



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 32

Entry Year 2015

Acreage: 1,690

County Montmorency

Management Area: Rattlesnake Hills

Revision Date: 06/17/2013

Stand Examiner: Richard Barber

Legal Description:

T31N, R01E, Sec. 16, 17 & 18

Identified Planning Goals:

State forest management and elk management.

Soil and topography:

Excluding wetlands, the western two-thirds of the compartment is rolling to severely steep. The eastern third is rolling to flat to wetland. Millersburg loamy sand dominates better sites. Mancelona loamy sand and Iosco sand make up bulk of remaining upland soil types. Habitat types are mostly AFO and PARVHa on uplands. However, a substantial portion of section 18 is PARVCo.

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

Surrounding lands are mostly other state forest land. However, lands to immediate east and west of the compartment are private hunting and farm lands.

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:

None.

Watershed and Fisheries Considerations:

Hodges Creek flows through the SW part of this compartment. It is a designated trout stream with some habitat improvement accomplished in recent years in the form of a new culvert for fish passage. Maintain quality buffer along stream (mostly cedar and spruce.)

Wildlife Habitat Considerations:

The south-facing slopes of the "Camp 30 Hills" are located in this compartment, which is in the heart of Michigan's elk range. The compartment offers excellent habitat for elk, white-tailed deer, wild turkey, and ruffed grouse. Bears are traditionally found in the swamp corridor as well. Several forest openings are managed to enhance the habitat and viewing opportunities for the featured species present. Forest should be managed to promote aspen as a food and cover source for elk, deer, and grouse. Mast trees should be retained to provide food for these and other wildlife species.

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 are the Devonian Berea Sandstone and Bedford and Antrim Shales. The Antrim is quarried for cement products elsewhere in the State. The nearest gravel pit is located two miles to the south. Gravel potential is considered good on the uplands. This area has been drilled and is producing gas from the Antrim Shale.

Vehicle Access:

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

Survey Needs:

Surveying may be required for timber sale preparation in stand 24.

Recreational Facilities and Opportunities:

The High Country Pathway runs along the north edge of 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

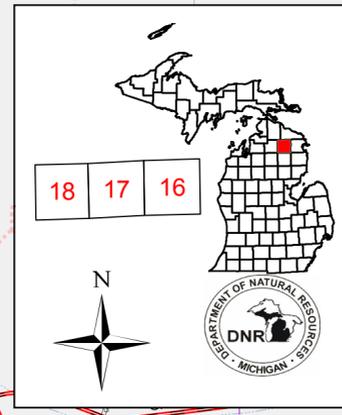
The following information is displayed, where pertinent, on the attached compartment maps:

