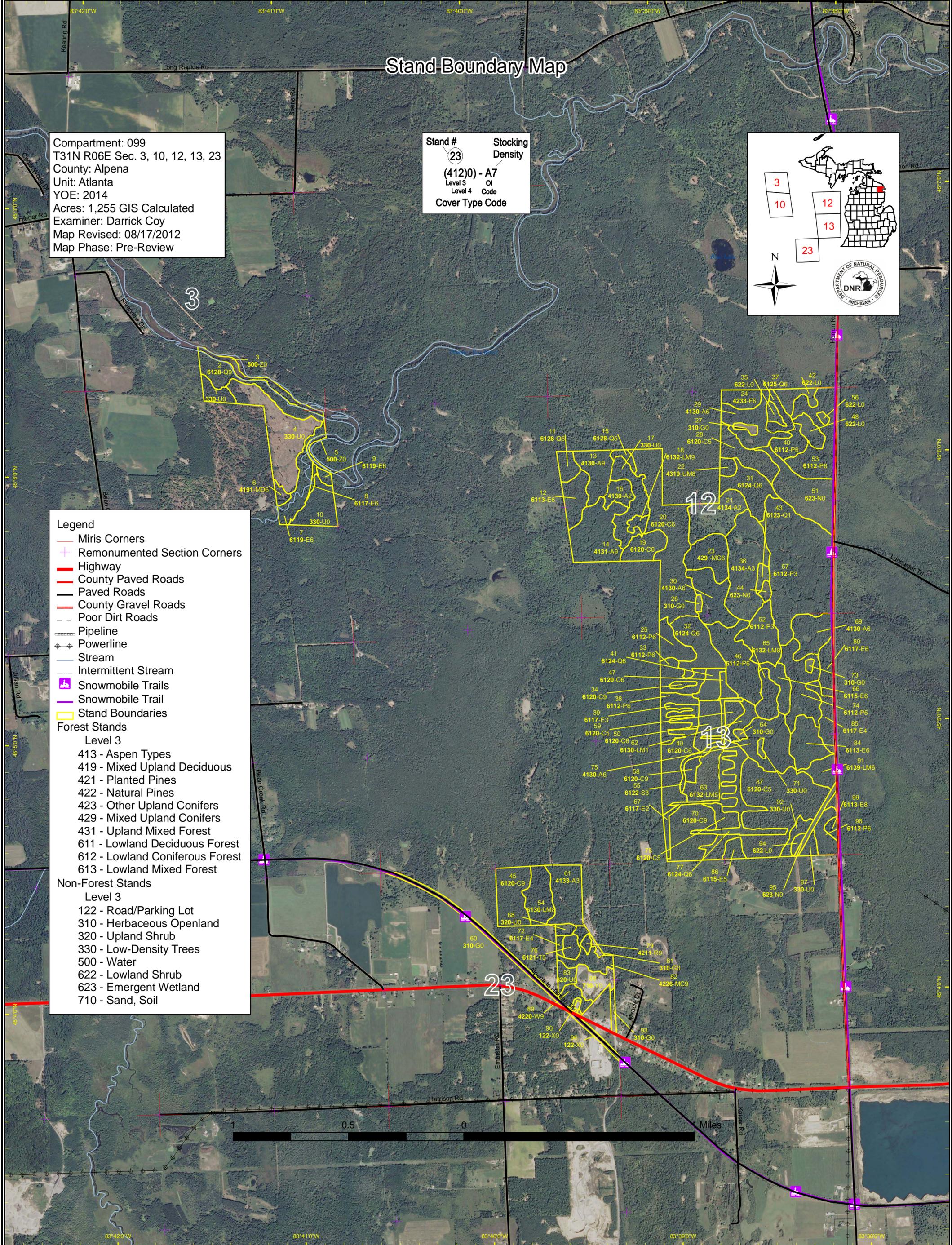
# Stand Boundary Map

Compartment: 099  
 T31N R06E Sec. 3, 10, 12, 13, 23  
 County: Alpena  
 Unit: Atlanta  
 YOY: 2014  
 Acres: 1,255 GIS Calculated  
 Examiner: Darrick Coy  
 Map Revised: 08/17/2012  
 Map Phase: Pre-Review

