



# Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54007

Entry Year 2024

Acreage: 1,770

County Montmorency

Management Area: Avery Hills

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**Stand Examiner:** Darrick Coy

## **Legal Description:**

T29N R2E Sections 4, 5, and 6

## **Identified Planning Goals:**

To provide for the protection, integrated management and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan. Harvests prescribed will help to balance the age classes of aspen and other deciduous cover types to sustainably produce various timber products, enhance game and non-game wildlife habitat and provide for forest-based recreational uses.

## **Soil and topography:**

Soils are mostly well to excessively drained sands, specifically, Rubicon and Roselawn in uplands. Lowlands are fairly sparse in the compartment and mostly occur in small narrow areas. Overall, the topography is rolling to steep. The compartment forest habitat types are mostly PARVHa & PARVVb. The compartment is dominated by aspen and oak cover types.

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

Mostly state owned land, a private ski club converted into a hunting club juts into the compartment within section 6. State land borders to the adjacent north and south of the compartment. Land use within the compartment is primarily, antrim oil and gas, ORV recreation, and various hunting activities. Some year-round residences are located at the east end of the compartment along Avery Lake to the northeast.

## **Unique Natural Features:**

Occurrences of grizzled zipper, sloe plum, and common loon.

See MNFI records. Potentially other rare and endangered species present. Contact Michigan Natural Features Inventory for more information or reporting.

## **Archeological, Historical, and Cultural Features:**

No known sites exist. Contact the State Historical Preservation Office for more information or reporting of new sites.

## **Special Management Designations or Considerations:**

Where appropriate, establish planted pine in medium to high site quality oak stands where natural regeneration stocking and is low, heavily impacted by large game browse, or difficult due to other deciduous competition. All management activities must follow Best Management Practice (BMP) guidelines when conducted within the areas that are significantly wet and adjacent to Avery Lake.

## **Watershed and Fisheries Considerations:**

Sheridan Creek, tributaries to Crooked Creek, and Avery Lake.

## **Wildlife Habitat Considerations:**

## **Mineral Resource and Development Concerns and/or Restrictions**

An open sand/gravel pit is located in Section 22 (State-owned Vondette Road Pit), just over two miles southeast of the compartment, and there appears to be good sand & gravel potential in the compartment, but any surface mining would need to avoid oil & gas infrastructure. This area has been developed for and is producing gas from the Antrim Shale. All State-owned mineral rights are currently leased and held by production. Due to the persistent low price of natural gas, there is unlikely to be any additional Antrim development in the compartment in the near future, and there is no known potential for hydrocarbon production from other proven formations. There is no known metallic mineral potential in this part of the state.

## **Vehicle Access:**

Access to the compartment is almost too good. There are quite a few of access two-tracks were created from oil and gas easements. Trash dumping within the compartment was surprisingly minimal.

View the status of state forest roads open to conventional motorized use within the compartment online using the Michigan DNR interactive roads maps or download printable maps for free.

**Survey Needs:**

Section 6 private parcels

**Recreational Facilities and Opportunities:**

Atlanta to Hunt Creek Motorcycle MCCCT. The area is primarily used for ORVs, hunting, and fishing. Some existing illegal ORV route locations will be blocked off through timber sale specifications.

View the status of state forest roads open to motorized and non-motorized recreational use within the compartment online using the Michigan DNR interactive maps or download printable maps for free.

**Fire Protection:**

Atlanta DNR and Tri-Township VFD

**Additional Compartment Information:**

**The following reports from the Inventory are attached:**

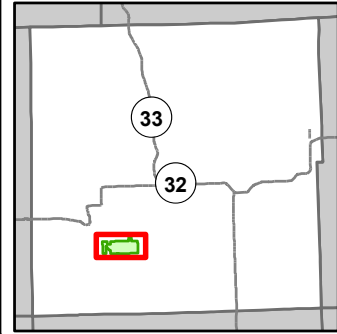
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

