



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 4

Entry Year 2015

Acreage: 1,878

County Montmorency

Management Area: Avery Hills

Revision Date: 06/17/2013

Stand Examiner: Richard Barber

Legal Description:

T29N, R02E, Sec. 1, 12 & 13

Identified Planning Goals:

Quality oak management and redistribution of aspen age classes.

Soil and topography:

Soils are mostly Graycalm and Klacking sands and Millersburg sandy loam. Terrain is often rolling to steep. Some areas are excessively steep. Sage Creek flows through a wetland consisting of Tawas muck.

Habitat type is usually PARVHa, with PARVVb on better oak sites.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

Surrounding land is mostly other state forest land.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Sage Creek is a cold water stream with special buffer requirements.

Wildlife Habitat Considerations:

Excellent wildlife compartment with ruffed grouse, woodcock, deer, turkey, and bear featured species. Potential exists to scatter aspen age classes for improved habitat quality for grouse, woodcock, and deer. Oak mast sources should be maintained or expanded to provide food for wildlife into the future. Several openings provide good native grasses and forbs for food and cover for grouse and turkey broods as well as deer fawning. Maintenance of these openings should be conducted to enhance these values.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured glacial till and minor glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. There is no known economic use for the Coldwater Shale. The nearest gravel pit is located just east of Section 1. There should be good gravel potential on the upland areas. This area has been drilled and is producing gas from the Antrim Shale.

Vehicle Access:

Access is very good. Roads to be closed are shown on the compartment map as closed or abandoned.

Survey Needs:

None.

Recreational Facilities and Opportunities:

There is a snowmobile trail running through this compartment.

Fire Protection:

Adequate.

Additional Compartment Information:

The following reports from the Inventory are attached:

- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

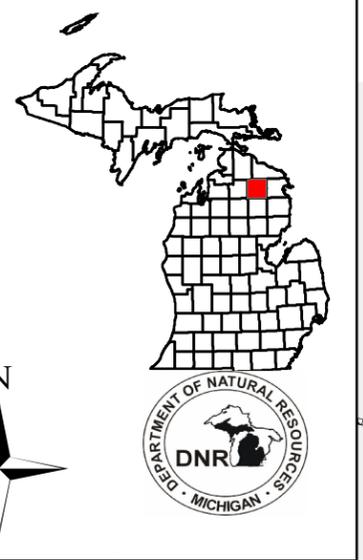
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatment Map

Compartment: 004
 T29N R02E
 Sections 1, 12, 13
 County: Montmorency
 Unit: Atlanta
 YOE: 2015
 Acres: 1,878 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 09/10/2013
 Map Phase: Web Post

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

1
 12
 13



Legend

- Miris Corners
- Remonumented Section Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Closed Roads
- Pipeline
- Powerline
- Stream
- Intermittent Stream
- Lakes and Rivers
- Snowmobile Trails
- Snowmobile Trail

Treatments

- Opening Maintenance
- Other Treatment - See Comments
- Prescribed Burn
- Thinning (Crown, Low, Systematic)
- Clearcut (w/Reserves, Patch/Strip)