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

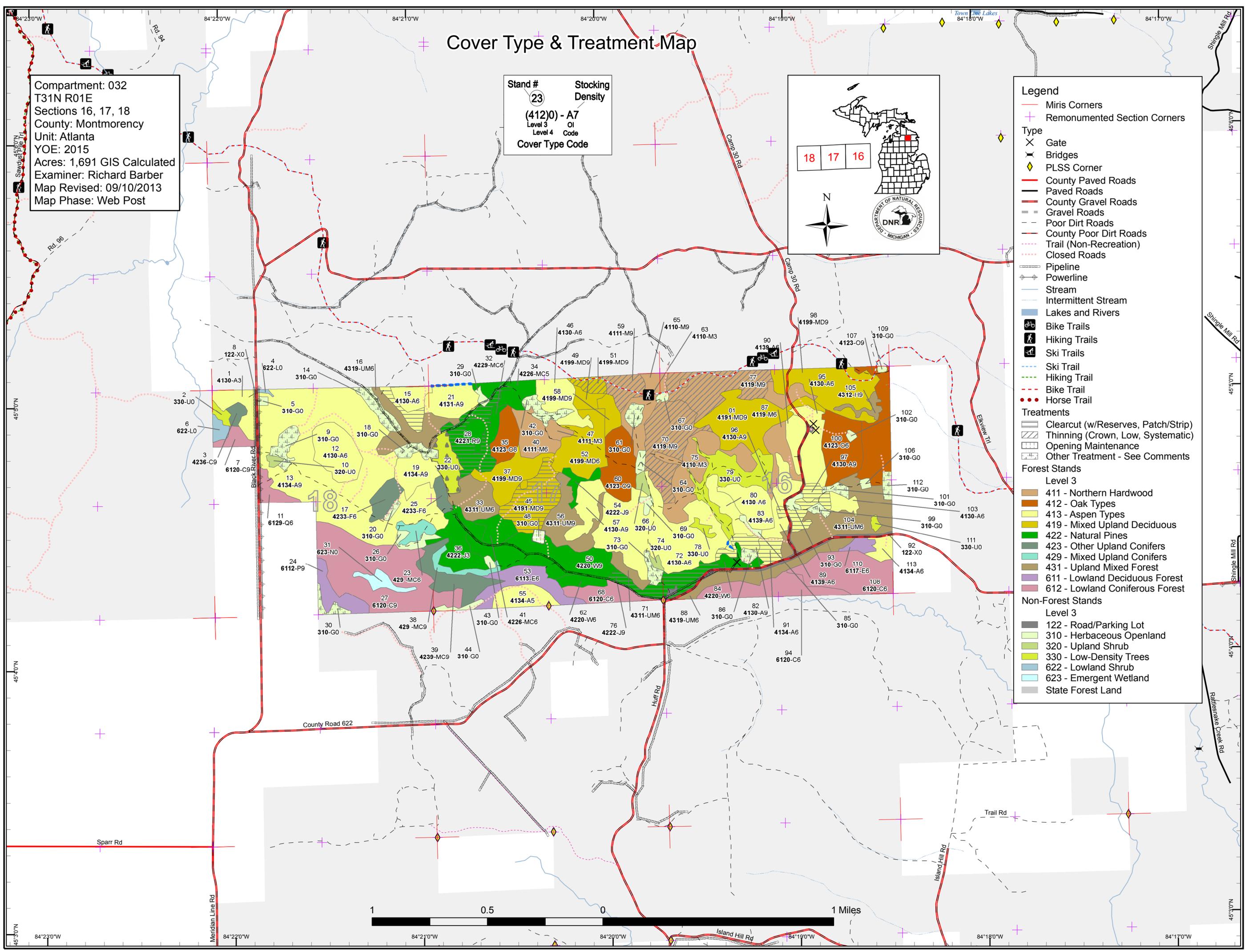
Cover Type & Treatment Map

Compartment: 032
 T31N R01E
 Sections 16, 17, 18
 County: Montmorency
 Unit: Atlanta
 YOE: 2015
 Acres: 1,691 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 09/10/2013
 Map Phase: Web Post

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



- Legend**
- Type**
- Miris Corners
 - Remonumented Section Corners
 - ✕ Gate
 - Bridges
 - ◆ PLSS Corner
 - County Paved Roads
 - Paved Roads
 - County Gravel Roads
 - Gravel Roads
 - Poor Dirt Roads
 - County Poor Dirt Roads
 - Trail (Non-Recreation)
 - Closed Roads
 - Pipeline
 - Powerline
 - Stream
 - Intermittent Stream
 - Lakes and Rivers
 - Bike Trails
 - Hiking Trails
 - Ski Trails
 - Ski Trail
 - Hiking Trail
 - Bike Trail
 - Horse Trail
- Treatments**
- Clearcut (w/Reserves, Patch/Strip)
 - Thinning (Crown, Low, Systematic)
 - Opening Maintenance
 - Other Treatment - See Comments
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 422 - Natural Pines
 - 423 - Other Upland Conifers
 - 429 - Mixed Upland Conifers
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3**
- 122 - Road/Parking Lot
 - 310 - Herbaceous Openland
 - 320 - Upland Shrub
 - 330 - Low-Density Trees
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland
 - State Forest Land

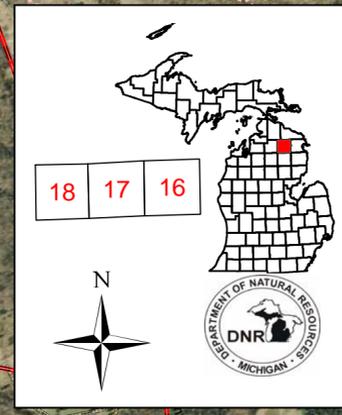


Map coordinates: 84°23'0"W, 84°22'0"W, 84°21'0"W, 84°20'0"W, 84°19'0"W, 84°18'0"W, 84°17'0"W
 45°30'N, 45°40'N, 45°50'N