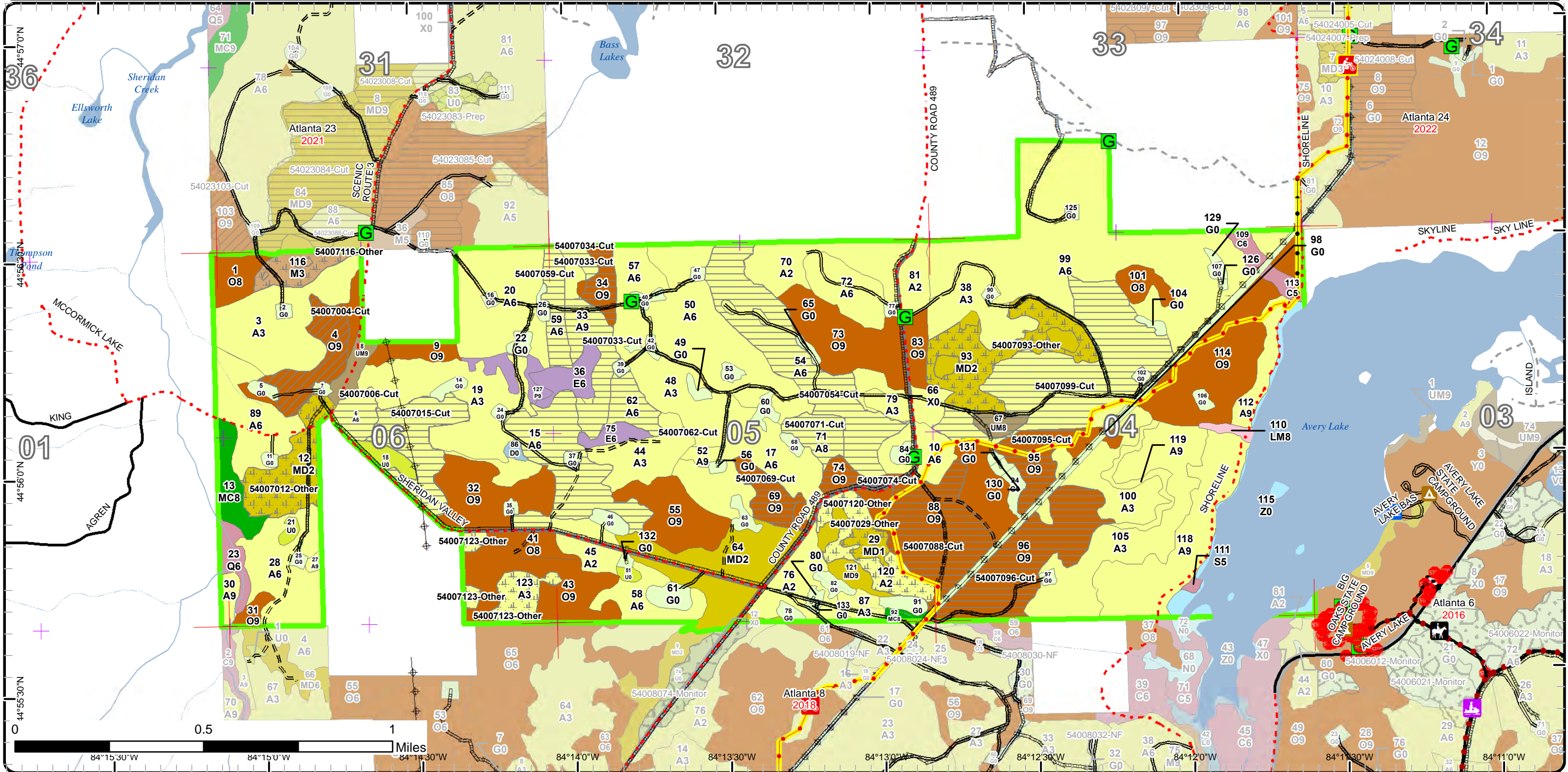
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 7  
 T29N, R02E, Sec. 4-6, 8  
 T30N, R02E, Sec. 33  
 County: Montmorency  
 Unit: Atlanta  
 Mgmt Area: Avery Hills  
 YOE: 2024  
 Acres: 1769.6 GIS Calculated  
 Examiner: Darrick Coy  
 Map Revised: 11/16/2022  
 Map Phase: Post-Review

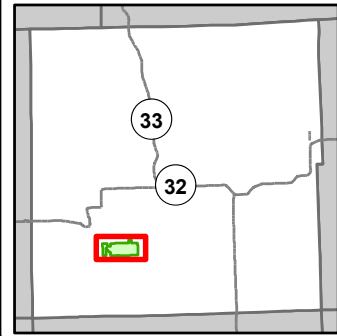


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Horse Trails
- Motorcycle Trails (DNR License)
- MCCCT Trails
- Snowmobile Trails
- Designated Equestrian Trails
- Designated Multi-Use Trails
- ORV License
- ORV License & Trail Permit
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- ▲ Berms
- G Gate
- B Boating Access Site
- ▲ Campground
- P Parking Lot
- STOP Sign
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- + Powerline
- Parking Lot
- Compartment Boundary
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub



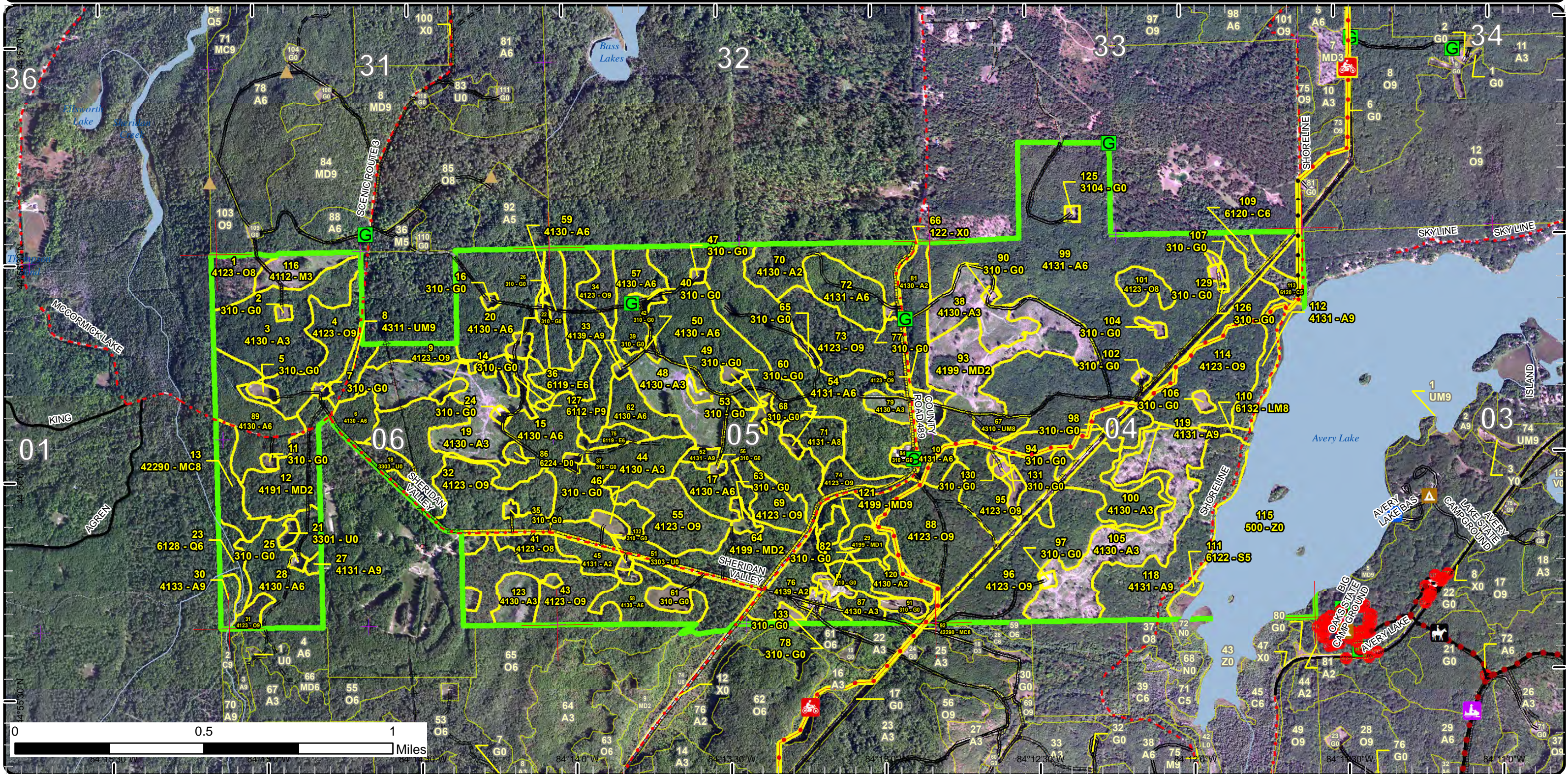
# Stand Boundary Map

Compartment: 7  
 T29N, R02E, Sec. 4-6, 8  
 T30N, R02E, Sec. 33  
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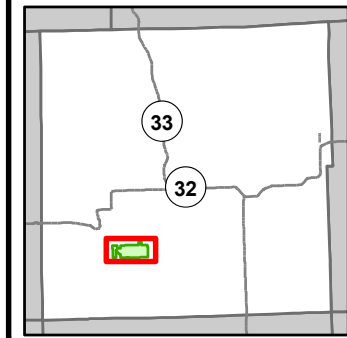
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- Counties
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# Special Conservation Areas

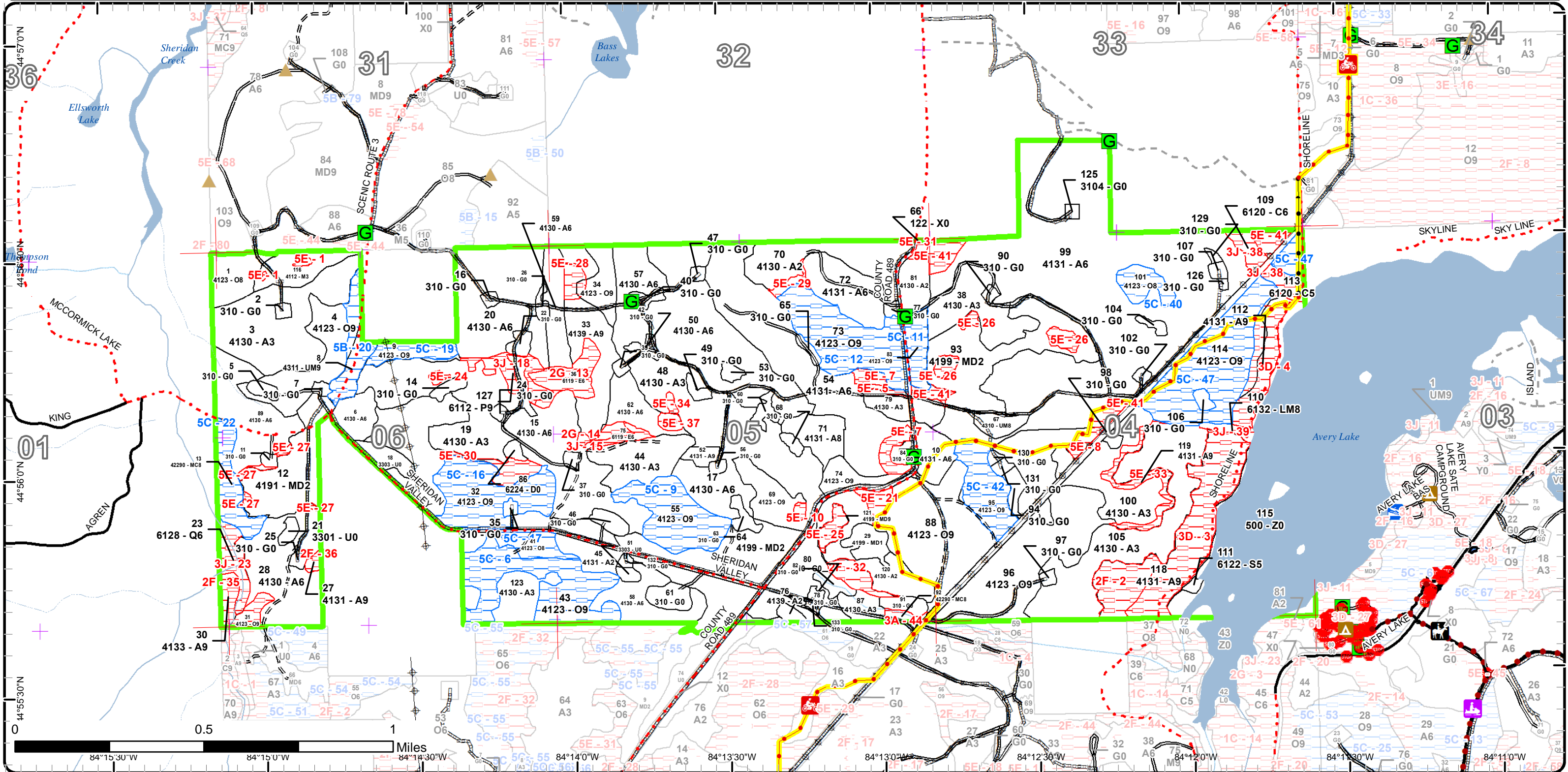
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- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Parking Lot
- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)