Forest Stands

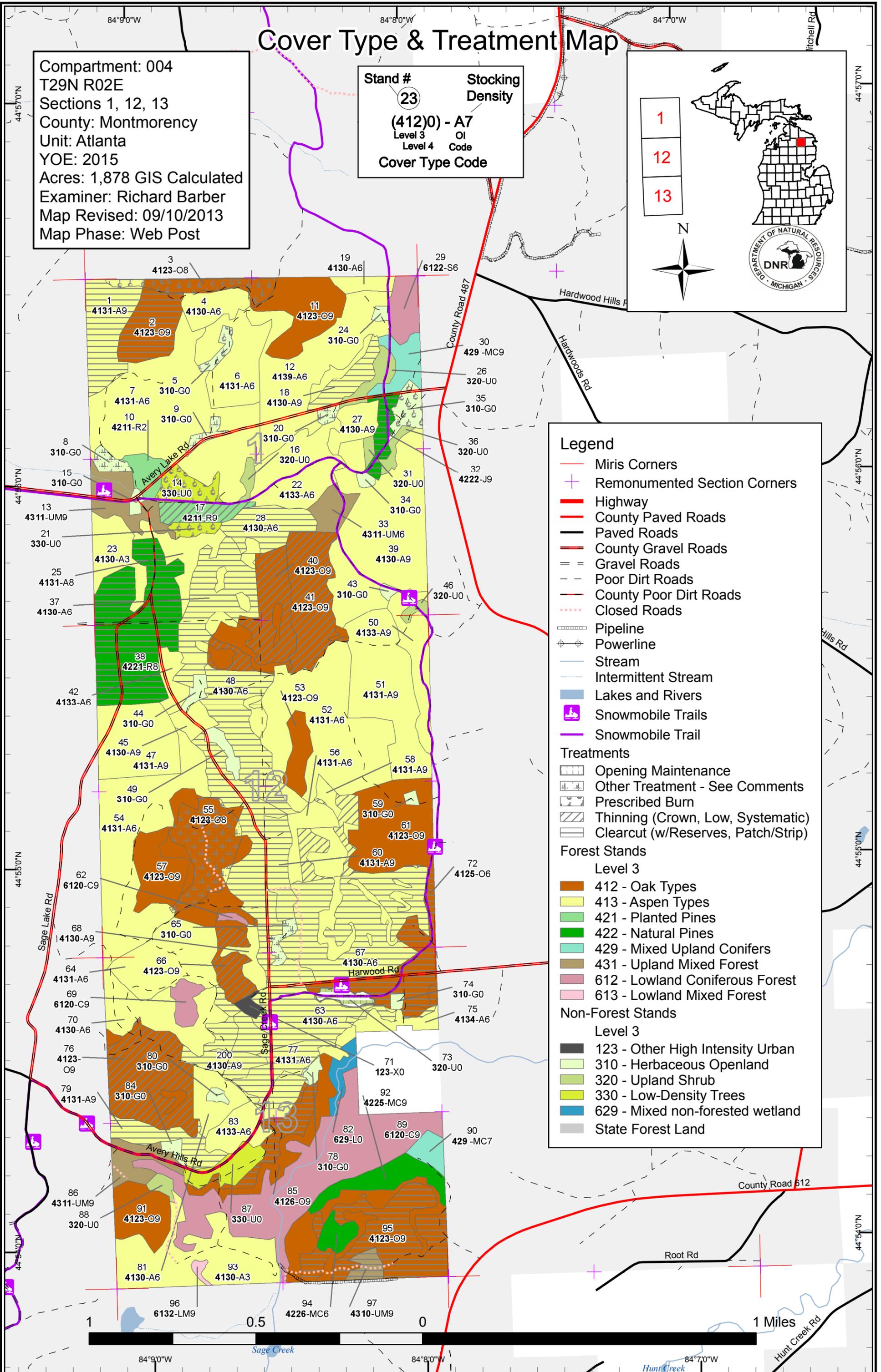
Level 3

- 412 - Oak Types
- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 123 - Other High Intensity Urban
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low-Density Trees
- 629 - Mixed non-forested wetland
- State Forest Land

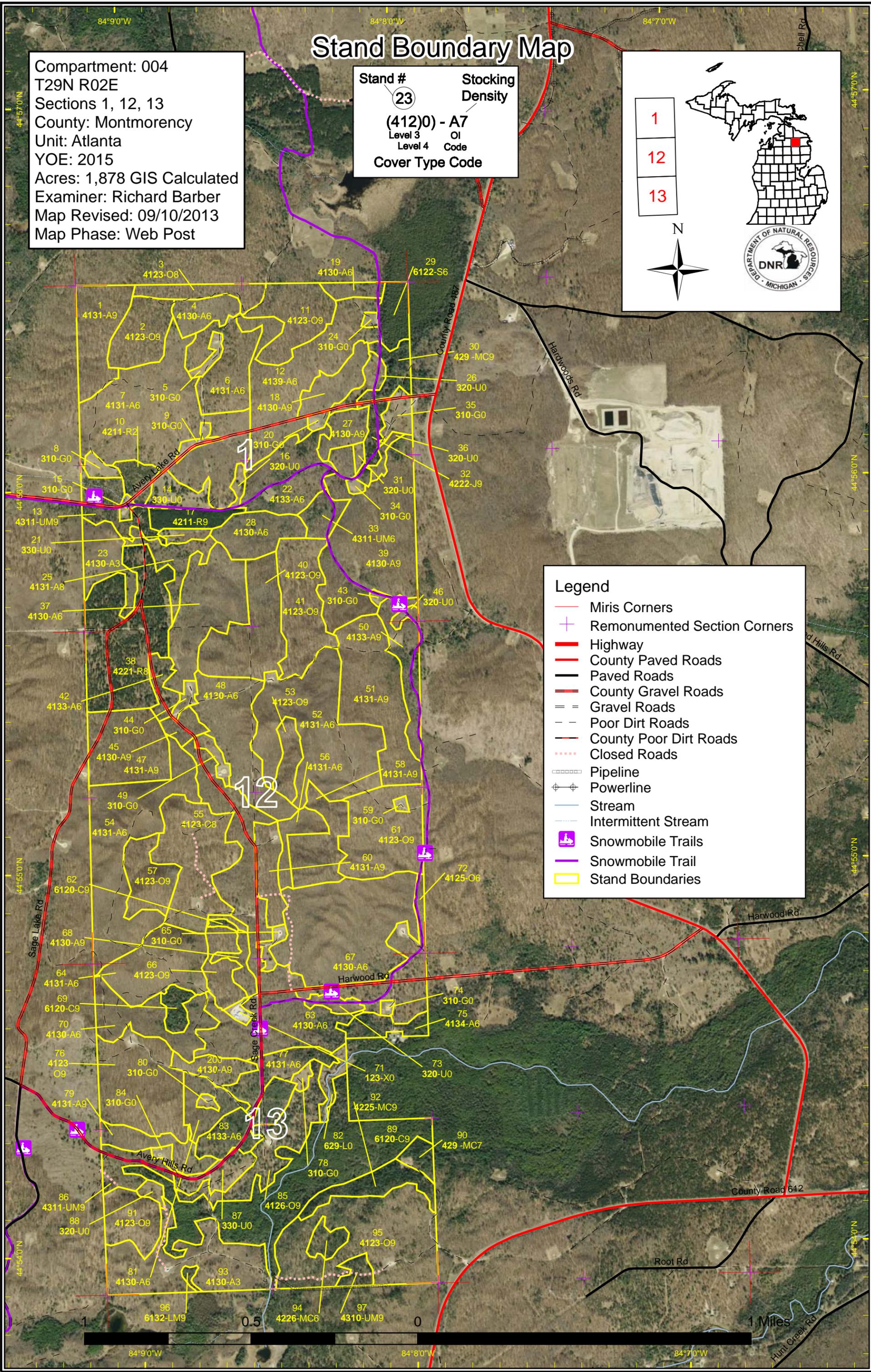


1 0.5 0 1 Miles

Stand Boundary Map

Compartment: 004
 T29N R02E
 Sections 1, 12, 13
 County: Montmorency
 Unit: Atlanta
 YOE: 2015
 Acres: 1,878 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 09/10/2013
 Map Phase: Web Post

