



**ATLANTA FOREST MANAGEMENT UNIT**  
**COMPARTMENT REVIEW PRESENTATION**  
**COMPARTMENT 086 ENTRY YEAR: 2012**

**Compartment Acreage: 963      County: Alpena**

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**Revision Date:** October 26, 2010

**Stand Examiner:** Barber

**Legal Description:** T30N, R6E, Sec. 8, 21, 28 & 33

**RMU (if applicable):** Alpena Lake Plain

**Management Goals:** ORV restoration, promote oak and hardwood on better quality sites.

**Soil and Topography:** PArVHa/PArVVb, PVCd, AFO,

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Immediate neighbors are mostly hunting lands. Surrounding area in mostly farms.

**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:** No special considerations exist for this compartment.

**Wildlife Habitat Considerations:** This compartment is dominated by aspen and aspen-oak mixed forest. Several small bogs are found in pockets within the compartment. Openings adjacent to forest provide valuable habitat for deer and turkey. Species present in this compartment include white-tailed deer, ruffed grouse, turkey, wood duck, beaver, raccoon, coyote, pileated woodpecker, screech owl, northern flicker, yellow-bellied sapsucker, and several amphibian species including wood frog and spring peeper. The area has high deer populations and is within the Deer Management Unit 452 (Core bovine Tuberculosis area). Proposed aspen harvest will provide deer with an additional food source, pulling them from the adjacent agricultural land and potentially reducing pressure on those lands. The proposed harvest will also result in increased food and cover available for grouse and woodcock as well as others dependent on early-successional forests (e.g. chestnut-sided warbler, indigo bunting, and long-tailed weasel).

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of coarse-textured glacial till. The glacial drift thickness varies between 100 and 400 feet. Beneath the glacial drift is the Devonian Antrim Shale. There is no known economic use for the Antrim Shale. Several gravel pits are located in the compartment, both to the north and to the south and potential is considered good. This area has been drilled and produces gas from the Antrim Shale.

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

**Survey Needs:** None.

**Recreational Facilities and Opportunities:** Hunting is the most popular activity.

**Fire Protection:** Adequate.

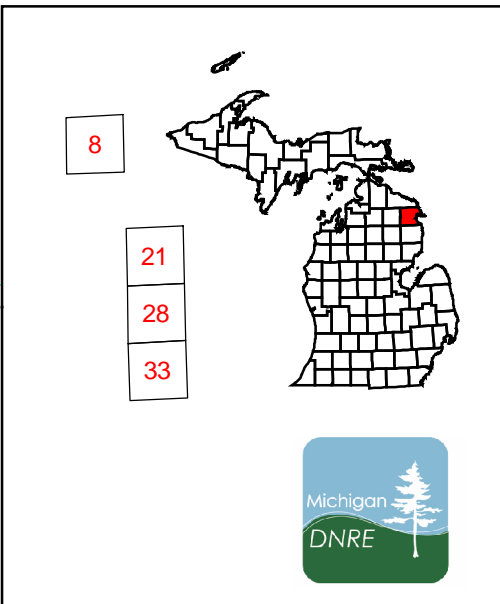
**Additional Compartment Information:**

- **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 86  
T30N, R06E, Sec. 8, 21, 28 & 33  
County: Alpena  
Unit: Atlanta  
YOE: 2012  
Acres: 963 GIS Calculated  
Stand Examiner: Richard Barber  
Map Revised: 8/16/2010  
Map Phase: Pre-Review



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

**Legend**

- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Pipeline
- Powerline
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Gas Well

**Treatments**

- Clearcut (w/Reserves, Patch/Strip)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)
- Other Treatment - See Comments