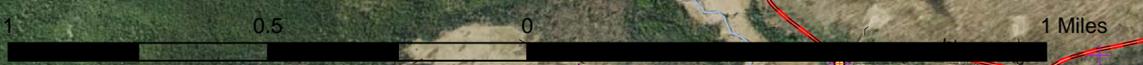
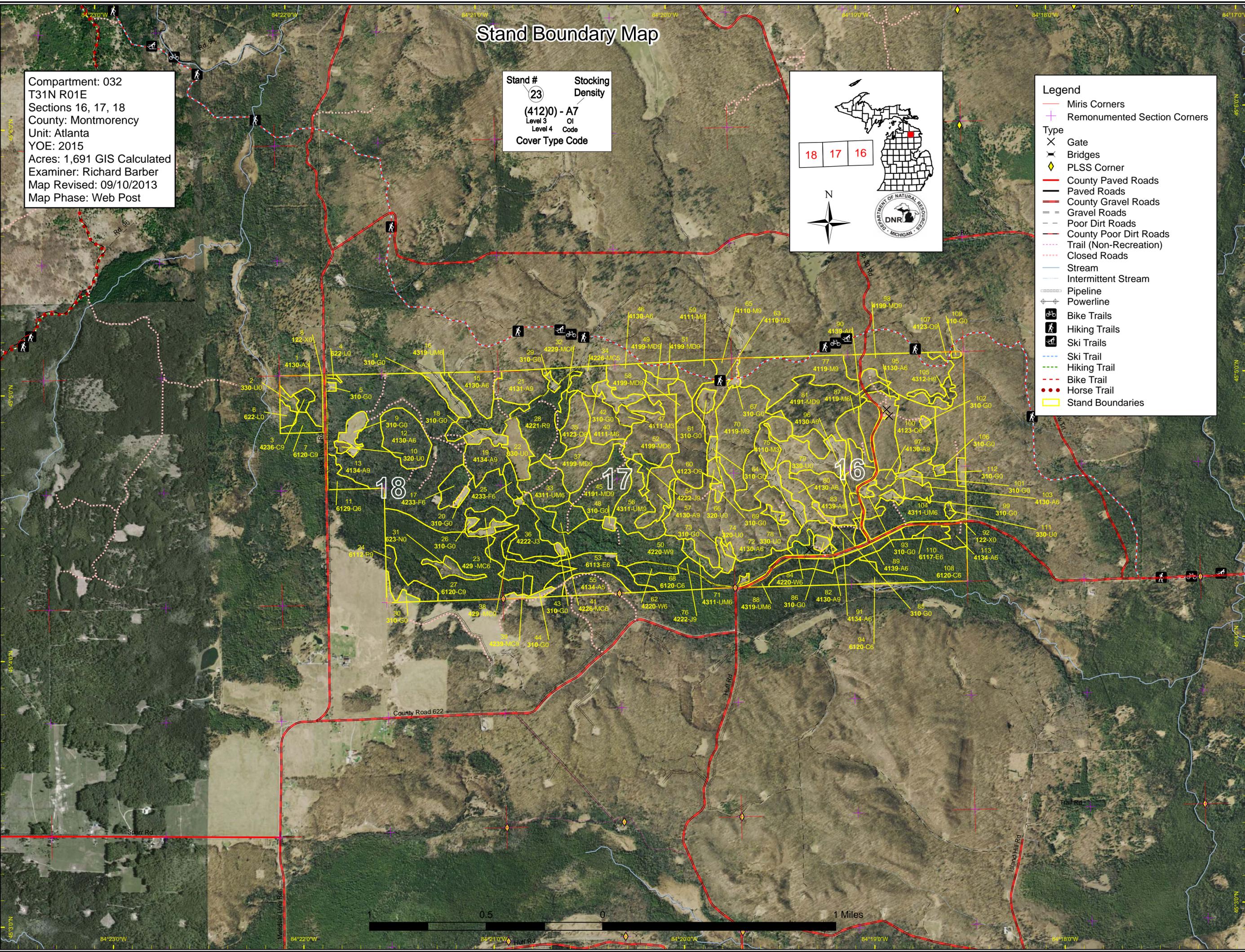
Stand Boundary Map

Compartment: 032
 T31N R01E
 Sections 16, 17, 18
 County: Montmorency
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 YOE: 2015
 Acres: 1,691 GIS Calculated
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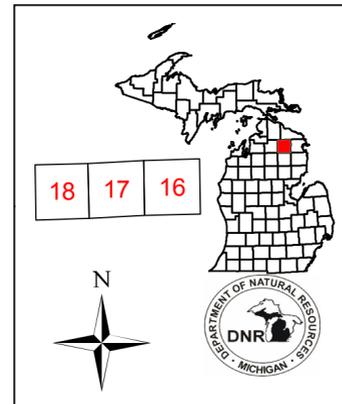
- Legend**
- Miris Corners
 - Remonumented Section Corners
 - Type
 - X Gate
 - Bridges
 - ◆ PLSS Corner
 - County Paved Roads
 - Paved Roads
 - County Gravel Roads
 - Gravel Roads
 - Poor Dirt Roads
 - County Poor Dirt Roads
 - Trail (Non-Recreation)
 - Closed Roads
 - Stream
 - Intermittent Stream
 - Pipeline
 - Powerline
 - 🚲 Bike Trails
 - 🚶 Hiking Trails
 - 🏂 Ski Trails
 - Ski Trail
 - Hiking Trail
 - Bike Trail
 - Horse Trail
 - Stand Boundaries