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



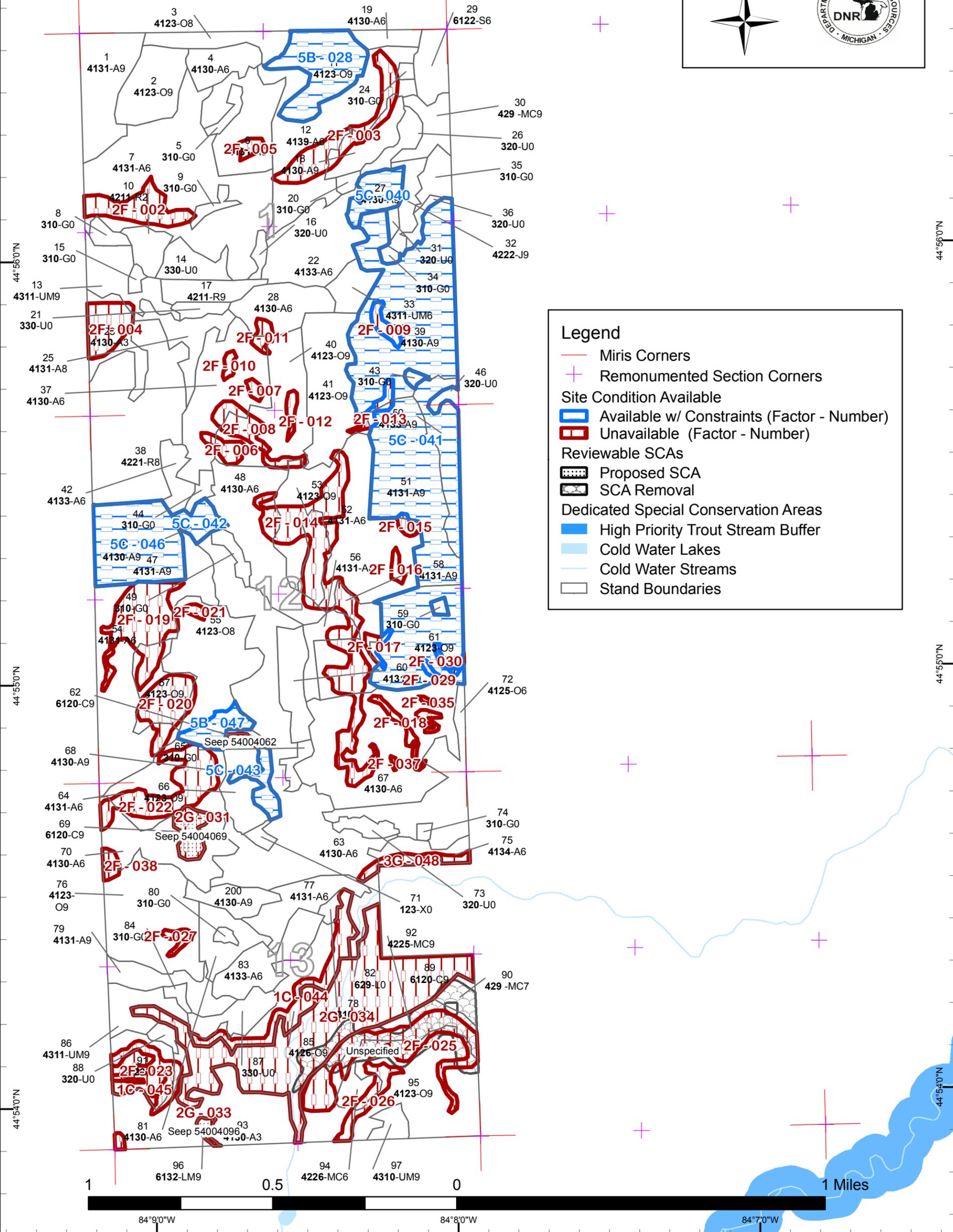
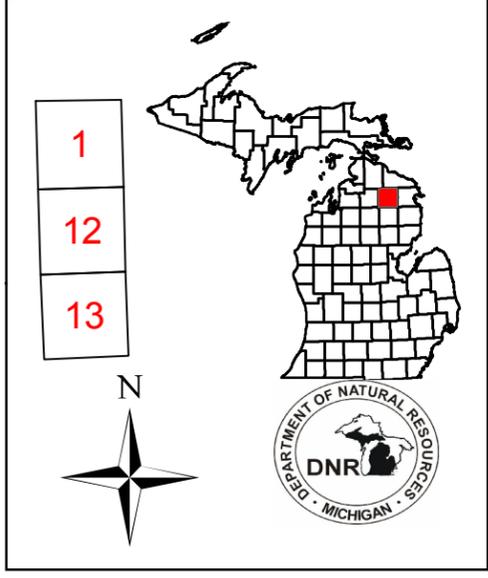
Legend

- Miris Corners
- + Remonumented Section Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Closed Roads
- Pipeline
- Powerline
- Stream
- Intermittent Stream
- Snowmobile Trails
- Snowmobile Trail
- Stand Boundaries

Special Conservation Areas & Site Conditions Map

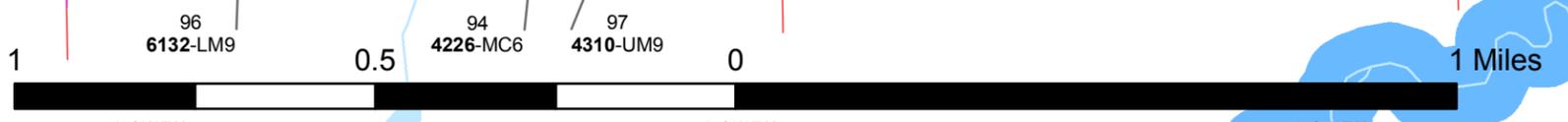
Compartment: 004
 T29N R02E
 Sections 1, 12, 13
 County: Montmorency
 Unit: Atlanta
 YOE: 2015
 Acres: 1,878 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 09/10/2013
 Map Phase: Web Post

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



Legend

- Miris Corners
- + Remonumented Section Corners
- Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)
- Reviewable SCAs
- Proposed SCA
- SCA Removal
- Dedicated Special Conservation Areas
- High Priority Trout Stream Buffer
- Cold Water Lakes
- Cold Water Streams
- Stand Boundaries