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



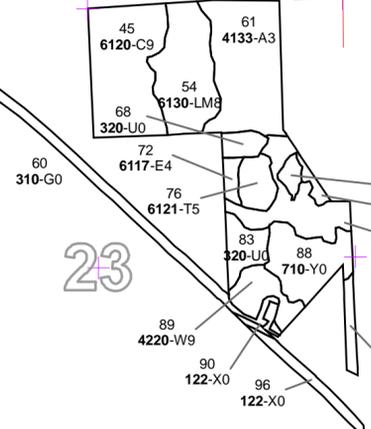
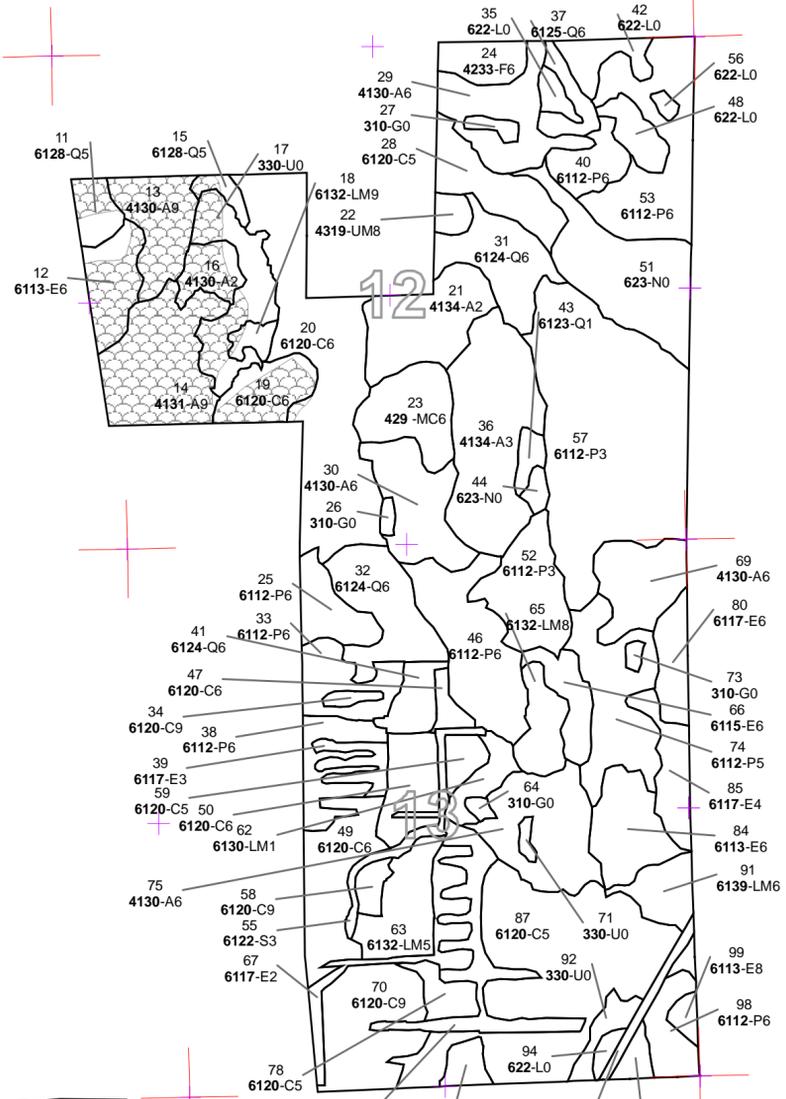
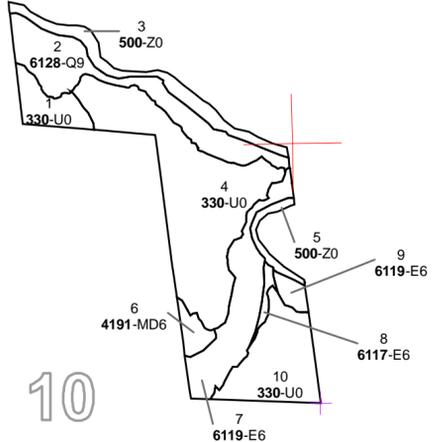
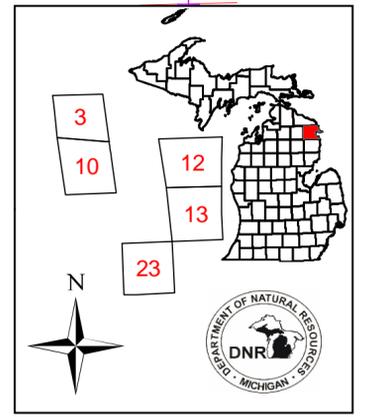
- Legend**
- Miris Corners
  - + Remonumented Section Corners
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - - Poor Dirt Roads
  - Pipeline
  - Powerline
  - Stream
  - Intermittent Stream
  - Snowmobile Trails
  - Snowmobile Trail
  - Stand Boundaries
- Forest Stands**
- Level 3
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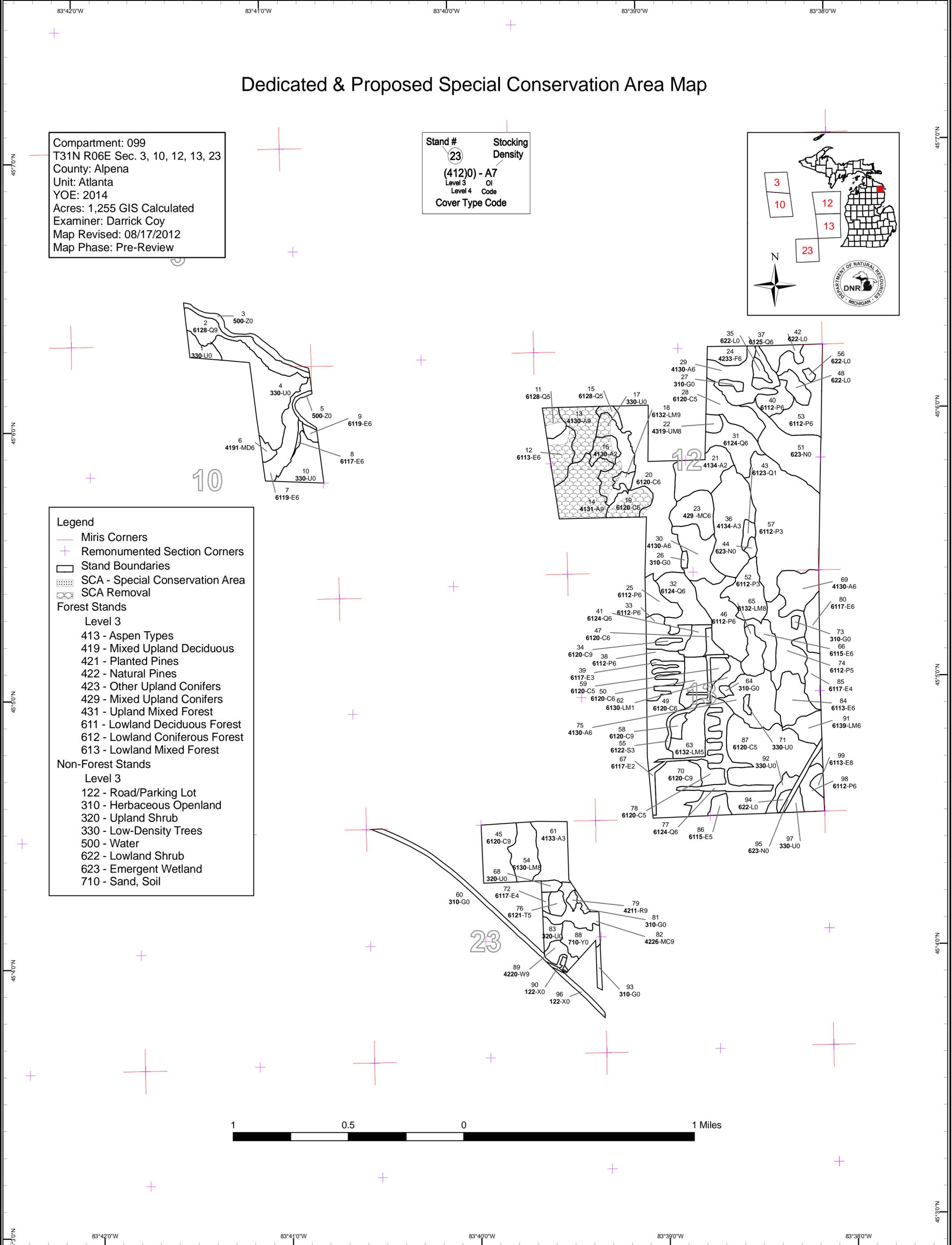
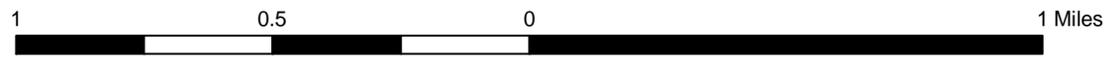
# Dedicated & Proposed Special Conservation Area Map