**Forest Stands**

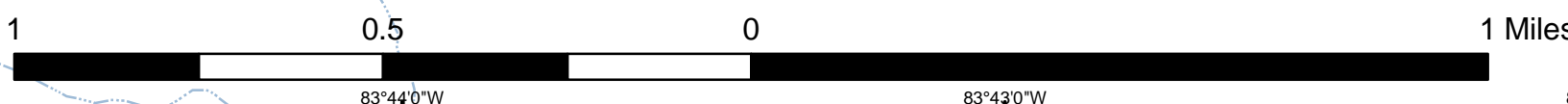
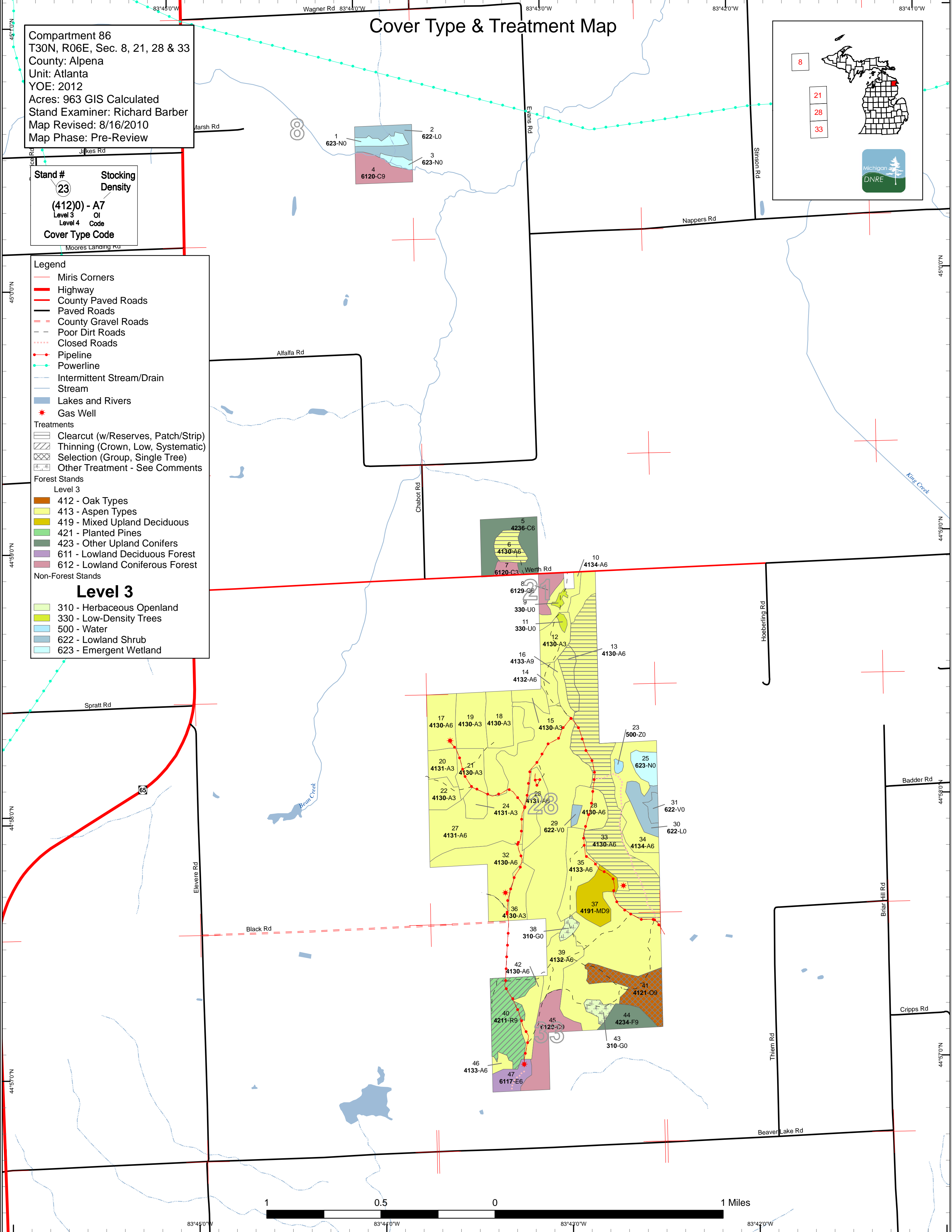
Level 3

- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

**Non-Forest Stands**

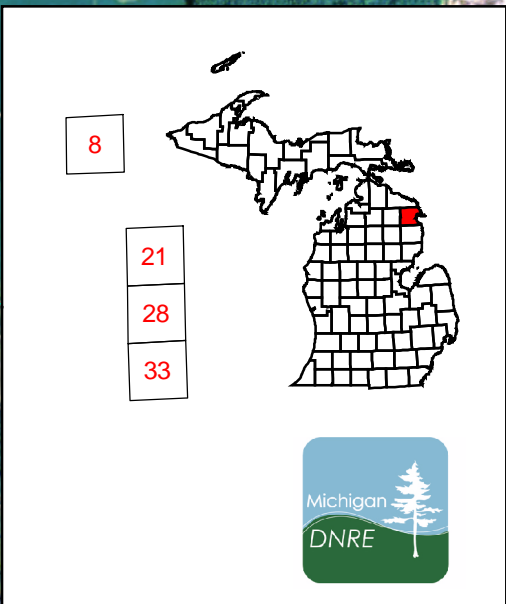
**Level 3**

- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



# Stand Boundary Map

Compartment 86  
 T30N, R06E, Sec. 8, 21, 28 & 33  
 County: Alpena  
 Unit: Atlanta  
 YOE: 2012  
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 Stand Examiner: Richard Barber  
 Map Revised: 8/16/2010  
 Map Phase: Pre-Review



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

## Legend

- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Pipeline
- Powerline
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- ★ Gas Well
- Stand Boundaries

## Forest Stands

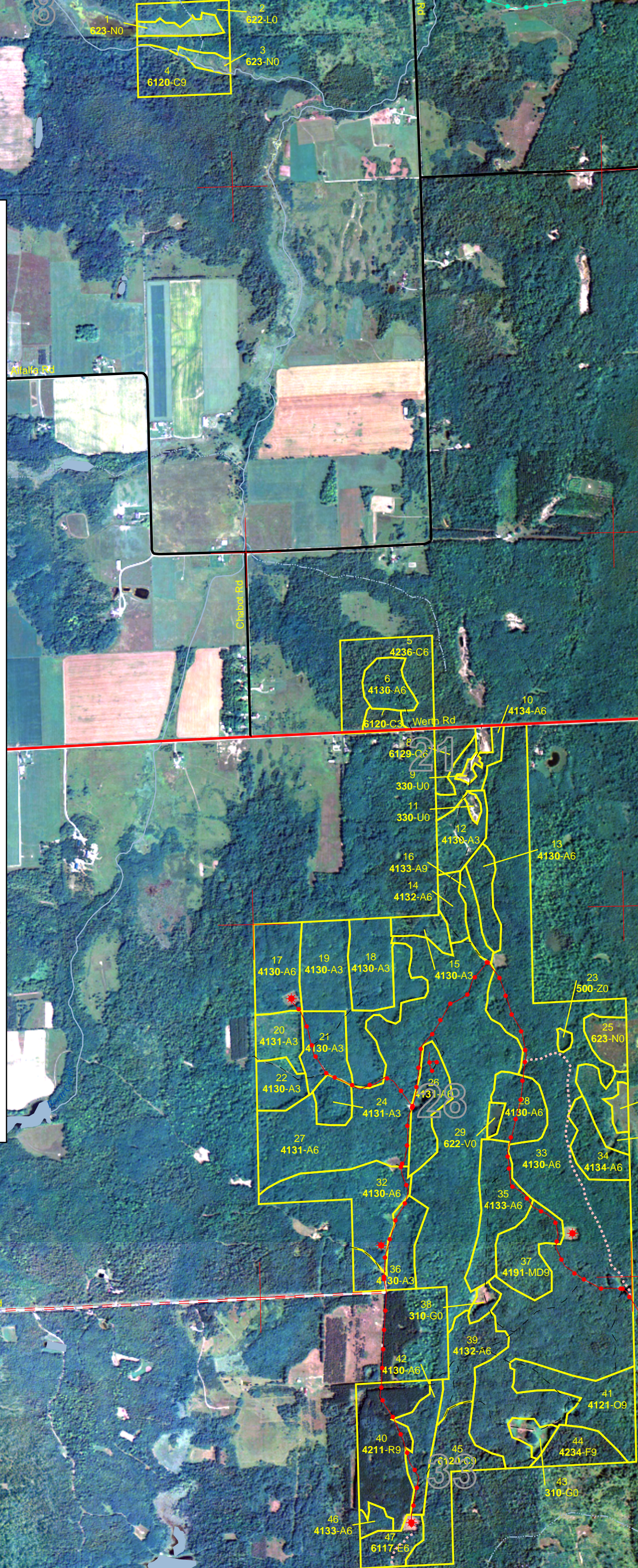
### Level 3

- 412 - Oak Types
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## Non-Forest Stands