Special Conservation Areas & Site Conditions Map

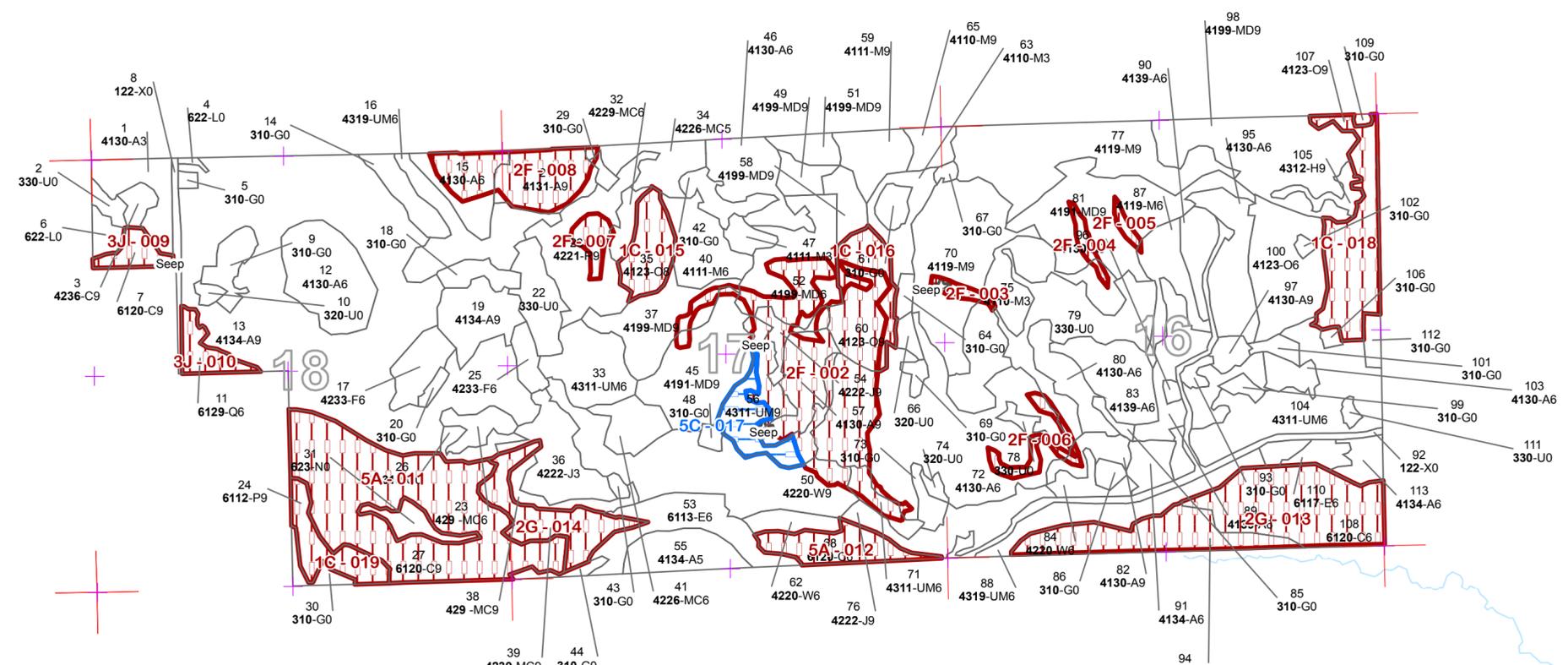
Compartment: 032
 T31N R01E
 Sections 16, 17, 18
 County: Montmorency
 Unit: Atlanta
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 Acres: 1,691 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 09/10/2013
 Map Phase: Web Post

Stand #
 (23)
 (412)0) - 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's
- 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	13	98	102	253	0	0	0	33	0	0	0	0	0	500
Cedar	0	0	0	0	0	0	0	0	0	65	14	82	10	0	172
Hemlock	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5
Herbaceous Openland	77	0	0	0	0	0	0	0	0	0	0	0	0	0	77
Jack Pine	0	0	0	0	0	20	5	18	0	0	0	0	0	0	43
Low-Density Trees	49	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	12	0	0	0	0	0	12
Lowland Conifers	0	0	0	0	0	0	0	0	7	0	0	0	0	0	7
Lowland Deciduous	0	0	0	5	0	0	0	21	0	0	0	0	0	0	26
Lowland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Marsh	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	0	0	30	0	0	0	0	108	47	0	0	0	0	185
Natural Mixed Pines	0	0	0	17	0	10	0	0	0	0	0	0	0	0	27
Northern Hardwood	0	0	44	17	0	0	0	0	59	64	0	0	0	0	184
Oak	0	0	0	0	0	28	0	0	38	30	0	0	0	0	95
Red Pine	0	0	0	0	0	0	0	0	30	0	0	0	0	0	30
Upland Conifers	0	0	0	0	7	0	0	20	0	0	6	0	0	0	33
Upland Mixed Forest	0	0	6	0	63	40	23	0	0	0	0	0	0	0	132
Upland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Upland Spruce/Fir	0	0	0	0	10	5	0	0	0	0	0	0	0	0	15
Urban	20	0	0	0	0	0	0	0	0	0	0	0	0	0	20
White Pine	0	0	0	0	6	56	0	0	0	0	0	0	0	0	62
Total	163	13	147	171	338	158	28	60	288	211	21	82	10	0	1691



Report 2 – Proposed Treatment Summaries

Atlanta Mgt. Unit
Year of Entry 2015

Compartment 032
Total Compartment Acres: 1,690

Acres by Treatment Type

Commercial Harvest - 201 Tree Planting - 0 Other - 0
 Habitat Cut - 0 Opening Maintenance - 54

Cover Type by Harvest Method

	<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
Aspen Types	33	0	0	0	0	0	33
Mixed Upland Deciduous	29	0	0	0	6	0	35
Natural Pines	43	0	0	0	0	0	43
Northern Hardwood	0	0	0	0	90	0	90
Total	106	0	0	0	95	0	201



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
15	54032015- CCR	6.7	4130 - Aspen	High Density Pole	42		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal

Prescription Shortwood only, no removal of tops and no spring harvest, due to hills. Do not cut pine or oak. Paint steep slopes out of sale.

Specs:

Other

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.