Compartment: 099  
 T31N R06E Sec. 3, 10, 12, 13, 23  
 County: Alpena  
 Unit: Atlanta  
 YOE: 2014  
 Acres: 1,255 GIS Calculated  
 Examiner: Darrick Coy  
 Map Revised: 08/17/2012  
 Map Phase: Pre-Review

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



- Legend**
- Miris Corners
  - + Remonumented Section Corners
  - Stand Boundaries
  - ▨ SCA - Special Conservation Area
  - ▩ SCA Removal
- Forest Stands**
- Level 3
- 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 422 - Natural Pines
  - 423 - Other Upland Conifers
  - 429 - Mixed Upland Conifers
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  - 710 - Sand, Soil



**Table 1 – Total Acres by Cover Type and Age Class**



	Age Class														Total
	0-9	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	7	63	22	20	37	26	0	47	0	0	0	0	0	0	222
Cedar	0	0	0	0	0	0	0	0	47	22	3	146	33	6	258
Herbaceous Openland	21	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Low-Density Trees	92	0	0	0	0	0	0	0	0	0	0	0	0	0	92
Lowland Aspen/Balsam Poplar	0	0	104	0	71	59	0	9	0	0	0	0	0	0	243
Lowland Conifers	0	3	0	0	40	13	19	19	6	3	0	0	0	0	103
Lowland Deciduous	0	0	18	0	17	39	1	2	18	9	0	0	0	0	104
Lowland Mixed Forest	0	0	0	6	0	16	0	0	0	12	16	10	0	0	60
Lowland Shrub	20	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Lowland Spruce/Fir	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Marsh	38	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	11	0	0	0	0	11
Red Pine	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
Sand, Soil	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Tamarack	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4
Upland Conifers	0	0	0	17	0	0	0	0	0	0	0	0	0	0	17
Upland Mixed Forest	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
Upland Shrub	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Upland Spruce/Fir	0	0	0	0	8	0	0	0	0	0	0	0	0	0	8
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10
White Pine	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6
<b>Total</b>	<b>212</b>	<b>66</b>	<b>145</b>	<b>50</b>	<b>176</b>	<b>152</b>	<b>20</b>	<b>85</b>	<b>76</b>	<b>57</b>	<b>19</b>	<b>156</b>	<b>33</b>	<b>6</b>	<b>1255</b>