Report 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	0	47	168	307	291	211	0	0	45	26	0	0	0	0	1095
Cedar	0	0	0	0	0	0	0	0	0	92	0	0	0	0	92
Herbaceous Openland	41	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Jack Pine	0	0	0	0	0	0	0	8	0	0	0	0	0	0	8
Low-Density Trees	23	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Lowland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Spruce/Fir	0	0	0	0	0	0	0	10	0	0	0	0	0	0	10
Natural Mixed Pines	0	0	0	6	0	0	0	0	0	15	0	0	0	0	21
Oak	0	0	0	0	0	0	37	69	202	115	0	0	0	0	423
Red Pine	0	0	7	0	0	9	62	0	0	0	0	0	0	0	78
Upland Conifers	0	0	0	0	0	0	0	0	10	6	0	0	0	0	15
Upland Mixed Forest	0	0	0	11	0	24	0	0	0	5	0	0	0	0	40
Upland Shrub	22	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	93	47	175	325	291	244	98	87	257	260	0	0	0	0	1878



Report 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2015

Compartment 004
Total Compartment Acres: 1,878

Acres by Treatment Type

Commercial Harvest - 629 Tree Planting - 5 Other - 64
 Habitat Cut - 0 Opening Maintenance - 15

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen Types	315	0	0	0	11	0	326
Natural Pines	70	0	0	0	0	0	70
Oak Types	106	0	0	0	112	0	219
Planted Pines	0	0	0	0	9	0	9
Upland Mixed Forest	5	0	0	0	0	0	5
Total	496	0	0	0	133	0	629



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	54004001- CCR	24.2	4131 - Aspen, Oak	High Density Log	92	51-80	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> 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. Do not cut white pine if present										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u> Regen survey. Acceptable regeneration is any combination of oak, aspen, jack pine, red pine, or white pine resulting in a medium or well stocked stand.										
<u>Proposed</u> <u>Start Date:</u> 10/01/2014										
2	54004002- CCR	19.6	4123 - Red Oak	High Density Log	92	51-80	Harvest	Clearcut with Reserves	4123 - Red Oak	Cmpt. Review Proposal
<u>Prescription</u> Do not cut white pine if present. 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.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> <u>Steps:</u> Regen survey. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. If natural regeneration fails, plant red pine. Site prep may require thermal, chemical or mechanical methods.										
<u>Proposed</u> <u>Start Date:</u> 10/01/2014										
17	54004017-3rd Row	9.5	42110 - Planted Red Pine	High Density Log	53	171-200	Harvest	Systematic Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Remove every third row.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u> Use standard trail specs. Require shortest route to Avery Lake Road.										
<u>Next</u> <u>Steps:</u>										
<u>Proposed</u> <u>Start Date:</u> 10/01/2014										
18	54004018- CCR	9.6	4130 - Aspen	High Density Log	47	51-80	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Do not cut white pine if present. 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.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u> Do not use snowmobile trail December 1st through March 31th. Maintain standard daily clearance along edge of trail.										
<u>Next</u> <u>Steps:</u> Regen survey. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand.										
<u>Proposed</u> <u>Start Date:</u> 10/01/2014										
28	54004028- CCR	16.9	4130 - Aspen	High Density Pole	38	1-50	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> 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. Do not cut white pine or oak. Protect and oak regeneration.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u> Use standard trail specs. Require shortest route to Avery Lake Road.										
<u>Next</u> <u>Steps:</u> Regen survey. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand.										
<u>Proposed</u> <u>Start Date:</u> 10/01/2014										

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
32 54004032-CCR	7.7	42220 - Natural Jack Pine	High Density Log	72		Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> 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.									
<u>Specs:</u> Require chipping of tops. Do not cut white pine if present.									
<u>Other</u> Do not use snowmobile trail December 1st through March 31th. Maintain standard daily clearance along edge of trail.									
<u>Comments:</u>									
<u>Next</u> Regen survey. Acceptable regeneration is any combination of jack pine, red pine, or white pine resulting in a medium or well stocked stand. If natural regeneration fails, plant jack pine. Site prep may require thermal, chemical or mechanical methods.									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2014									

37 54004037-CCR	32.2	4130 - Aspen	High Density Pole	38	51-80	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> 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. Do not cut white pine (if present) or oak.									
<u>Specs:</u>									
<u>Other</u> Do not use snowmobile trail.									
<u>Comments:</u>									
<u>Next</u> Regen survey. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand.									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2014									

38 54004038-CCR	61.8	42210 - Natural Red Pine	Medium Density Log	64	81-110	Harvest	Clearcut with Reserves	42210 - Natural Red Pine	Cmpt. Review Proposal
<u>Prescription</u> 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.									
<u>Specs:</u> Require chipping of tops.									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u> Plant red pine. Acceptable regeneration is any combination of red pine or white pine resulting in a medium or well stocked stand. Site prep may require thermal, chemical or mechanical methods.									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2014									

40 54004040-CT	26.7	4123 - Red Oak	High Density Log	67	111-140	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal
<u>Prescription</u> Reduce BA to 80-90, releasing best tree in place. Also remove dead oak to curtail vehicular damage from "freelance" firewooders.									
<u>Specs:</u>									
<u>Other</u> Do not use snowmobile trail December 1st through March 31th.									
<u>Comments:</u>									
<u>Next</u>									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2014									

41 54004041-CT	31.9	4123 - Red Oak	High Density Log	72	81-110	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal
<u>Prescription</u> Reduce BA to 80-90, releasing best tree in place. Also remove dead oak to curtail vehicular damage from "freelance" firewooders. Paint steep slopes out of sale. Shortwood only, no removal of tops. No chipping or grinding after December 1st. Render skid trails impassable.									
<u>Specs:</u>									
<u>Other</u> Use standard trail specs. If snowmobile trail is used December 1st through March 31st, trucks must take shortest route to county road.									
<u>Comments:</u>									
<u>Next</u>									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2014									

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
48 54004048-CCR	31.6	4130 - Aspen	High Density Pole	36	1-50	Harvest	Clearcut with Reserves	4130 - Aspen	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. Do not cut white pine (if present) or oak. Paint steep slopes out of sale.