- 3A: Conservation Values incompatible with harvest at this time
- 3D: Recreational / Scenic values
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- Riparian Area



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	203	28	84	131	394	67	0	0	0	38	65	0	0	0	0	0	0	1009
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8
Herbaceous Openland	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82
Low-Density Trees	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	14
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
Lowland Spruce/Fir	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Mixed Upland Deciduous	0	69	38	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	115
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	2	0	14
Northern Hardwood	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Oak	0	0	0	0	0	0	0	0	0	0	68	301	0	0	0	0	0	0	369
Treed Bog	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	4	6	0	0	0	0	0	0	0	10
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Water	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
<b>Total</b>	<b>204</b>	<b>283</b>	<b>66</b>	<b>84</b>	<b>131</b>	<b>395</b>	<b>74</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>112</b>	<b>388</b>	<b>8</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1771</b>



## Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 7  
Total Compartment Acres: 1,770

Commercial Harvest - 387  
Harvests with Site Condition - 0  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	240	0	0	0	0	0	0	0	0	240
Oak	125	0	0	0	18	0	0	0	0	142
Upland Mixed Forest	4	0	0	0	0	0	0	0	0	4
<b>Total</b>	<b>369</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>387</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	387	0	0	0	0	0	104	0	0	491
Next Step	0	41	41	0	0	82	451	0	0	615
<b>Total</b>	<b>387</b>	<b>41</b>	<b>41</b>	<b>0</b>	<b>0</b>	<b>82</b>	<b>451</b>	<b>104</b>	<b>0</b>	<b>1106</b>



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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**Approved Treatments:**

<b>4</b>	<b>54007004-Cut</b>	17.7	4123 - Red Oak	Sawtimber Well	93	111-140	Harvest	Crown Thinning	4123 - Red Oak	Even-Aged	No
<p><u>Prescription</u> -thin to 80 residual BA-mark to cut and remove trees with weak or suppressed crowns</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
<b>6</b>	<b>54007006-Cut</b>	7.7	4130 - Aspen	Poletimber Well	36	51-80	Harvest	Clearcut	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> -clearcut (partial stand harvest)</p> <p><u>Specs:</u> -no area retention due to small stand size -include grouse tree sale specification and recommend marking trees to leave</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> -any combination of aspen, pine, maple, oak, and fir of medium to high stocking</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
<b>12</b>	<b>54007012-Other</b>	24.4	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	5	1-50	Other	Other	4131 - Aspen, Oak	Even-Aged	No
<p><u>Prescription</u> -stand has regenerated to mixed upland deciduous with conifer of medium to high stocking</p> <p><u>Specs:</u> -variance through compartment review to accept mixed upland deciduous with conifer cover type -aspen, oak cover type was not achieved</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											





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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>15</b>	<b>54007015-Cut</b>	61.2	4130 - Aspen	Poletimber Well	52	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
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Prescription -clearcut (partial stand harvest)-leave 3-10% in area retention (already excluded- see site conditions layer)-leave all white pine (if present)  
Specs: not to exceed a cumulative residual BA of 10 (should not need to mark to leave)-include grouse tree sale specification and recommend marking trees to leave

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable -aspen, maple, oak, pine, and fir of medium to high stocking

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

<b>29</b>	<b>54007029-Other</b>	5.5	4199 - Other Mixed Upland Deciduous	Sapling Poor	5	Immature	Other	Other	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription -failed to achieve oak, aspen cover type objective- variance to accept a other mixed deciduous cover type of moderate and poor stocking at the YOE 2024 compartment review

Specs:

Next Step

Treatments:

Acceptable -oak, aspen, and red maple regeneration of poor to medium stocking is expected

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

<b>33</b>	<b>54007033-Cut</b>	20.8	4139 - Aspen, Mixed Deciduous	Sawtimber Well	97	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription -clearcut

Specs: -leave 3-10% in area retention (already excluded- see site conditions layer)  
-leave all white pine and/or red pine not to exceed a cumulative residual BA of 10 (should not need to mark to leave)  
-include grouse tree sale specification and recommend marking trees to leave

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable -any combination of aspen, maple, oak, pine, and fir of medium to high stocking

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>34</b>	<b>54007034-Cut</b>	8.0	4123 - Red Oak	Sawtimber Well	104	111-140	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription -clearcut  
Specs: -leave 3-10% in area retention (already excluded- see site conditions layer)  
 -leave all white pine and/or red pine not to exceed a cumulative residual BA of 10 (should not need to mark to leave)  
Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable -any combination of aspen, maple, oak, pine, and fir of medium to high stocking  
Regen: -alternative cover types of other mixed deciduous or red maple, conifer are also acceptable

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2023

<b>54</b>	<b>54007054-Cut</b>	50.4	4131 - Aspen, Oak	Poletimber Well	47	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
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Prescription -clearcut  
Specs: -leave area retention around oak stand and gas facility edge (already excluded- see site conditions layer)  
 -leave all white pine (if present) not to exceed a cumulative residual BA of 10 (should not need to mark to leave)  
 -include grouse tree sale specification and recommend marking trees to leave  
Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable -aspen, maple, oak, pine, and fir of medium to high stocking  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2023