## Table 2 – Proposed Treatment Summaries

**Atlanta Mgt. Unit**  
**Year of Entry 2014**

**Compartment 099**  
**Total Compartment Acres: 1255**

### Acres by Treatment Type

Commercial Harvest - 84	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 83
Habitat Cut - 0	Opening Maintenance - 7	Tree Seeding - 0	Pesticide - 0	

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
<b>Aspen</b>	72	0	0	0	0	0	72
<b>Lowland Aspen/Balsam Poplar</b>	12	0	0	0	0	0	12
<b>Total</b>	84	0	0	0	0	0	84



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
	<b>54099013-Cut</b>	16.2					Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> -clearcut										
<u>Specs:</u> -leave 1-2 oak/acre -protect WP saplings in specs -retention pockets 5-10%										
<u>Other</u> -access is only through private										
<u>Comments:</u> -harvested now while aspen are still vigorous to compete with deer browsing										
<u>Next</u> -regen survey in 3-5 years										
<u>Steps:</u> -aspen, oak, and pine regeneration of medium to well stocking is expected										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
<b>14</b>	<b>54099014-Cut</b>	30.3	4131 - Aspen, Oak	High Density Log	71	51-80	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> -clearcut										
<u>Specs:</u> -leave 1-3 oak/acre (mark more mast oak to leave in southern 1/3rd of treatment area or leave as a retention pocket) -3-7% area in retention pocket(s) -protect WP saplings in specs										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> -regen survey in 3-5 years										
<u>Steps:</u> -aspen, oak, and pine regeneration of medium to well stocking is expected										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
<b>38</b>	<b>54099038-Cut</b>	12.2	6112 - Lowland Aspen	High Density Pole	58		Harvest	Clearcut	6112 - Lowland Aspen	Cmpt. Review Proposal
<u>Prescription</u> -clearcut										
<u>Specs:</u> -no retention due to size and shape for wildlife habitat improvement -restrict harvest operation to outside of Spring to avoid rutting -suggest accessing treatment using old skid trail to the east and using grass opening for a landing										
<u>Other</u> -strip cuts improved habitat for small game, would like to maintain these cuts created in the past										
<u>Comments:</u>										
<u>Next</u> -aspen regeneration of medium to well stocking is expected										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
<b>75</b>	<b>54099075-Cut</b>	25.6	4130 - Aspen	High Density Pole	51		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> -clearcut										
<u>Specs:</u> -protect vernal pool(s) ( see OFS) with retention pocket(s) 3-10% treatment area with at least 2 chain buffering -leave all cedar -use vernal pool spec -protect culvert (see OFS) in specs -cut outside of spring										
<u>Other</u> -access two-track to the north needs fill/repair and possibly additional culverts and/or cobble in low spots to avoid damaging drainageways										
<u>Comments:</u> -majority of stand is upland with lowland access										
<u>Next</u> -aspen regeneration of medium to well stocking is expected										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
26	NF_54099026- NonFor	1.2	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through burning, mowing and/or planting to food and cover crops for wildlife.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year or shorter rotation										
<u>Proposed Start Date:</u> Unspecified										
27	NF_54099027- NonFor	2.0	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through burning, mowing and/or planting to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Proposed Start Date:</u> Unspecified										
64	NF_54099064- NonFor	1.2	310 - Herbaceous Openland				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 Comments:</u> Road is in bad shape										
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Proposed Start Date:</u> Unspecified										
71	NF_54099071- NonFor	1.2	3302 - Low Density Conifer Trees				Non-Forest Management	Brush Cutting	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Remove brush using mechanical methods or burning										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Maintain as opening through mowing and/or planting to food and cover crops for wildlife										
<u>Proposed Start Date:</u> Unspecified										
73	NF_54099073- NonFor	1.1	3103 - Rubus-Fern				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain as opening through burning, mowing and/or planting to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Monitor for cover type and perform opening maintenance on 5-10 year rotation										
<u>Proposed Start Date:</u> Unspecified										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	NF_54099001- Regen Survey	6.2	3302 - Low Density Conifer Trees				Other	Unspecified	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> -regen survey 3-5 years from harvest completion <u>Specs:</u> -will accept medium to well stocking of any mix of conifer, aspen, and red maple <u>Other</u> -stand was clearcut Fall of 2010 <u>Comments:</u> <u>Next</u> -if necessary, establish regeneration for areas of low stocking using artificial means <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> Unspecified										
4	NF_54099004- Regen Survey	40.9	3301 - Low Density Deciduous Trees				Other	Unspecified	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal
<u>Prescription</u> -regen survey 3-5 years from harvest completion <u>Specs:</u> -will accept medium to well stocking of any mix of conifer, aspen, and red maple <u>Other</u> -stand was clearcut Fall of 2010 <u>Comments:</u> <u>Next</u> -if necessary, establish regeneration for areas of low stocking using artificial means <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> Unspecified										
10	NF_54099010- Regen Survey	16.5	3301 - Low Density Deciduous Trees				Other	Unspecified	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<u>Prescription</u> -regen survey 3-5 years from harvest completion <u>Specs:</u> -will accept medium to well stocking of any mix of conifer, aspen, and red maple <u>Other</u> -stand was clearcut Summer of 2011 <u>Comments:</u> <u>Next</u> -if necessary, establish regeneration for areas of low stocking using artificial means <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> Unspecified										
17	NF_54099017 _RegenSurve y	18.9	3301 - Low Density Deciduous Trees				Other	Unspecified	4319 - Mixed Upland Forest	Cmpt. Review Proposal
<u>Prescription</u> -regen survey 3-5 years from harvest completion <u>Specs:</u> -will accept medium to well stocking of any mix of conifer, aspen, and red maple <u>Other</u> -stand was clearcut in winter of 2010/11 <u>Comments:</u> <u>Next</u> -if necessary, establish regeneration for areas of low stocking using artificial means <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> Unspecified										
<b>Total Treatment Acreage Proposed:</b>		<b>173.6</b>								