Other
Comments:

Next Steps: Regen survey. Acceptable regeneration is any combination of aspen, oak, jred pine, or white pine resulting in a medium or well stocked stand.

Proposed
Start Date: 10/01/2014

58 54004058-CT	11.2	4131 - Aspen, Oak	High Density Log	80	81-110	Harvest	Crown Thinning	4121 - Oak, Aspen	Cmpt. Review Proposal
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Prescription Reduce BA to 80-90, releasing best red oak in place. To protect slopes and residual, no whole tree skidding or removal of tops. Render skid trails impassable. Do not cut white pine (if present.)

Other Do not use snowmobile trail December 1st through March 31th.
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2014

60 54004060-CCR	13.5	4131 - Aspen, Oak	High Density Log	87	111-140	Harvest	Clearcut with Reserves	4121 - Oak, Aspen	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. Do not cut white pine if present.

Other
Comments:

Next Steps: Regen survey. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. If natural regeneration fails, plant red pine. Site prep may require thermal, chemical or mechanical methods.

Proposed
Start Date: 10/01/2014

63 54004063-CCR	47.1	4130 - Aspen	High Density Pole	43	51-80	Harvest	Clearcut with Reserves	4130 - Aspen	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. Do not cut white pine (if present) or oak. Protect and oak regeneration. Paint steep slopes out of sale.

Other
Comments:

Next Steps: Regen survey. Acceptable regeneration is any combination of aspen, oak, jred pine, or white pine resulting in a medium or well stocked stand.

Proposed
Start Date: 10/01/2014



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
63	54004063- Jethro	27.2	4130 - Aspen	High Density Pole	43	51-80	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal

Prescription Cut per compartment review decision of 9/24/2009.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2012

66	54004066-CT	11.9	4123 - Red Oak	High Density Log	87	111-140	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal
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Prescription Reduce BA to 80-90, releasing best red oak in place. Paint steep slopes out of sale. No whole tree skidding or removal of tops. Render skid

Specs: trails impassable. Do not cut white pine (if present.) Leave 1-2 chain buffer on stand 62.

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2014

67	54004067- CCR	60.8	4130 - Aspen	High Density Pole	43	1-50	Harvest	Clearcut with Reserves	4130 - Aspen	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. Do not cut white pine if present. Do not cut white pine (if present) or oak. Paint steep slopes out of sale. To protect hills, shortwood only, no removal of tops.

Other Do not use snowmobile trail December 1st through April 30th. Maintain standard daily clearance along edge of trail.

Comments:

Next

Steps: Regen survey. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand.

Proposed

Start Date: 10/01/2014

72	54004072- CCR	26.3	4125 - Black, N. Pin Oak	High Density Pole	87	81-110	Harvest	Clearcut with Reserves	4125 - Black, N. Pin 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. Do not cut white pine.

Other Do not use snowmobile trail December 1st through April 30th. Maintain standard daily clearance along edge of trail.

Comments:

Next

Steps: Regen survey. Acceptable regeneration is any combination of oak, aspen, jack pine, red pine, or white pine resulting in a medium or well stocked stand. If natural regeneration fails, plant jack pine. Site prep may require thermal, chemical or mechanical methods.

Proposed

Start Date: 10/01/2014



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
72	54004072- Jethro	2.6	4125 - Black, N. Pin Oak	High Density Pole	87	81-110	Harvest	Clearcut with Reserves	4125 - Black, N. Pin Oak	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. Do not cut white pine. Cut per compartment review decision of 9/24/2009.

Other Do not use snowmobile trail December 1st through April 30th. Maintain standard daily clearance along edge of trail.
Comments:

Next Regen survey. Acceptable regeneration is any combination of oak, aspen, jack pine, red pine, or white pine resulting in a medium or well stocked stand. If natural regeneration fails, plant jack pine. Site prep may require thermal, chemical or mechanical methods.
Steps:

Proposed
Start Date: 10/01/2012

75	54004075- Jethro	2.0	4134 - Aspen, Spruce/Fir	High Density Pole	83	51-80	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
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Prescription Cut per compartment review decision of 9/24/2009.
Specs:

Other
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2012

76	54004076-CT	41.9	4123 - Red Oak	High Density Log	85	111-140	Harvest	Crown Thinning	4123 - Red Oak	Cmpt. Review Proposal
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Prescription Reduce BA to 80-90, releasing best red oak in place. No whole tree skidding or removal of tops. Render skid trails impassable. Do not cut white pine (if present.) Paint steep slopes out of sale.
Specs:

Other
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2014

63	54004077- Jethro	25.4	4130 - Aspen	High Density Pole	43	51-80	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription Cut per compartment review decision of 9/24/2009.
Specs:

Other
Comments:

Next Regen survey. Acceptable regeneration is any combination of aspen, oak, jred pine, or white pine resulting in a medium or well stocked stand.
Steps:

Proposed
Start Date: 10/01/2014

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
79 54004079-CCR	13.7	4131 - Aspen, Oak	High Density Log	38	81-110	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> 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. Paint steep slopes out of sale. To protect hills, no skidding over crest, no removal of tops. Do not cut white pine or red pine if present.									
<u>Specs:</u>									
<u>Other Comments:</u> December 1st through March 31st, no decking along snowmobile trail, and trucks must cross trail at right angle. Maintain standard daily clearance along edge of trail.									
<u>Next Steps:</u> Regen survey. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand.									
<u>Proposed Start Date:</u> 10/01/2014									

85 54004085-CCR	12.5	4126 - White, Black, N. Pin Oak	High Density Log	94	81-110	Harvest	Clearcut with Reserves	4126 - White, Black, N. Pin Oak	Cmpt. Review Proposal
<u>Prescription</u> 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. Do not cut white pine. Leave clump of 3-4 white oak per acre. Protect oak and white pine regeneration.									
<u>Specs:</u>									
<u>Other Comments:</u>									
<u>Next Steps:</u> Regen survey. Acceptable regeneration is any combination of oak, aspen, jack pine, red pine, or white pine resulting in a medium or well stocked stand.									
<u>Proposed Start Date:</u> 10/01/2014									