<b>59</b>	<b>54007059-Cut</b>	10.8	4130 - Aspen	Poletimber Well	46	81-110	Harvest	Clearcut	4130 - Aspen	Even-Aged	No
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Prescription -clearcut  
Specs: -leave all white pine and/or red pine (if present) not to exceed a cumulative residual BA of 10 (should not need to mark to leave)  
 -area retention not necessary due to small stand size  
 -include grouse tree sale specification and recommend marking trees to leave  
Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable -aspen, maple, oak, pine, and fir of medium to high stocking  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>62</b>	<b>54007062-Cut</b>	9.8	4130 - Aspen	Poletimber Well	46	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
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Prescription -clearcut  
Specs: -exclude vernal pond/area retention from harvest (already excluded- see site conditions layer)  
 -leave all white pine (if present) not to exceed a cumulative residual BA of 10 (should not need to mark to leave)

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable -aspen, maple, oak, pine, and fir of medium to high stocking

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

<b>67</b>	<b>54007067-Cut</b>	4.4	4310 - Pine, Oak Mix	Sawtimber Medium	83	81-110	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription -clearcut  
Specs: -no area retention due to small stand size  
 -leave all white pine not to exceed a cumulative residual BA of 10 (should not need to mark to leave)

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable -medium to well stocking of aspen, red maple, pine, and oak regeneration is expected

Regen:

-also accept a mixed deciduous cover type

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

<b>69</b>	<b>54007069-Cut</b>	11.0	4123 - Red Oak	Sawtimber Well	96	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription -clearcut  
Specs: -leave 3-10% in retention pocket(s) (already excluded for steeper terrain)  
 -require the producer to place slash high and wide centered over harvested oak stumps with the goal of making the slash impenetrable by deer

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable -a combination of oak, maple, aspen, pine, and fir of medium to high stocking

Regen:

-conduct 1-year post-harvest oak stump sprout regeneration checks to assess the effectiveness of slash against deer browse until oak recruitment is complete.

-mixed deciduous cover type is also acceptable

Other

-post "No Firewood Collection" signs post-harvest for keeping slash in place over oak stumps

Comment:

-post harvest regeneration checks and no firewood collection signs were requested by Tim Greco.

Site Condition

Proposed Start Date: 10/1 /2023



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>71 54007071-Cut</b>	9.5	4131 - Aspen, Oak	Sawtimber Medium	95	81-110	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> -clearcut -no area retention due to small stand size-leave all white pine (if present) not to exceed a cumulative residual BA of 10 (should not need to mark to leave)-include grouse tree sale specification and recommend marking trees to leave</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -aspen, maple, oak, pine, and fir of medium to high stocking-due to old aspen age, alternative cover types of other mixed deciduous, or red maple, conifer are also acceptable</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>74 54007074-Cut</b>	6.0	4123 - Red Oak	Sawtimber Well	93	81-110	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> -clearcut</p> <p><u>Specs:</u> -no area retention due to small stand size -require the producer to place slash high and wide centered over harvested oak stumps with the goal of making the slash impenetrable by deer</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -a combination of oak, maple, aspen, pine, and fir of medium to high stocking -conduct 1-year post-harvest oak stump sprout regeneration checks to assess the effectiveness of slash against deer browse until oak recruitment is complete. -mixed deciduous cover type is also acceptable</p> <p><u>Other Comment:</u> -post "No Firewood Collection" signs post-harvest for keeping slash in place over oak stumps -post harvest regeneration checks and no firewood collection signs were requested by Tim Greco.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>88 54007088-Cut</b>	41.0	4123 - Red Oak	Sawtimber Well	103	111-140	Harvest	Clearcut with Retention	4113 - R.Maple, Conifer	Even-Aged	No
<p><u>Prescription</u> -clearcut</p> <p><u>Specs:</u> -leave 3-10% in retention pocket(s) along Atlanta to Hunt Creek MCCCT Trail (already excluded- see site conditions layer) -require the producer to place slash high and wide centered over harvested oak stumps with the goal of making the slash impenetrable by deer -protect the Atlanta to Hunt Creek MCCCT Trail in timber sale specifications</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate); SitePrep, Roller Chopping; Pesticide, Skidder - Site Prep; Planting, Unfurrowed; Monitoring, Treatments: Artificial Regen(1yr); Pesticide, Skidder - Site Prep; Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable Regen:</u> -a combination of oak, maple, aspen, pine, and fir of medium to high stocking -conduct 1-year post-harvest oak stump sprout regeneration checks to assess the effectiveness of slash against deer browse until oak recruitment is complete. -mixed upland deciduous, coniferous or planted red pine cover types are also acceptable -if approved per TMS consultation after regeneration check(s), incorporate planted red pine into the stand in significant areas (&gt;5 acres) where regeneration is dominated by red maple and/or oak is poorly stocked</p> <p><u>Other Comment:</u> -post "No Firewood Collection" signs post-harvest for keeping slash in place over oak stumps -post harvest regeneration checks and no firewood collection signs were requested by Tim Greco.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>93 54007093-Other</b>	33.1	4199 - Other Mixed Upland Deciduous	Sapling Medium	5	Immature	Other	Other	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> -failed to achieve aspen cover type objective  <u>Specs:</u> -variance to accept the other mixed upland deciduous cover type of medium to high stocking at the YOE 2024 compartment review  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable Regen:</u>  <u>Other Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>95 54007095-Cut</b>	15.0	4123 - Red Oak	Sawtimber Well	103	81-110	Harvest	Clearcut with Retention	4140 - Other Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> -clearcut (partial stand harvest)  <u>Specs:</u> -leave 3-10% in area retention as mapped (already excluded- see site conditions layer)                      -protect the Atlanta to Hunt Creek MCCCT Trail in timber sale specifications  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable Regen:</u> -any combination of aspen, maple, oak, pine, and fir of medium to high stocking                      -alternative cover types of aspen, oak, or red maple, conifer are also acceptable  <u>Other Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>96 54007096-Cut</b>	43.7	4123 - Red Oak	Sawtimber Well	104	111-140	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> -clearcut  <u>Specs:</u> -leave 3-10% in retention pocket(s)                      -place tops on cut oak stumps to inhibit regeneration browsing                      -leave all white pine and/or red pine not to exceed a cumulative residual BA of 10 (should not need to mark to leave)                      -protect the Atlanta to Hunt Creek MCCCT Trail in timber sale specifications                      -require the producer to place slash high and wide centered over harvested oak stumps with the goal of making the slash impenetrable by deer  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u>  <u>Acceptable Regen:</u> -any combination of aspen, pine, maple, oak, and fir of low to high stocking                      -conduct 1-year post-harvest oak stump sprout regeneration checks to assess the effectiveness of slash against deer browse until oak recruitment is complete.                      -red maple, conifer; mixed deciduous; non-forest (north 1/3rd of treatment only) cover types are also acceptable  <u>Other Comment:</u> -post "No Firewood Collection" signs post-harvest for keeping slash in place over oak stumps                      -post harvest regeneration checks and no firewood collection signs were requested by Tim Greco.  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2023</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>99</b>	<b>54007099-Cut</b>	69.7	4131 - Aspen, Oak	Poletimber Well	47	51-80	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	No
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Prescription -clearcut (partial stand harvest)  
Specs: -leave 3-10% in area retention (already excluded- see site conditions layer)  
 -leave all white pine and/or red pine not to exceed a cumulative residual BA of 10 (should not need to mark to leave)  
 -mark to leave 2-5 large crowned white oak in clumps every 2-3 acres  
 -protect the Atlanta to Hunt Creek MCCCT Trail in timber sale specifications  
 -include grouse tree sale specification and recommend marking trees to leave  
Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:  
Acceptable -aspen, maple, oak, pine, and fir of medium to high stocking  
Regen: -also accept mixed deciduous or oak cover type inclusions over 5 acres