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Error

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Error

Limiting Factor and No  
Treatment Reason

**Total Treatment**  
**Acreage Proposed: 0**

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

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
<b>54002031-N-CCR Burn/Scarify</b>	2.9	42220 - Natural Jack Pine	High Density Pole	69		Harvest	Clearcut with Reserves	42121 - Planted Jack Pine, Mixed Deciduous	Cmpt. Review Proposal - Incomplete

Prescription Do not cut red pine, white pine, oak. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.

Other Comments:

Next Steps: Post harvest: if this treatment falls inside of a BSA, then burn or scarify before planting jack pine. When planting, attempt to avoid the use of trenching. If the treatment is not inside a BSA, plant jack pine.

Proposed Start Date: 10/01/2010

<b>54002031-N-CCR Burn/Scarify</b>	2.9	42220 - Natural Jack Pine	High Density Pole	69		Harvest	Clearcut with Reserves	42121 - Planted Jack Pine, Mixed Deciduous	Cmpt. Review Proposal - Incomplete
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Prescription Do not cut red pine, white pine, oak. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Retain 3 to 10 percent of stand area in one or more patches. Location(s) will be determined during sale prep and will be representative of the stand's species mix as a whole.

Other Comments:

Next Steps: Post harvest: if this treatment falls inside of a BSA, then burn or scarify before planting jack pine. When planting, attempt to avoid the use of trenching. If the treatment is not inside a BSA, plant jack pine.

Proposed Start Date: 10/01/2010

**Total Treatment  
Acreage Proposed: 5.8**

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## Atlanta Mgt. Unit

## 5 – Forested Stands

Compartment: 099

Year of Entry: 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	19.1	77		-FLOODPLAIN, CABINS ON N SIDE OF RIVER, DEAD ELM
6	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	2.7	88		-possibly left as retention for north aspen treatment, however, it is not shown as retention on sale map
7	6119 - Mixed Lowland Deciduous Forest	High Density Pole	15.7	82		-CREEK BOTTOM
8	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	1.3	64		-stand was left as retention for E5 stand to the south that was clearcut
9	6119 - Mixed Lowland Deciduous Forest	High Density Pole	2.1	82		
11	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	6.2	87	1-50	-wp have fire scars -south half is mostly tag alder and tamarack, lumped stand into one type as mixed conifer
12	6113 - Lowland Maple	High Density Pole	12.5	48	51-80	
13	4130 - Aspen	High Density Log	16.2	71		
14	4131 - Aspen, Oak	High Density Log	30.3	71	51-80	
15	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	2.8	97		
16	4130 - Aspen	Medium Density	7.4	1		-high density pocket of aspen that regenerated -HEAVY DEER BROWSE
18	6132 - Mixed Lowland Forest with Cedar	High Density Log	3.1	97		-retention left from adj cut
19	6120 - Lowland Cedar	High Density Pole	11.8	117	171-200	New stand added. -high density pole cedar stand, good quality poles with only 1/6-1/7 live crown not much growth -no subcanopy -feather moss 15% coverage
20	6120 - Lowland Cedar	High Density Pole	59.1	113	81-110	-wet, HEAVY DEER USE -variable cedar stand, more open, not as pure as the adjacent cedar stand to the west -40-50% feather moss coverage
21	4134 - Aspen, Spruce/Fir	Medium Density	22.9	17		
22	4319 - Mixed Upland Forest	Medium Density Log	3.3	76	1-50	