95 54004095-CCR	45.2	4123 - Red Oak	High Density Log	92	81-110	Harvest	Clearcut with Reserves	4124 - Red with White Oak	Cmpt. Review Proposal
<u>Prescription</u> 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. Do not cut white pine. Leave clump of 3-4 white oak per acre, where available. Paint steep slopes out of sale. Shortwood to protect hills, oak and white pine regeneration. No chipping of tops.									
<u>Specs:</u>									
<u>Other Comments:</u>									
<u>Next Steps:</u> Regen survey. Acceptable regeneration is any combination of oak, aspen, jack pine, red pine, or white pine resulting in a medium or well stocked stand. If natural regeneration fails, plant red pine. Site prep may require thermal, chemical or mechanical methods.									
<u>Proposed Start Date:</u> 10/01/2014									

97 54004097-CCR	4.7	4310 - Pine, Oak Mix	High Density Log	94	51-80	Harvest	Clearcut with Reserves	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> 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. Do not cut white pine if present.									
<u>Specs:</u>									
<u>Other Comments:</u>									
<u>Next Steps:</u> Plant red pine. Acceptable regeneration is any combination of red pine or white pine resulting in a medium or well stocked stand. Site prep may require thermal, chemical or mechanical methods.									
<u>Proposed Start Date:</u> 10/01/2014									



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
79	54004200- CCR	11.1	4131 - Aspen, Oak	High Density Log	38	81-110	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<u>Prescription</u> 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. Paint steep slopes out of sale. To protect hills, no skidding over crest, no removal of tops. Do not cut white pine or red pine if present.										
<u>Specs:</u>										
<u>Other</u> December 1st through March 31st, no decking along snowmobile trail, and trucks must cross trail at right angle.										
<u>Comments:</u>										
<u>Next</u> Regen survey. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well										
<u>Steps:</u> stocked stand.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
	54004_St8- Burn	12.0					Prescribed Burn	Unspecified	4123 - Red Oak	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Burn with adjacent stand in Compartment 24. Understory burn to remove red maple regeneration										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> follow up with timber harvest next entry.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
5	NF_54004005- Burn	3.0	3102 - Grass				Prescribed Burn	Unspecified	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<u>Prescription</u> Burn to promote little bluestem and blackberry. If burn is not funded, treat mechanically.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor effectiveness of burn and if appropriate burn on rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
14	NF_54004014- Burn	9.5	330 - Low-Density Trees				Prescribed Burn	Unspecified	320 - Upland Shrub	Cmpt. Review Proposal
<u>Prescription</u> Burn to promote shrub character and native grasses. If burn is not funded, treat mechanically.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor and if necessary, burn on rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
21	NF_54004021- Burn	3.5	330 - Low-Density Trees				Prescribed Burn	Unspecified	320 - Upland Shrub	Cmpt. Review Proposal
<u>Prescription</u> Burn to promote shrub character and native grasses. If burn is not funded, treat mechanically.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor and if effective burn on rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>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
35	NF_54004035- Burn	6.8	3102 - Grass				Prescribed Burn	Unspecified	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Burn to promote grasses and maintain open character. If burn is not funded, treat mechanically.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Monitor and treat on rotation										
<u>Proposed Start Date:</u> Unspecified										
8	NF_54004008- NonFor	3.4	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Mow or burn to maintain open character										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Monitor and treat on rotation										
<u>Proposed Start Date:</u> Unspecified										
9	NF_54004009- NonFor	2.9	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Mow or burn to promote open character										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Monitor and treat on rotation based on results										
<u>Proposed Start Date:</u> Unspecified										
20	NF_54004020- NonFor	1.8	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Mow or burn to promote grasses and open character										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Monitor and treat on rotation										
<u>Proposed Start Date:</u> Unspecified										
65	NF_54004065- NonFor	3.3	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Mow, burn, or plant depending on funding										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Monitor and treat on a rotation										
<u>Proposed Start Date:</u> Unspecified										

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
73 NF_54004073-NonFor	4.0	320 - Upland Shrub				Non-Forest Management	Brush Cutting	3102 - Grass	Cmpt. Review Proposal

Prescription: Cut brush to set back woody succession and maintain opening
Specs:

Other
Comments:

Next Monitor and re-treat if necessary to maintain open character
Steps:

Proposed
Start Date: Unspecified

11 C4_Sd57_Reg en_Survey	29.2	4110 - Sugar Maple Association	High Density Log	95	81-110	Other	Unspecified	Unspecified	Fld. Tr. Bdy. - Incomplete
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Prescription:
Specs:

Other
Comments:

Next
Steps:

Proposed
Start Date: 09/01/2009

**Total Treatment
 Acreage Proposed: 708.1**

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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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#Type!

#Type!

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Type!

Limiting Factor

Total Treatment
Acreage Proposed: 0.0

Report 5 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment 004
Year of Entry 2015

Availability for Management

Total Acres	Acres Available	Acres Not Available		Dominant Site Conditions						
				No	5C	5B	3G	2G	2F	1C
1094	955	139	Aspen	767	189		4		134	
92	1	91	Cedar	1				91		
8	8		Jack Pine	8						
1		1	Lowland Mixed Forest					1		
10	10		Lowland Spruce/Fir	10						
21	9	12	Natural Mixed Pines	9					12	
433	346	87	Oak	279	35	32			65	22
78	78		Red Pine	78						
15	15		Upland Conifers	15						
40	40	0	Upland Mixed Forest	40					0	
1,793	1,463	330	Total Forested Acres	1,208	224	32	4	92	211	22
	82%	18%	Relative Percent							

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
002	Not Available	2F: Too steep	11				
Comments:							
003	Not Available	2F: Too steep	16				
Comments:							
004	Not Available	2F: Too steep	9				
Comments:							