Proposed

Start Date: 10/01/2014

28	54032028- CCR	25.1	42210 - Natural Red Pine	High Density Log	81	81-110	Harvest	Clearcut with Reserves	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription CCR. 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

Specs: the stand's species mix as a whole. Require chipping of tops.

Other

Comments:

Next Steps: Plant red pine. Acceptable regeneration is any combination of red pine, aspen, oak, spruce, fir, jack pine, or white pine resulting in a medium or well stocked stand incontrovertibly dominated by unsuppressed red pine. Site prep may require thermal, chemical or mechanical methods.

Proposed

Start Date: 10/01/2014

45	54032045- CCR	29.4	4191 - Mixed Upland Deciduous with Conifer	High Density Log	83	51-80	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
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Prescription CCR retaining red oak and white pine regen. Paint steep slopes out of sale. To protect remaining hills, shortwood only, no removal of tops or springtime harvest.

Specs:

Other 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.

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.

Proposed

Start Date: 10/01/2014

51	54032051-CT	5.8	4199 - Other Mixed Upland Deciduous	High Density Log	94	111-140	Harvest	Crown Thinning	4199 - Other Mixed Upland Deciduous	Cmpt. Review Proposal
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Prescription Crop tree release to 85 BA. Retention will be by area and should include less represented species. Retain conifer, if present.

Specs:

Other

Comments:

Next

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
59 54032059-CT	11.9	4111 - S.Maple, Hard Mast Association	High Density Log	94	111-140	Harvest	Crown Thinning	4111 - S.Maple, Hard Mast Association	Cmpt. Review Proposal

Prescription Crop tree release to 85 BA. Retention will be by area and should include less represented species. Retain conifers if present. No chipping of tops.

Other
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2014

70 54032070-CT	40.3	4119 - Mixed Northern Hardwoods	High Density Log	85	111-140	Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription Crop tree release to 70-80 BA. Retention will be by area and should include less represented species. Retain conifers if present. Shortwood only, no chipping of tops.

Other Paint out of sale entire east-west valley having 2-track and seeps. There may be other seeps in stand, which must be painted out with 100' buffer.

Next
Steps:

Proposed
Start Date: 10/01/2014

76 54032076-CCR	18.0	42220 - Natural Jack Pine	High Density Log	75		Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Cmpt. Review Proposal
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Prescription CCR. Do not cut white pine. Shortwood only. Tops may be forwarded concurrently with stems. 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 Regen survey. Acceptable regeneration is any combination of aspen, spruce, fir, 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

77 54032077-CT	37.6	4119 - Mixed Northern Hardwoods	High Density Log	94	81-110	Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription Remove ash and at least most beech, over those portions of stand which are one-third or more combined ash and beech. Leave 100' no cut buffer around 34.4" DBH red oak on south edge of HCP.

Other This is an ash and beech salvage. Maintain 20' slash free zone centered on HCP.

Next
Steps:

Proposed
Start Date: 06/01/2013

82 54032082-CCR	6.4	4130 - Aspen	High Density Log	46	51-80	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
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Prescription CCR. Do not cut white pine or red pine. Shortwood only, to protect hill.. No chipping of tops. 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 Regen survey. Acceptable regeneration is any combination of aspen, oak, spruce, fir, jack pine, red pine, or white pine resulting in a medium or well stocked stand.

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
91 54032091-CCR	6.8	4134 - Aspen, Spruce/Fir	High Density Pole	46		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal

Prescription CCR. Do not cut white pine or red pine. Shortwood only, to protect hill.. No chipping of tops. 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: Regen survey. Acceptable regeneration is any combination of aspen, oak, spruce, fir, jack pine, red pine, or white pine resulting in a medium or well stocked stand.

Proposed Start Date: 10/01/2014

96 54032096-CCR	9.4	4130 - Aspen	High Density Log	46	51-80	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription CCR. Do not cut white pine or red pine. 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: Regen survey. Acceptable regeneration is any combination of aspen, oak, spruce, fir, jack pine, red pine, or white pine resulting in a medium or well stocked stand.

Proposed Start Date: 10/01/2014

97 54032097-CCR	3.7	4130 - Aspen	High Density Log	37	51-80	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
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Prescription CCR. Do not cut white pine or red pine. 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: Regen survey. Acceptable regeneration is any combination of aspen, oak, spruce, fir, jack pine, red pine, or white pine resulting in a medium or well stocked stand.

Proposed Start Date: 10/01/2014

9 NF_54032009-NonFor	7.6	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
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Prescription Mow, burn, or plant to maintain open character and provide wildlife food sources

Other Comments:

Next Steps: Monitor and treat on rotation

Proposed Start Date: Unspecified

14 NF_54032014-NonFor	8.3	3102 - Grass				Non-Forest Management	Other - Specify	310 - Herbaceous Openland	Cmpt. Review Proposal
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Prescription Plant to food and cover crops for wildlife habitat

Other Comments:

Next Steps: Monitor and re-plant as needed to maintain crops

Proposed Start Date: 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
18	NF_54032018- NonFor	5.7	3102 - Grass				Non-Forest Management	Other - Specify	310 - Herbaceous Openland	Cmpt. Review Proposal
<u>Prescription</u> Plant to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor and re-plant as needed to maintain crops										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
20	NF_54032020- NonFor	1.7	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain opening using mechanical methods or fire										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor and treat on rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
30	NF_54032030- NonFor	3.5	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain opening using mechanical methods or fire to promote grasses										
<u>Specs:</u>										
<u>Other</u> Part of CMS 622 Viewing area and adjacent to private farmland										
<u>Comments:</u>										
<u>Next</u> Monitor and treat on a rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
42	NF_54032042- NonFor	7.1	3102 - Grass				Non-Forest Management	Other - Specify	310 - Herbaceous Openland	Cmpt. Review Proposal
<u>Prescription</u> Maintain opening in food and cover crops for wildlife values										
<u>Specs:</u>										
<u>Other</u> Knapweed present										
<u>Comments:</u>										
<u>Next</u> Monitor and treat on rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
48	NF_54032048- NonFor	1.8	3102 - Grass				Non-Forest Management	Brush Cutting	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Remove autumn olive to maintain opening character.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Herbicide stumps to prevent re-sprouting										
<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
61	NF_54032061- NonFor	4.2	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain opening using mechanical methods or fire										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor and treat on rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
73	NF_54032073- NonFor	3.8	3102 - Grass				Non-Forest Management	Other - Specify	310 - Herbaceous Openland	Cmpt. Review Proposal
<u>Prescription</u> Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor and treat on rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
86	NF_54032086- NonFor	2.4	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain grasses using mechanical methods or fire										
<u>Specs:</u>										
<u>Other</u> Well on site										
<u>Comments:</u>										
<u>Next</u> Monitor and treat on rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
99	NF_54032099- NonFor	2.1	3102 - Grass				Non-Forest Management	Other - Specify	310 - Herbaceous Openland	Cmpt. Review Proposal
<u>Prescription</u> Plant to food and cover crops for wildlife.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor and treat on rotation										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
101	NF_54032101- NonFor	2.8	3102 - Grass				Non-Forest Management	Other - Specify	310 - Herbaceous Openland	Cmpt. Review Proposal
<u>Prescription</u> Plant to food and cover crops for wildlife										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor and treat 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
112	NF_54032112- NonFor	3.0	3102 - Grass				Non-Forest Management	Other - Specify	310 - Herbaceous Openland	Cmpt. Review Proposal

Prescription: Plant to food and cover crops for wildlife or use mechanical methods or fire to maintain opening as funding allows.

Specs:

Other

Comments:

Next Moitor and treat on rotation.

Steps:

Proposed

Start Date: Unspecified

**Total Treatment
Acreage Proposed: 254.9**

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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

Compartment 032

Richard Barber : Examiner

Year of Entry 2015

Availability for Management

Total Acres	Acres		Dominant Site Conditions	Dominant Site Conditions						
	Available	Not Available		No	5C	5A	3J	2G	2F	1C
500	439	61	Aspen	439					61	
172	6	166	Cedar	6		96	6	64		
5	5		Hemlock	5						
43	38	4	Jack Pine	38					4	
12		12	Lowland Aspen/Balsam Poplar							12
7		7	Lowland Conifers				7			
26	26		Lowland Deciduous	26						
185	168	17	Mixed Upland Deciduous	168					17	
27	27	0	Natural Mixed Pines	27					0	
184	181	3	Northern Hardwood	181					3	
95	28	67	Oak	28					14	53
30	25	5	Red Pine	25					5	
33	13	20	Upland Conifers	13				20		
132	116	15	Upland Mixed Forest	105	11				15	
15	15		Upland Spruce/Fir	15						
62	59	3	White Pine	59					3	
1,527	1,144	383	Total Forested Acres	1,133	11	96	13	84	123	66
	75%	25%	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	82	3J: Water quality / BMPs (stream, river, or lake)			
Comments: Has two known seeps on west edge. Not fully inventoried for seeps.							
003	Not Available	2F: Too steep	2	3J: Water quality / BMPs (stream, river, or lake)			
Comments: steep on edges, seep in the bottom.							

Report 5 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment 032
Year of Entry 2015

004	Not Available	2F: Too steep	3	
Comments:				
005	Not Available	2F: Too steep	2	
Comments:				
006	Not Available	2F: Too steep	6	
Comments:				
007	Not Available	2F: Too steep	5	
Comments:				
008	Not Available	2F: Too steep	25	
Comments:				
009	Not Available	3J: Water quality / BMPs (stream, river, or lake)	6	5A: Not able to obtain desirable regeneration
Comments: Spring with drainage channel..				
010	Not Available	3J: Water quality / BMPs (stream, river, or lake)	7	
Comments: Free flowing cold water stream.				

Report 5 – Site Conditions

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011	Not Available	5A: Not able to obtain desirable regeneration	82	2G: Too wet (sensitive soils, does not include access issues)	3J: Water quality / BMPs (stream, river, or lake)
Comments: North half quite wet. Free flowing cold water stream.					
012	Not Available	5A: Not able to obtain desirable regeneration	14	2G: Too wet (sensitive soils, does not include access issues)	
Comments:					
013	Not Available	2G: Too wet (sensitive soils, does not include access issues)	64	5A: Not able to obtain desirable regeneration	
Comments:					
014	Not Available	2G: Too wet (sensitive soils, does not include access issues)	20		
Comments:					
015	Not Available	1C: Other dept or div proc/practices	13	5C: Delay treatment for age/size class diversity or exceptional site quality	
Comments: 1C: MDNR Oak Management Guideline, June , 2000.					