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2023

<b>116</b>	<b>54007116-Other</b>	10.1	4112 - Maple, Beech, Cherry Association	Sapling Well	6	Immature	Other	Other	4121 - Oak, Aspen	Even-Aged	No
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Prescription -oak, aspen cover type objective was not achieved-variance to accept the current regeneration and Maple, Beech, Cherry Association cover type at compartment review -it is recommended to manage this area for other wildlife values due to small stand size and other factors associated in re-establishing more desirable tree species

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2023

<b>120</b>	<b>54007120-Other</b>	17.1	4130 - Aspen	Sapling Medium	5	Immature	Other	Other	4130 - Aspen	Even-Aged	No
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Prescription -failed to achieve oak, aspen cover type objective- variance to accept aspen cover type of moderate and high stocking at the YOE 2024 compartment review

Next Step  
Treatments:

Acceptable -oak, aspen, and red maple regeneration of medium to well stocking is expected  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
123 54007123-Other	13.6	4130 - Aspen	Sapling Well	6	Immature	Other	Other	4140 - Other Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> -variance to accept aspen cover type of medium to high stocking at compartment review</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

Total Treatment Acreage Proposed: **490.5**

Report 4 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 7  
Year of Entry: 2024

Availability for Management

Total Acres    Acres Available    Acres Available    Acres Not Available

Dominant Site Conditions

	Total Acres	Acres Available		Dominant Site Condition	Dominant Site Conditions							
		With Condition	Not Available		5B	5C	2F	2G	3A	3D	3J	5E
1009	910	0	98	Aspen	0	0	17			42	0	39
7	0	0	7	Cedar						0	7	
81	81	0	0	Herbaceous Openland	0	0						0
8	8	0	0	Low-Density Trees								
7	0	0	7	Lowland Aspen/Balsam Poplar							7	
7	0	0	7	Lowland Conifers		0					7	
14	0	0	14	Lowland Deciduous				12			2	
2	0	0	2	Lowland Mixed Forest						0	2	
1	1	0	0	Lowland Spruce/Fir								
114	100	0	13	Mixed Upland Deciduous		0	5					9
14	0	11	2	Natural Mixed Pines		11			2		0	0
11	10	0	1	Northern Hardwood								1
369	156	200	14	Oak	4	196	3			4	0	7
1	1	0	0	Treed Bog								
11	5	6	0	Upland Mixed Forest	6	0						
13	13	0	0	Urban		0						
100	100	0	0	Water						0		
1,768	1,386	218	165	Total Forested Acres	10	208	25	12	2	46	26	56
	78%	12%	9%	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
1	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long-Term Retention for 540291401, "LTD Aspen".							
2	Unavailable	2F: Too steep	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 7  
Year of Entry: 2024

3	Unavailable	3D: Recreational / Scenic values	32	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	Unavailable	3D: Recreational / Scenic values	14	2F: Too steep	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
<b>Comments:</b>							
5	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long-term retention and 66ft buffer between Stands 73 & 79 the Rx (for Stand 79) called for. Stand 79 is part of "Avery Hillzbilly" timber sale.							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	33	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -area retention for stand 54							
8	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -area retention for stand 95							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Report 4 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 7  
Year of Entry: 2024

10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> area retention for stand 69							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -no treatment needed at this time-stand will buffer adjacent treatments well this yoe-mast white oak							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	30	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -leave to protect wetland edge from rutting							

**Report 4 – Site Conditions**

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 7  
Year of Entry: 2024

16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -areas were left to protect multiple vernal ponds according to observations from adjacent timber sale preparer John St. Pierre							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -leave untreated, no need to harvest now, oak is on a average to good site and are healthy -not quite of size yet-harvest rm again when mature							
20	Available	5B: Maintain for regeneration purposes	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -leave untreated and let wp seed in as aspen mortalize -visual concerns							
21	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -stand 88 area retention							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 7  
Year of Entry: 2024