Report 5 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

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Year of Entry 2015

005	Not Available	2F: Too steep	2	
Comments:				
006	Not Available	2F: Too steep	3	
Comments:				
007	Not Available	2F: Too steep	1	
Comments:				
008	Not Available	2F: Too steep	8	
Comments:				
009	Not Available	2F: Too steep	3	
Comments:				
010	Not Available	2F: Too steep	1	
Comments:				
011	Not Available	2F: Too steep	2	
Comments:				
012	Not Available	2F: Too steep	2	
Comments:				

Report 5 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

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013	Not Available	2F: Too steep	3	
Comments:				
014	Not Available	2F: Too steep	44	5B: Retention for regeneration purposes
Comments: 5b for oak stand				
015	Not Available	2F: Too steep	1	
Comments:				
016	Not Available	2F: Too steep	1	
Comments:				
017	Not Available	2F: Too steep	2	
Comments:				
018	Not Available	2F: Too steep	3	
Comments:				
019	Not Available	2F: Too steep	21	
Comments:				
020	Not Available	2F: Too steep	12	
Comments:				

Report 5 – Site Conditions

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Richard Barber : Examiner

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Year of Entry 2015

021	Not Available	2F: Too steep	1	
Comments:				
022	Not Available	2F: Too steep	18	
Comments:				
023	Not Available	2F: Too steep	7	
Comments:				
024	Not Available	2F: Too steep	1	
Comments:				
025	Not Available	2F: Too steep	25	
Comments:				
026	Not Available	2F: Too steep	6	
Comments:				
027	Not Available	2F: Too steep	2	
Comments:				
028	Available	5B: Retention for regeneration purposes	25	
Comments:				

Report 5 – Site Conditions

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029	Not Available	2F: Too steep	1			
Comments:						
030	Not Available	2F: Too steep	1			
Comments:						
031	Not Available	2G: Too wet (sensitive soils, does not include access issues)	6	5A: Not able to obtain desirable regeneration	3H: Deer Wintering Areas	
Comments:						
032	Not Available	2G: Too wet (sensitive soils, does not include access issues)	1	5A: Not able to obtain desirable regeneration	3H: Deer Wintering Areas	
Comments:						
033	Not Available	2G: Too wet (sensitive soils, does not include access issues)	1	5A: Not able to obtain desirable regeneration	3H: Deer Wintering Areas	
Comments:						
034	Not Available	2G: Too wet (sensitive soils, does not include access issues)	84	3J: Water quality / BMPs (stream, river, or lake)	5A: Not able to obtain desirable regeneration	3H: Deer Wintering Areas
Comments:						

Report 5 – Site Conditions

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Compartment 004
Year of Entry 2015

035	Not Available	2F: Too steep	0	
Comments:				
036	Not Available	2F: Too steep	1	
Comments:				
037	Not Available	2F: Too steep	0	
Comments:				
038	Not Available	2F: Too steep	2	
Comments:				
039	Not Available	2F: Too steep	1	
Comments:				
040	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	
Comments:				
041	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	171	5B: Retention for regeneration purposes
Comments:				
5b refers to oak areas.				

Report 5 – Site Conditions

Atlanta Mgt. Unit
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042	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	
Comments:				
043	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	
Comments:				
044	Not Available	1C: Other dept or div proc/practices	15	
Comments: Cold water stream				
045	Not Available	1C: Other dept or div proc/practices	7	
Comments: rotation age = 150, shelterwood at 16" DBH				
046	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	32	
Comments:				
047	Available	5B: Retention for regeneration purposes	7	
Comments: Shelterwood at 16" DBH				

Report 5 – Site Conditions

Atlanta Mgt. Unit

Compartment 004

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Year of Entry 2015

048	Not Available	3G: Other Influence zones - See comments	5
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Comments:

Cold water stream buffer.



Report 6 – 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.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Seep 54004062 Comments Cedar stand w/ seeps	Spring-Seeps, Riparian Areas	Spring Seep	SCA	1.2
Seep 54004096 Comments heavy deer traffic	Spring-Seeps, Riparian Areas	Spring Seep	SCA	1.4
Seep 54004069 Comments Cedar stand w/ seeps	Spring-Seeps, Riparian Areas	Spring Seep	SCA	6.1
Unspecified Comments STEEP HILLS OLD GROWTH, R9/A4.	Potential Old Growth		SCA Removal	35.4



Report 7 – 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
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.

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Report 8 – Forested Stands

Compartment: 004
Year of Entry: 2015

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4131 - Aspen, Oak	High Density Log	25.9	92	51-80	
4123 - Red Oak	High Density Log	19.8	92	51-80	
4123 - Red Oak	Medium Density Log	11.6	78	51-80	
4130 - Aspen	High Density Pole	11.0	38	1-50	
4131 - Aspen, Oak	High Density Pole	27.0	38	1-50	
4131 - Aspen, Oak	High Density Pole	88.9	27	1-50	
42111 - Planted Red Pine, Mixed Deciduous	Medium Density	7.2	25	1-50	
4123 - Red Oak	High Density Log	24.7	78	51-80	
4139 - Aspen, Mixed Deciduous	High Density Pole	54.1	47	1-50	
4311 - Pine, Aspen Mix	High Density Log	15.6	57	51-80	
42110 - Planted Red Pine	High Density Log	9.5	53	171-200	
4130 - Aspen	High Density Log	13.4	47	51-80	
4130 - Aspen	High Density Pole	5.3	35	1-50	
4133 - Aspen, Mixed Pine	High Density Pole	29.8	38	1-50	
4130 - Aspen	High Density Sapling	16.1	27	1-50	
4131 - Aspen, Oak	Medium Density Log	12.6	38	1-50	
4130 - Aspen	High Density Log	9.3	57	51-80	
4130 - Aspen	High Density Pole	18.0	38	1-50	