Report 5 – Site Conditions

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016	Not Available	1C: Other dept or div proc/practices	10	5C: Delay treatment for age/size class diversity or exceptional site quality
Comments: 1C: MDNR Oak Management Guideline, June , 2000.				
017	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	
Comments: Holding stand to reach larger diameter.				
018	Not Available	1C: Other dept or div proc/practices	30	5C: Delay treatment for age/size class diversity or exceptional site quality
Comments: 1C: MDNR Oak Management Guideline, June , 2000.				
019	Not Available	1C: Other dept or div proc/practices	12	
Comments:				



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 Comments	Spring-Seeps, Riparian Areas	Spring Seep	SCA	0.0
Seep Comments	Spring-Seeps, Riparian Areas	Spring Seep	SCA	0.0
Seep Comments	Spring-Seeps, Riparian Areas	Spring Seep	SCA	0.4
Seep Comments	Spring-Seeps, Riparian Areas	Spring Seep	SCA	0.4



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 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: 032
Year of Entry: 2015

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4130 - Aspen	High Density Sapling	12.8	19		
42360 - Upland Cedar	High Density Log	3.7	126		
6120 - Lowland Cedar	High Density Log	6.0	126		
6129 - Mixed Coniferous Lowland Forest	High Density Pole	7.4	89		
4130 - Aspen	High Density Pole	25.8	42		
4134 - Aspen, Spruce/Fir	High Density Log	167.8	42		
4130 - Aspen	High Density Pole	15.4	42		
4319 - Mixed Upland Forest	High Density Pole	21.4	53	51-80	
42330 - Upland Fir	High Density Pole	9.8	42		
4134 - Aspen, Spruce/Fir	High Density Log	15.6	42		
4131 - Aspen, Oak	High Density Log	18.3	81		
429 - Mixed Upland Conifers	High Density Pole	6.6	42		
6112 - Lowland Aspen	High Density Log	12.4	87		
42330 - Upland Fir	High Density Pole	5.0	50		
6120 - Lowland Cedar	High Density Log	82.0	110		
42210 - Natural Red Pine	High Density Log	30.0	81	81-110	
42290 - Natural Mixed Pine	High Density Pole	4.8	38	51-80	
4311 - Pine, Aspen Mix	High Density Pole	18.4	53	1-50	

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 032
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
34	42260 - Natural Pine, Mixed Deciduous	Medium Density Pole	12.6	38	1-50	
35	4123 - Red Oak	Medium Density Log	13.3	83	51-80	
36	42220 - Natural Jack Pine	High Density Sapling	19.6	50		
37	4199 - Other Mixed Upland Deciduous	High Density Log	22.2	83	51-80	
38	429 - Mixed Upland Conifers	High Density Log	6.1	103	1-50	
39	42390 - Mixed Non- Pine Upland Conifers	High Density Log	20.1	73		
40	4111 - S.Maple, Hard Mast Association	High Density Pole	16.6	85	81-110	New stand added.
41	42260 - Natural Pine, Mixed Deciduous	High Density Pole	9.7	53	1-50	
45	4191 - Mixed Upland Deciduous with Conifer	High Density Log	30.6	83	51-80	
46	4130 - Aspen	High Density Pole	18.0	38	51-80	
47	4111 - S.Maple, Hard Mast Association	High Density Sapling	4.2	38	1-50	
49	4199 - Other Mixed Upland Deciduous	High Density Log	5.6	85	51-80	
50	42200 - Natural White Pine	High Density Log	50.2	53	111-140	
51	4199 - Other Mixed Upland Deciduous	High Density Log	5.8	94	111-140	
52	4199 - Other Mixed Upland Deciduous	High Density Pole	29.8	38	1-50	
53	6113 - Lowland Maple	High Density Pole	21.5	73		
54	42220 - Natural Jack Pine	High Density Log	5.1	68		
55	4134 - Aspen, Spruce/Fir	Medium Density Pole	14.2	33		

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 032
Year of Entry: 2015

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4311 - Pine, Aspen Mix	High Density Log	23.3	68	51-80	
4130 - Aspen	High Density Log	14.9	85		New stand added.
4199 - Other Mixed Upland Deciduous	High Density Log	6.8	85	81-110	
4111 - S.Maple, Hard Mast Association	High Density Log	11.9	94	111-140	
4123 - Red Oak	High Density Log	24.4	85	81-110	
42200 - Natural White Pine	High Density Pole	6.0	53	1-50	
4110 - Sugar Maple Association	High Density Sapling	10.6	25	1-50	
4110 - Sugar Maple Association	High Density Log	5.9	94	51-80	
6120 - Lowland Cedar	High Density Pole	14.4	108		
4119 - Mixed Northern Hardwoods	High Density Log	42.4	85	111-140	
4311 - Pine, Aspen Mix	High Density Pole	5.7	25	1-50	
4130 - Aspen	High Density Pole	87.1	25		
4110 - Sugar Maple Association	High Density Sapling	33.2	25		
42220 - Natural Jack Pine	High Density Log	18.0	75		
4119 - Mixed Northern Hardwoods	High Density Log	46.1	94	81-110	
4130 - Aspen	High Density Pole	10.9	25		
4191 - Mixed Upland Deciduous with Conifer	High Density Log	43.0	86	81-110	
4130 - Aspen	High Density Log	7.1	46	51-80	