### Level 3

- 310 - Herbaceous Openland
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83°45'0"W 83°44'0"W 83°42'0"W 83°41'0"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 +		Uneten Age
Aspen	0	11	86	91	0	463	31	10	27	0	0	0	0	0	0	719
Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Cedar	0	0	0	0	0	0	0	0	0	30	0	43	0	0	0	73
Herbaceous Openland	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Low-Density Trees	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Lowland Deciduous	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
Lowland Shrub	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Marsh	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Mixed Upland Deciduous	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	19
Oak	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	26
Red Pine	0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	34
Upland Spruce/Fir	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	12
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>62</b>	<b>11</b>	<b>86</b>	<b>91</b>	<b>0</b>	<b>482</b>	<b>73</b>	<b>32</b>	<b>54</b>	<b>30</b>	<b>0</b>	<b>43</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>963</b>



## Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Atlanta Mgt. Unit  
Year of Entry 2012

Compartment 086  
Total Compartment Acres: 963.5

### Acres by Treatment Type

Commercial Harvest - 186	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 8	Tree Seeding - 0	Pesticide - 0	

### Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	125	0	0	0	0	0	125
Oak	0	26	0	0	0	0	26
Red Pine	0	0	0	0	34	0	34
<b>Total</b>	<b>125</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>0</b>	<b>186</b>





Data updated before 2:00 PM

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
6 54086006-CCR	10.1	4130 - Aspen	High Density Pole	65	Harvest	Clearcut with Reserves	Aspen, Spruce/Fir	Cmpt. Review Proposal

Prescription: 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. Leave red pine, white pine, hemlock and cedar, if present. Place 1-2 chain buffer against cedar and hemlock in adjacent stands.

Other Comments:

Next Steps:

13 54086013-CCR	9.2	4130 - Aspen	High Density Pole	50	Harvest	Clearcut with Reserves	Aspen, Oak	Cmpt. Review Proposal
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Prescription: Stay off of steep slopes. Retain red pine for size class distribution.

Specs:

Other Comments:

Next Steps:

33 54086033-CCR	106.0	4130 - Aspen	High Density Pole	44	Harvest	Clearcut with Reserves	Aspen, Oak	Cmpt. Review Proposal
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Prescription: 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. Leave red pine and white pine. Place 1-2 chain buffer against wetlands, cedar and hemlock in adjacent stands.

Other Comments:

Next Steps:

40 54086040-Sys	33.9	42110 - Planted Red Pine	High Density Log	51	Harvest	Systematic Thinning	Planted Red Pine	Cmpt. Review Proposal
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Prescription: Remove every third row. Retain every first and second row.

Specs:

Other Comments:

Next Steps:

41 54086041-STC	26.3	4121 - Oak, Aspen	High Density Log	70	Harvest	Single Tree Selection	Red Oak	Cmpt. Review Proposal
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Prescription: Remove aspen and red maple to 2 inch DBH. Where ever BA remains above 100, crop release oak or other quality hardwood specimen to reduce BA to 80-90. Do not cut red pine, white pine white-cedar or hemlock, if present. Shortwood to protect residual and keep advanced white pine regeneration from drowning in aspen and maple regeneration. Make one 90 foot diameter hole per every 2 acres. Long term objective is to produce quality red oak sawlogs and regenerate red oak

Other Comments:

Next Steps:

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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
38	NF_54086038- NonFor	3.4	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	Cmpt. Review Proposal

Prescription Maintain as opening through mowing and/or planting to food and cover crops for wildlife  
Specs:

Other  
Comments:

Next Monitor for cover type and perform opening maintenance on 5-10 year rotation  
Steps:

43	NF_54086043- NonFor	5.0	Non-Forested		0	Non-Forest Management	Other - Specify	Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription Maintain as opening through mowing and/or planting to food and cover crops for wildlife  
Specs:

Other  
Comments:

Next Monitor for cover type and perform opening maintenance on 5-10 year rotation  
Steps:

**Total Treatment  
 Acreage Proposed: 193.9**



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Limiting Factor and No  
Treatment Reason