22	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -two-aged-treat once 2nd age class is harvestable							
23	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	7	2F: Too steep	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
<b>Comments:</b> -leave untreated, muck, steep slope, no access, and riparian/stream concerns							
24	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long-Term retention within Stand 19 for "LTD Aspen" timber sale.							
25	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long-term retention within Stand 88 for timber sale "Avery Hillzbilly". Site condition 2F-32 to the south is a "too steep" area excluded from sale but also has a secondary function of "Long-Term Retention" within Stand 88.							
26	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long-Term Retention for Stand 93 which is part of "Avery Hillzbilly" timber sale.							
27	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long-Term retention for treatment occurring in Stand 12 "LTD Aspen". Mainly the result of boundary excluded areas during sale prep activity. Leave tree marking occurred within treatment area.							
28	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -area retention for stands 33 and 34							

Report 4 – Site Conditions

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Compartment: 7  
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29	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> A one chain buffer between Stands 70 &amp; 73 that the Rx (for Stand 70) called for to serve as minimum retention. Stand 70 is part of "Avery Hillzbilly" timber sale.</p>							
30	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> -area retention for stand 15</p>							
31	Unavailable	5E: Long-Term Retention	1	2F: Too steep	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> Long-term retention as well as being quite steep. Rx for Stand 81 required this portion of the stand be excluded from "Avery Hillzbilly" timber sale.</p>							
32	Unavailable	2F: Too steep	5	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> Steep portion of stand excluded from sale boundary and is the dominant site condition. Will also serve as long-term retention in conjunction with 5E-25.</p>							
33	Unavailable	5E: Long-Term Retention	7	2F: Too steep	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> Primarily created as Long-Term Retention within Stand 105 for "Avery Hillzbilly" timber sale. However, some on this was boundary exclusion because of steep slopes that appeared to difficult/sensitive for harvesting operations. Also, Stand 105's Rx called for a 1-chain buffer between Stands 96 &amp; 105 to reduce epicormic branching.</p>							
34	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> area retention for stand 48</p>							
35	Unavailable	2F: Too steep	7	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b></p>							

Report 4 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 7  
Year of Entry: 2024

36	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
37	Unavailable	5E: Long-Term Retention	2	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -area retention for stand 62 -100ft protection area left along the vernal pond edge							
38	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
39	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
40	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
41	Unavailable	5E: Long-Term Retention	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -area retention for stand 99							

**Report 4 – Site Conditions**

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 7  
Year of Entry: 2024

42	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -leaving untreated this YOE due to heavy amount of surrounding oak cuts and most of the stand does not need a treatment							
44	Unavailable	3A: Conservation Values incompatible with harvest at this time	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
47	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	43	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: #Type!

Year of Entry:



## Report 5 – 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
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Comments

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**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area  
 HCVA = High Conservation Value Area  
 SCA = Special Conservation Area

Conservation Area	Type	Description
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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
1	4123 - Red Oak	Sawtimber Medium	10.3	97	1-50	N/A	-Thinned to 30-40 BA in 2015, Flat Iron Oak, 54-003-14-01. -rolling terrain																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Oak</td> <td>10</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>15</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>60</td> <td>Log/Pole</td> <td>14</td> <td>97</td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Oak	10	Log/Pole	13		White Pine	5	Log/Pole	14		Bigtooth Aspen	15	Log/Pole	12		Red Pine	5	Log	14		Red Oak	60	Log/Pole	14	97	Red Maple	5	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling	Bigtooth Aspen	Medium	10 - 20 feet	Sapling	Red Oak	Low	Variable	Sapling	Red Maple	Medium	Variable	Sapling	-conducted walk-through regeneration survey 3/21/22 during field inventory -regen survey passes- medium to high coverage of pine and maple with lesser amount of oak has been achieved			
Canopy Species	% Cover	Size Class	DBH	Age																																																										
White Oak	10	Log/Pole	13																																																											
White Pine	5	Log/Pole	14																																																											
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Red Pine	5	Log	14																																																											
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3	4130 - Aspen	Sapling Well	39.2	25	1-50	N/A	-past field inventory canopy data was collected during fall of 2012, diameters were only increased for 2024 YOE edge call -54-039-94-01 -12/11/96 completion																																																							
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4	4123 - Red Oak	Sawtimber Well	22.8	93	111-140	N/A	-mod-high site quality, ParVVb -stand was thinned and managed in the past, good spacing, form, and crown size -larger diameters than most other stands in the compartment																																																							
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8	4311 - Pine, Aspen Mix	Sawtimber Well	6.4	96	81-110	N/A	-heavier to pine to north and aspen to south																																																						
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9	4123 - Red Oak	Sawtimber Well	7.3	97	51-80	N/A	-some old unharvested portion to the eastern 1/3rd of stand -ParVVb site. -oak is on a average to good site and are healthy																																																						
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12	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	24.4	5	1-50	N/A	-completed 4/27/17 -mixed in structure, mast oak, species, size, and overall good results, was more of a seed- tree cut though, ba 20-30 -conducted regeneration walkthrough on 3/28/22 -stand has regenerated to mixed upland deciduous with conifer -variance through compartment review to accept mixed upland deciduous -aspen, oak cover type was not achieved																																																						
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18	3303 - Mixed Low Density Trees	Nonstocked	4.9	0		No	-open stand that regenerated poorly-scattered cherry, oak, and red maple																																																			
19	4130 - Aspen	Sapling Well	40.3	6	Immature	N/A	-wet areas, especially on road -North and SE corner- small wet areas to north end by road (see OFS) and to SE tip -harvest complete 9/30/15 -vvb site																																																			
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<b>20</b>	4130 - Aspen	Poletimber Well	39.4	35	51-80	N/A	-ponds and drainages to the SE portion of stand (SEE OFS) -54-026-84-01 -11/14/86 completion																																													
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<b>21</b>	3301 - Low Density Deciduous Trees	Nonstocked	1.7			No																																														
<b>22</b>	310 - Herbaceous Openland	Nonstocked	2.2			Managed Opening																																														
<b>23</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	7.0	126		N/A	-conifer corridor along upper main branch of Sheridan creek -from e-w species dominate quadrants as follows- aspen, wp/cedar/rp, and cedar to west -woodpeckers using a fair amount of cedar -smaller pole cedar west of creek and more log-sized cedar east of creek																																													
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<b>27</b>	4131 - Aspen, Oak	Sawtimber Well	1.1	101		N/A	-past field inventory canopy data was collected during fall of 2012, diameters were only increased for 2024 YOE edge call																																													
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<b>31</b>	4123 - Red Oak	Sawtimber Well	3.2	99	51-80	N/A	-on side of a steep hill (40-60%) and adjacent to stream/riparian area below -past field inventory canopy data was collected during fall of 2012, diameters were only increased for 2024 YOE edge call																																												
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<b>32</b>	4123 - Red Oak	Sawtimber Well	26.8	103	81-110	N/A	-moderate site quality, ParVVb -stand was thinned and managed in the 1996 (removed all trees except oak, unless marked with orange paint) -54-037-94-01 -1/4/96 completion -good spacing, form, and crown size due to past management -larger diameters than most other oak stands in the compartment -high level of red maple in sub-canopy -rm is 1-4 inches																																												
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33	4139 - Aspen, Mixed Deciduous	Sawtimber Well	23.6	97	81-110	N/A	-very diverse stand with scattered pools/small ponds -hemlock and cedar pockets																																																																					
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34	4123 - Red Oak	Sawtimber Well	8.6	104	111-140	N/A	-good quality oak																																																																					
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35	310 - Herbaceous Openland	Nonstocked	1.0				-past field visit inventory data was collected during fall 2012																																																																					
36	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	9.2	104	51-80	N/A	-many ponds and seeps -wettest in center of stand -wp mostly within south portion of stand boot-wear rubber boots!!-past field inventory canopy data was collected during fall of 2012, diameters were only increased for 2024 YOE edge call																																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**39** 310 - Herbaceous Openland Nonstocked 1.0 -past field visit inventory data was collected during fall 2012