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 032
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
83	4139 - Aspen, Mixed Deciduous	High Density Pole	18.2	37	1-50	
84	42200 - Natural White Pine	High Density Pole	5.6	46	51-80	
87	4119 - Mixed Northern Hardwoods	High Density Pole	13.0	37	51-80	
88	4319 - Mixed Upland Forest	High Density Pole	18.1	46		
89	4139 - Aspen, Mixed Deciduous	High Density Pole	14.6	37	51-80	
90	4139 - Aspen, Mixed Deciduous	High Density Pole	8.4	37	51-80	
91	4134 - Aspen, Spruce/Fir	High Density Pole	6.8	46		
94	6120 - Lowland Cedar	High Density Pole	25.4	95		
95	4130 - Aspen	High Density Pole	19.5	37	51-80	
96	4130 - Aspen	High Density Log	9.4	46	51-80	
97	4130 - Aspen	High Density Log	3.7	37	51-80	
98	4199 - Other Mixed Upland Deciduous	High Density Log	41.5	94	81-110	
100	4123 - Red Oak	High Density Pole	28.0	50	1-50	
103	4130 - Aspen	High Density Pole	5.4	46	1-50	
104	4311 - Pine, Aspen Mix	High Density Pole	44.7	46	51-80	
105	4312 - Hemlock, Mixed Deciduous	High Density Log	4.6	94		
107	4123 - Red Oak	High Density Log	29.7	94	51-80	
108	6120 - Lowland Cedar	High Density Pole	40.1	95		

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Atlanta Mgt. Unit

Report 8 – Forested Stands

Compartment: 032
Year of Entry: 2015



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
110	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	4.5	38		
113	4134 - Aspen, Spruce/Fir	High Density Pole	5.9	38		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	330 - Low-Density Trees	2.8	Unspecified	Unspecified	
4	622 - Lowland Shrub	0.6	Unspecified	Unspecified	
5	3102 - Grass	1.1	Unspecified	Unspecified	
6	622 - Lowland Shrub	3.8	Unspecified	Unspecified	
8	122 - Road/Parking Lot	4.2	Unspecified	Unspecified	
9	3102 - Grass	7.6	Unspecified	Unspecified	
10	320 - Upland Shrub	1.7	Unspecified	Unspecified	
14	3102 - Grass	8.3	Unspecified	Unspecified	
18	3102 - Grass	5.7	Unspecified	Unspecified	New stand added.
20	3102 - Grass	1.7	Unspecified	Unspecified	
22	3302 - Low Density Conifer Trees	12.9	Natural Regen	Jack Pine	
26	3102 - Grass	4.7	Unspecified	Unspecified	
29	3102 - Grass	1.6	Unspecified	Unspecified	
30	3102 - Grass	3.5	Unspecified	Unspecified	
31	623 - Emergent Wetland	6.3	Unspecified	Unspecified	
42	3102 - Grass	7.1	Unspecified	Unspecified	
43	3102 - Grass	1.2	Unspecified	Unspecified	
44	3102 - Grass	2.6	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
48	3102 - Grass	1.8	Unspecified	Unspecified	
61	3102 - Grass	4.2	Unspecified	Unspecified	
64	3102 - Grass	2.4	Unspecified	Unspecified	
66	320 - Upland Shrub	2.6	Unspecified	Unspecified	
67	3102 - Grass	1.2	Unspecified	Unspecified	
69	3102 - Grass	2.0	Unspecified	Unspecified	
73	3102 - Grass	3.8	Unspecified	Unspecified	
74	320 - Upland Shrub	1.5	Unspecified	Unspecified	
78	330 - Low-Density Trees	2.3	Unspecified	Unspecified	
79	330 - Low-Density Trees	30.1	Unspecified	Unspecified	
85	3102 - Grass	1.7	Unspecified	Unspecified	
86	3102 - Grass	2.4	Unspecified	Unspecified	
92	122 - Road/Parking Lot	16.1	Unspecified	Unspecified	
93	3102 - Grass	2.0	Unspecified	Unspecified	
99	3102 - Grass	2.1	Unspecified	Unspecified	
101	3102 - Grass	2.8	Unspecified	Unspecified	
102	3102 - Grass	1.0	Unspecified	Unspecified	
106	3102 - Grass	1.2	Unspecified	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
109	3102 - Grass	0.7	Unspecified	Unspecified	
111	330 - Low-Density Trees	1.3	Unspecified	Unspecified	
112	3102 - Grass	3.0	Unspecified	Unspecified	