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 004
Year of Entry: 2015

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
6122 - Black Spruce	High Density Pole	10.3	77		
429 - Mixed Upland Conifers	High Density Log	9.9	83	51-80	
42220 - Natural Jack Pine	High Density Log	7.7	72		
4311 - Pine, Aspen Mix	High Density Pole	8.3	56	51-80	
4130 - Aspen	High Density Pole	38.1	38	51-80	
42210 - Natural Red Pine	Medium Density Log	61.8	64	81-110	1/2 to 2/3 live crown
4130 - Aspen	High Density Log	76.1	50	51-80	
4123 - Red Oak	High Density Log	36.6	67	111-140	
4123 - Red Oak	High Density Log	32.8	72	81-110	
4133 - Aspen, Mixed Pine	High Density Pole	7.4	36	51-80	
4130 - Aspen	High Density Log	5.7	56	81-110	
4131 - Aspen, Oak	High Density Log	32.6	55	81-110	
4130 - Aspen	High Density Pole	37.0	36	1-50	
4133 - Aspen, Mixed Pine	High Density Log	18.3	53	81-110	
4131 - Aspen, Oak	High Density Log	47.3	53	81-110	
4131 - Aspen, Oak	High Density Pole	68.5	40	1-50	
4123 - Red Oak	High Density Log	9.0	80	1-50	
4131 - Aspen, Oak	High Density Pole	62.6	26	1-50	

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 004
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
55	4123 - Red Oak	Medium Density Log	43.6	80	51-80	
56	4131 - Aspen, Oak	High Density Pole	8.9	34	1-50	
57	4123 - Red Oak	High Density Log	17.7	80	81-110	
58	4131 - Aspen, Oak	High Density Log	21.8	80	81-110	
60	4131 - Aspen, Oak	High Density Log	13.5	87	111-140	
61	4123 - Red Oak	High Density Log	38.5	80	1-50	
62	6120 - Lowland Cedar	High Density Log	1.2	97		
63	4130 - Aspen	High Density Pole	83.2	43	51-80	
64	4131 - Aspen, Oak	High Density Pole	32.5	38	1-50	
66	4123 - Red Oak	High Density Log	14.4	87	111-140	
67	4130 - Aspen	High Density Pole	72.0	43	1-50	
68	4130 - Aspen	High Density Log	6.0	57	81-110	
69	6120 - Lowland Cedar	High Density Log	6.1	97		
70	4130 - Aspen	High Density Pole	25.8	38	111-140	
72	4125 - Black, N. Pin Oak	High Density Pole	28.6	87	81-110	
75	4134 - Aspen, Spruce/Fir	High Density Pole	9.8	83	51-80	
76	4123 - Red Oak	High Density Log	33.2	85	111-140	
77	4131 - Aspen, Oak	High Density Pole	15.7	57	51-80	

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 004
Year of Entry: 2015

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4131 - Aspen, Oak	High Density Log	13.7	38	81-110	xlog rp on south edge
4130 - Aspen	High Density Pole	12.6	38	51-80	
4133 - Aspen, Mixed Pine	High Density Pole	18.6	38	1-50	
4126 - White, Black, N. Pin Oak	High Density Log	28.1	94	81-110	
4311 - Pine, Aspen Mix	High Density Log	11.5	38	51-80	
6120 - Lowland Cedar	High Density Log	84.7	98		
429 - Mixed Upland Conifers	Low Density Log	5.5	94	51-80	
4123 - Red Oak	High Density Log	17.2	85	1-50	
42250 - Pine, Oak	High Density Log	15.1	94	81-110	
4130 - Aspen	High Density Sapling	47.1	16	1-50	
42260 - Natural Pine, Mixed Deciduous	High Density Pole	5.7	35	51-80	
4123 - Red Oak	High Density Log	67.1	92	81-110	
6132 - Mixed Lowland Forest with Cedar	High Density Log	1.4	98		heavy deer traffic
4310 - Pine, Oak Mix	High Density Log	4.7	94	51-80	
4130 - Aspen	High Density Log	9.2	38	81-110	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
5	3102 - Grass	3.0	Unspecified	Unspecified	
8	3102 - Grass	3.4	Unspecified	Unspecified	
9	3102 - Grass	2.9	Unspecified	Unspecified	
14	330 - Low-Density Trees	9.5	Unspecified	Unspecified	
15	3102 - Grass	1.7	Unspecified	Unspecified	
16	320 - Upland Shrub	2.4	Unspecified	Unspecified	
20	3102 - Grass	1.8	Unspecified	Unspecified	
21	330 - Low-Density Trees	3.5	Unspecified	Unspecified	
24	3102 - Grass	1.2	Unspecified	Unspecified	
26	320 - Upland Shrub	6.2	Unspecified	Unspecified	
31	320 - Upland Shrub	1.5	Unspecified	Unspecified	
34	3102 - Grass	1.3	Unspecified	Unspecified	
35	3102 - Grass	6.8	Unspecified	Unspecified	
36	320 - Upland Shrub	2.8	Unspecified	Unspecified	
43	3102 - Grass	1.1	Unspecified	Unspecified	
44	3102 - Grass	2.8	Unspecified	Unspecified	
46	320 - Upland Shrub	2.1	Unspecified	Unspecified	
49	3102 - Grass	3.9	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
59	3102 - Grass	1.0	Unspecified	Unspecified	
65	3102 - Grass	3.3	Unspecified	Unspecified	
71	123 - Other High Intensity Urban	2.2	Unspecified	Unspecified	
73	320 - Upland Shrub	4.4	Unspecified	Unspecified	
74	3102 - Grass	1.1	Unspecified	Unspecified	
78	3102 - Grass	1.9	Unspecified	Unspecified	
80	3102 - Grass	1.4	Unspecified	Unspecified	
82	629 - Mixed non-forested wetland	5.6	Unspecified	Unspecified	
84	3102 - Grass	1.9	Unspecified	Unspecified	
87	330 - Low-Density Trees	10.3	Unspecified	Unspecified	
88	320 - Upland Shrub	2.5	Unspecified	Unspecified	