S t a n d	Atlanta Mgt. Unit		5 – Forested Stands			Compartment: 099	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
23	429 - Mixed Upland Conifers	High Density Pole	17.3	39	51-80		
24	42330 - Upland Fir	High Density Pole	8.0	46			-heavy to balsam
25	6112 - Lowland Aspen	High Density Pole	10.4	40			
28	6120 - Lowland Cedar	Medium Density Pole	16.0	144			-growth fairly stagnant/tight rings -trees growing on hummocks
29	4130 - Aspen	High Density Pole	19.8	46			
30	4130 - Aspen	High Density Pole	19.9	39			
31	6124 - Lowland Spruce- Fir	High Density Pole	18.8	65	51-80		
32	6124 - Lowland Spruce- Fir	High Density Pole	20.8	40			-stick to pathways to get through stand
33	6112 - Lowland Aspen	High Density Pole	12.2	51			
34	6120 - Lowland Cedar	High Density Log	1.7	115	111-140		New stand added.
36	4134 - Aspen, Spruce/Fir	High Density Sapling	40.4	17			-stand treated same year as adj stand above, broken out due to having a higher density -tag alder pockets within some areas, overall still upland
37	6125 - Lowland Black Spruce, Jack Pine	High Density Pole	5.8	53	1-50		-mostly black spruce to sw leg and jp along east n-s leg -jp growing on narrow ridgetop -two-track bisects jp to east
38	6112 - Lowland Aspen	High Density Pole	12.2	58			-it appears this stand is 10 years older than adjacent aspen stand to the north- imagery & average bole size looks different as well
39	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	5.9	29			-some younger aspen strip cuts
40	6112 - Lowland Aspen	High Density Pole	9.1	79			-intermittent stream bisects stand (see OFS PT), area was assumed left as buffer for that purpose
41	6124 - Lowland Spruce- Fir	High Density Pole	7.4	51			-stick to pathways to get through stand -stand is wet with fairly stagnant growth due to higher water table
43	6123 - Lowland Fir	Low Density Sapling	3.1	16			-rather open grown pine



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## Atlanta Mgt. Unit

## 5 – Forested Stands

Compartment: 099  
Year of Entry: 2014

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
45	6120 - Lowland Cedar	High Density Log	21.9	97	111-140	-progressively higher density from se to nw -most cedar within NW corner of stand
46	6112 - Lowland Aspen	High Density Pole	28.9	48		
47	6120 - Lowland Cedar	High Density Pole	3.2	112		-LOTS OF DOWN CEDAR, HARD TO WALK THROUGH -WET -stand was left behind/not treated from previous cutting
49	6120 - Lowland Cedar	High Density Pole	21.4	85	141-170	-heavy deer use -open subcaopy
50	6120 - Lowland Cedar	High Density Pole	12.6	125	81-110	
52	6112 - Lowland Aspen	High Density Sapling	19.6	24		-vigorous qa growth/high density
53	6112 - Lowland Aspen	High Density Pole	31.6	42		New stand added.
54	6130 - Fir, Aspen, Maple	Medium Density Log	16.1	51		-good species diversity, stand being heavily used by wildlife, multiple vernal pools located
55	6122 - Black Spruce	High Density Sapling	6.7	30		-narrow strip cut out between cedar stands, no cedar regen
57	6112 - Lowland Aspen	High Density Sapling	84.7	24		-pockets of small lowland shrub and conifer mixed throughout, primarily aspen
58	6120 - Lowland Cedar	High Density Log	3.5	103	111-140	-more open cedar with larger diameters and crowns
59	6120 - Lowland Cedar	Medium Density Pole	4.4	125	51-80	-fair amount of down cedar -size class reduces from w to east as conditions become increasingly wet -most trees growing on hummocks -cedar crowns are diminishing, stagnant growth
61	4133 - Aspen, Mixed Pine	High Density Sapling	22.2	28		-fair amount of mast oak and wp saps developing under oak
62	6130 - Fir, Aspen, Maple	Low Density Sapling	6.4	36		-very wet, transitional stand (forest-low-shrub)
63	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	15.8	103	51-80	-most trees growing on hummocks -aspen dying out due to extreme age -VERY WET -cedar declining/weak crowns -grasses coming in under residual trees within north half of stand

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## Atlanta Mgt. Unit

## 5 – Forested Stands

Compartment: 099  
Year of Entry: 2014

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
65	6132 - Mixed Lowland Forest with Cedar	Medium Density Log	9.7	115		-scattered log aspen and cedar -age taken from cedar, aspen too old/never been cut -a lot of snags and down wood due to aspen mortality
66	6115 - Lowland Ash	High Density Pole	8.9	93	1-50	-ash in 4-10 inches standing water -swamp
67	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density	12.5	22		-some pockets of just tag alder
69	4130 - Aspen	High Density Pole	16.9	49		
70	6120 - Lowland Cedar	High Density Log	26.1	81	171-200	-high density -straight good timber quality cedar -high moss ground coverage in areas with weak/declining Cedar crowns (33% of stand area), bare ground in high density areas (66%) -high deer browsing in area
72	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Pole	1.7	79		
74	6112 - Lowland Aspen	Medium Density Pole	25.5	50	51-80	-density, wetness, and RM occurrence increases as heading n to s -4-10 inches standing water in southern half, most trees growing on hummocks -highly variable stand due to irregular drainage (size class and density)
75	4130 - Aspen	High Density Pole	25.6	51		-majority of stand is upland
76	6121 - Tamarack	Medium Density Pole	4.2	42		
77	6124 - Lowland Spruce-Fir	High Density Pole	18.8	40		
78	6120 - Lowland Cedar	Medium Density Pole	5.9	Uneven Age	111-140	-oldest cedar in compartment -VERY WEAK CEDAR CROWNS -a lot of down cedar, appear not to be from windthrow -for stand age split age of two cedar trees bored (186 & 97)
79	42110 - Planted Red Pine	High Density Log	1.6	82	141-170	-good quality rp -small stand with good volume -only 1/7th-1/8th live crown -rp growth has slowed significantly due to lack of intermediate thinnings
80	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	8.9	50		