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**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>Other Comments:</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>Next Steps:</u> Regen survey 3-5 yrs after harvest.</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>Other Comments:</u></p> <p><u>Next Steps:</u> Continued scarification until full stocking of red pine is achieved.</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>Other Comments:</u></p> <p><u>Next Steps:</u> follow up with timber harvest next entry.</p>								
<b>Total Treatment Acreage Proposed:</b>		<b>38.2</b>						

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## Atlanta Mgt. Unit

## 5 – Forested Stands

Compartment: 086

Data updated before 2:00 PM

Year of Entry: 2012



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4	6120 - Lowland Cedar	High Density Log	15.9	100		
5	42360 - Upland Cedar	High Density Pole	26.0	88		
6	4130 - Aspen	High Density Pole	10.1	65	81-110	
7	6120 - Lowland Cedar	High Density Sapling	4.0	88		Area of some windthrow.
8	6129 - Mixed Coniferous Lowland Forest	High Density Pole	7.8	55		
10	4134 - Aspen, Spruce/Fir	High Density Pole	9.2	55	51-80	
12	4130 - Aspen	High Density Sapling	12.6	16		
13	4130 - Aspen	High Density Pole	9.2	50	51-80	steep areas.
14	4132 - Aspen, Jack Pine	High Density Pole	7.1	50	51-80	varied aspen diameters.
15	4130 - Aspen	High Density Sapling	6.6	16	1-50	
16	4133 - Aspen, Mixed Pine	High Density Log	5.6	50	81-110	
17	4130 - Aspen	High Density Pole	19.3	27	51-80	
18	4130 - Aspen	High Density Sapling	18.2	27		
19	4130 - Aspen	High Density Sapling	39.2	17		
20	4131 - Aspen, Oak	High Density Sapling	10.9	6		
21	4130 - Aspen	High Density Sapling	14.8	27	1-50	
22	4130 - Aspen	High Density Sapling	10.4	17		
24	4131 - Aspen, Oak	High Density Sapling	7.4	27		

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## Atlanta Mgt. Unit

## 5 – Forested Stands

Compartment: 086

Data updated before 2:00 PM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	4131 - Aspen, Oak	High Density Pole	14.9	74	51-80	Very steep in places. ORV damage.
27	4131 - Aspen, Oak	High Density Pole	169.4	43	51-80	
28	4130 - Aspen	High Density Pole	14.5	44	1-50	
32	4130 - Aspen	High Density Pole	31.3	27	1-50	
33	4130 - Aspen	High Density Pole	222.4	44	81-110	
34	4134 - Aspen, Spruce/Fir	High Density Pole	12.5	73	51-80	Dry, but roots at surface.
35	4133 - Aspen, Mixed Pine	High Density Pole	22.4	44	51-80	
36	4130 - Aspen	High Density Sapling	17.0	18		
37	4191 - Mixed Upland Deciduous with Conifer	High Density Log	19.2	44	51-80	h
39	4132 - Aspen, Jack Pine	High Density Pole	17.4	49	51-80	
40	42110 - Planted Red Pine	High Density Log	33.9	51	200+	LCR=0.25. Trees to 14" DBH.
41	4121 - Oak, Aspen	High Density Log	26.3	70	111-140	Oak in clumps on sawlog quality site.
42	4130 - Aspen	High Density Pole	13.0	49	51-80	
44	42340 - Upland Spruce/Fir	High Density Log	11.8	69		barely upland
45	6120 - Lowland Cedar	High Density Log	27.3	104		
46	4133 - Aspen, Mixed Pine	High Density Pole	3.5	49	81-110	Aspen over failed portion of rp plantation.
47	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	10.3	68	51-80	



Stand	Cover Type	Acres	Gen Cmts:
1	623 - Emergent Wetland	5.9	
2	622 - Lowland Shrub	15.0	
3	623 - Emergent Wetland	3.5	
9	330 - Low-Density Trees	1.5	
11	330 - Low-Density Trees	1.5	
23	50 - Water	1.3	
25	623 - Emergent Wetland	8.6	
29	6225 - Bog	2.0	
30	622 - Lowland Shrub	10.7	
31	6225 - Bog	3.4	
38	3102 - Grass	3.4	
43	3102 - Grass	5.0	



**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
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### 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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