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## Atlanta Mgt. Unit

## 5 – Forested Stands

Compartment: 099  
Year of Entry: 2014

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
82	42260 - Natural Pine, Mixed Deciduous	High Density Log	11.0	91	51-80	steep
84	6113 - Lowland Maple	High Density Pole	16.8	51	51-80	-most trees growing on hummocks
85	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Pole	10.6	50	1-50	-more open stand with more stagnant growth due to extreme wetness, highly variable density, pockets of higher ground occur but are a rarity -fair amount of tag alder
86	6115 - Lowland Ash	Medium Density Pole	4.2	49	1-50	-TAG ALDER!!
87	6120 - Lowland Cedar	Medium Density Pole	70.3	117	111-140	-60-70% coverage of feather moss -fair amount of cedar blow-down in southern-most portion of stand -more cedar logs to nw portion of stand and poles to east where soil moisture conditions are increasingly more saturated
89	42200 - Natural White Pine	High Density Log	5.7	77	51-80	-scotch pine and autumn olive exist -poor quality pine
91	6139 - Mixed Lowland Forest	High Density Pole	8.9	95	81-110	
98	6112 - Lowland Aspen	High Density Pole	8.8	51	81-110	-fairly dense aspen stand -deer browse heavy on dogwood
99	6113 - Lowland Maple	Medium Density Log	2.5	57	51-80	-small intermittent drainage flows e-w through stand -pure maple stand, fairly low density



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	3302 - Low Density Conifer Trees	6.2	Yes	Lowland Conifers	
3	50 - Water	8.2	No	Unspecified	
4	3301 - Low Density Deciduous Tree	40.9	Yes	Aspen	
5	50 - Water	2.2	No	Unspecified	
10	3301 - Low Density Deciduous Tree	16.5	Yes	Lowland Deciduous	
17	3301 - Low Density Deciduous Tree	18.9	Yes	High (NonForested)	
26	310 - Herbaceous Openland	1.2	No	Unspecified	
27	310 - Herbaceous Openland	2.0	No	Unspecified	
35	622 - Lowland Shrub	3.0	No	Unspecified	
42	622 - Lowland Shrub	7.2	No	Unspecified	
44	6230 - Cattail	2.1	No	Unspecified	-wetland -mostly cattail
48	622 - Lowland Shrub	6.7	No	Unspecified	
51	623 - Emergent Wetland	32.1	No	Unspecified	alder, cattails, and scattered cedar along edges
56	622 - Lowland Shrub	1.2	No	Unspecified	
60	310 - Herbaceous Openland	12.3	No	Unspecified	-snowmobile rail trail
64	310 - Herbaceous Openland	1.2	No	Unspecified	
68	3202 - Autumn Olive/Honeysuckle	2.5	No	Low (NonForested)	-remove autumn olive -not too dense to walk through
71	3302 - Low Density Conifer Trees	1.2	No	Low (NonForested)	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
73	3103 - Rubus-Fern	1.1	No	Low (NonForested)	OI- Excellent opening in need of work. Plant food and cover crops -a lot of raspberry in opening
81	310 - Herbaceous Openland	1.3	No	Unspecified	
83	3202 - Autumn Olive/Honeysuckle	4.8	No	Unspecified	Was part of the gravel pit. -full coverage of autumn olive -too dense to walk through -scattered pine
88	710 - Sand, Soil	11.1	No	Low (NonForested)	OI- Gravel pit. Plant Red pine. -clay sandy soil with erosion and some small gullies -leave unmanaged, sediment deposits are not affecting any water bodies
90	122 - Road/Parking Lot	1.1	N/A	Unspecified	
92	3302 - Low Density Conifer Trees	4.9	No	Unspecified	-non-forest -lowland- low density lowland conifer -scattered black spruce and balsam fir -full coverage of tag alder
93	310 - Herbaceous Openland	2.3	No	Unspecified	
94	6220 - Alder/willow	1.9	No	Low (NonForested)	
95	6239 - Mixed Emergent Wetland	3.9	No	Unspecified	
96	122 - Road/Parking Lot	3.4	No	Unspecified	
97	3301 - Low Density Deciduous Tree	3.2	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
16	SCA Removal	SCA Old Growth Removal- Aspen	6.0	<p>Records &amp; Observations:</p> <ul style="list-style-type: none"> <li>-Stand was clearcut in winter of 2010/11 (54-007-11-02 "Thick Fir")</li> <li>-No occurrences but potential occurrences for rare, threatened, and endangered species on file for stands included</li> </ul> <p>Suggested Management:</p> <ul style="list-style-type: none"> <li>-Remove SCA designation as potential old growth forest</li> <li>-Manage stand for future timber harvest</li> </ul>
14	SCA Removal	SCA Old Growth Removal- Aspen, Oak	46.4	<p>Landscape AOI (Actual AOI is larger than parent stand listed)</p> <p>Records &amp; Observations:</p> <ul style="list-style-type: none"> <li>-No past cutting documented for area</li> <li>-No occurrences but potential occurrences for rare, threatened, and endangered species on file for stands included</li> <li>-Forested area is high density aspen and oak (sub-canopy is sparsely occupied by white pine and balsam fir)</li> <li>-Aspen is not considered as an old growth forest community using WI 1.4 old growth type 1 and 2 classifications</li> </ul> <p>Suggested Management:</p> <ul style="list-style-type: none"> <li>-Remove SCA designation as potential old growth forest</li> <li>-Manage forested area for future timber harvest while aspen are still fairly vigorous to compete with expected heavy deer browse upon harvest completion. Protect any rare, threatened, and endangered species located during inventory or timber sale preparation. (Aspen is a short-lived species and old growth designation would be more applicable if management was looking to let it convert to another covertime over time.)</li> </ul>
19	SCA Removal	SCA Old Growth Removal- Lowland Cedar	9.5	<p>Landscape AOI (Actual AOI is smaller than parent stand listed)</p> <p>Records &amp; Observations:</p> <ul style="list-style-type: none"> <li>-No past cutting documented for area</li> <li>-No occurrences but potential occurrences for rare, threatened, and endangered species on file for stands included</li> <li>-Forested area is high density cedar</li> <li>-Cedar does not meet minimum age or size criteria as an old growth forest community according to WI 1.4 old growth type 1 and 2 classifications</li> </ul> <p>Suggested Management:</p> <ul style="list-style-type: none"> <li>-Remove SCA designation as potential old growth forest</li> <li>-Leave untreated due to regeneration concern with heavy deer browse expected, windthrow risk, and poorly developed cedar crowns (due to high density).</li> <li>-Let stand develop undisturbed</li> <li>(No unique features in this stand exist and sub-canopy is not occupied.)</li> </ul>



## 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
11	SCA Removal	SCA Old Growth Removal- Lowland Conifer, Mixed Deciduous	4.3	<p>Landscape/Multipoly AOI (Actual AOI is larger than parent stand listed)</p> <p>Records &amp; Observations:</p> <ul style="list-style-type: none"> <li>-No past cutting documented for area</li> <li>-No occurrences but potential occurrences for rare, threatened, and endangered species on file for stand included</li> <li>-Stand is primarily lowland conifer (subcanopy is moderately occupied by tag alder and balsam fir)</li> <li>-Stand does not meet minimum size or age criteria as old growth forest community according to WI 1.4 old growth type 1 and 2 classifications</li> </ul> <p>Suggested Management:</p> <ul style="list-style-type: none"> <li>-Remove SCA designation as potential old growth forest</li> <li>-Leave untreated due to small size of area, species/size class variability, and wetness</li> </ul>
12	SCA Removal	SCA Old Growth Removal- Lowland Maple	10.1	<p>Records &amp; Observations:</p> <ul style="list-style-type: none"> <li>-No past cutting documented for area but it was clearcut 50 years ago</li> <li>-No occurrences but potential occurrences for rare, threatened, and endangered species on file for stand included</li> <li>-Stand is primarily lowland maple (sub-canopy is moderately occupied with balsam fir and tag alder)</li> <li>-Stand does not meet minimum size or age criteria as old growth forest community according to WI 1.4 old growth type 1 and 2 classifications</li> </ul> <p>Suggested Management:</p> <ul style="list-style-type: none"> <li>-Remove SCA designation as potential old growth forest</li> <li>-Manage for future timber harvest</li> </ul>
18	SCA Removal	SCA Old Growth Removal- Mixed Lowland Forest with Cedar	0.5	<p>Records &amp; Observations:</p> <ul style="list-style-type: none"> <li>-No past cutting documented for stand</li> <li>-No occurrences but potential occurrences for rare, threatened, and endangered species on file for stand included</li> <li>-Stand is mixed lowland forest (sub-canopy is moderately occupied with tag alder)</li> <li>-Area does not meet minimum acreage, size, or age criteria as old growth forest community according to WI 1.4 old growth type 1 and 2 classifications</li> </ul> <p>Suggested Management:</p> <ul style="list-style-type: none"> <li>-Remove SCA designation as potential old growth forest</li> <li>-Leave untreated due to small size of area, species/size class variability, and wetness (area is part of what was left as retention for adjacent clearcut)</li> </ul>



## 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
17	SCA Removal	SCA Old Growth Removal- Non-forested (regenerating/past cc)	8.6	<p>Landscape/Multipoly AOI (Actual AOI is smaller than parent stand listed)</p> <p>Records &amp; Observations:            -Stand was clearcut in winter of 2010/11 (54-007-11-02 "Thick Fir")            -No occurrences but potential occurrences for rare, threatened, and endangered species on file for stand included</p> <p>Suggested Management:            -Remove SCA designation as potential old growth forest            -Manage stand for future timber harvest when natural regeneration improves and develops</p>



### 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

<b>Conservation Area</b>	<b>Type</b>	<b>Description</b>
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