**40** 310 - Herbaceous Openland Nonstocked 1.8 No -past field visit inventory data was collected during fall 2012

**41** 4123 - Red Oak Sawtimber Medium 6.5 107 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	10	Log/Pole	11		Black Cherry	Low	5 - 10 feet	Tall Shrub
Jack Pine	10	Pole/Log	7		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Northern Pin Oak	30	Log/Pole	13		Oak (spp.)	Medium	Variable	Sapling
Red Oak	50	Log/Pole	13	107	Red Maple	Medium	Variable	Sapling

**42** 310 - Herbaceous Openland Nonstocked 1.6 No -past field visit inventory data was collected during fall 2012

**43** 4123 - Red Oak Sawtimber Well 33.1 105 81-110 N/A

-moderate site quality, ParVVb  
-high level of red maple in sub-canopy

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	10	Log/Pole	11		Maple Leaved Viburnum	Medium	< 5 feet	Tall Shrub
Red Maple	10	Pole/Log	8		Striped Maple	Low	5 - 10 feet	Tall Shrub
Red Oak	80	Log/Pole	12	105	Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
					Witch Hazel	Medium	5 - 10 feet	Tall Shrub
					Beech	Low	Variable	Sapling
					Red Maple	Medium	Variable	Sapling

**44** 4130 - Aspen Sapling Well 16.1 26 1-50 N/A

-bottom and side of a steep north slope  
-past field inventory canopy data was collected during fall of 2012, diameters were only increased for 2024 YOE edge call -54-036-94  
-1/4/96 completion

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	20	Sapling/Pole	4		Red Maple	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	50	Sapling/Pole	4	26	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Red Maple	20	Sapling/Pole	3					
Red Oak	10	Sapling/Pole	4					

**45** 4131 - Aspen, Oak Sapling Medium 10.8 16 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	8	Sapling	2	
White Oak	10	Sapling	2	
Bigtooth Aspen	32	Sapling	2	16
Red Maple	30	Sapling	1	
Northern Pin Oak	20	Sapling	2	

**46** 310 - Herbaceous Openland Nonstocked 2.9 Managed Opening -past field visit inventory data was collected during fall 2012





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																	
47	310 - Herbaceous Openland	Nonstocked	0.9				-past field visit inventory data was collected during fall-winter 2012-2013																																																																																	
48	4130 - Aspen	Sapling Well	21.7	6	Immature	N/A	-recommend breaking up this stand now due to high amount of 36 year old aspen within the compartment -harvest complete 9/11/15																																																																																	
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49	310 - Herbaceous Openland	Nonstocked	1.6			Managed Opening	-past field visit inventory data was collected during fall-winter 2012-2013 -was used for a landing spot from recent harvest																																																																																	
50	4130 - Aspen	Poletimber Well	51.3	36	51-80	N/A	-more open and qa to northern 1/3rd-past field inventory canopy data was collected during fall-winter 2012-2013, diameters were only increased for 2024 YOE edge call-54-064-84-01-8/22/86 completion																																																																																	
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51	3303 - Mixed Low Density Trees	Nonstocked	1.3			No	-past field visit inventory data was collected during fall-winter 2012-2013																																																																																	
52	4131 - Aspen, Oak	Sawtimber Well	2.5	109		N/A	-small old pocket																																																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
55	4123 - Red Oak	Sawtimber Well	22.1	102	81-110	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		10	Pole/Log	7		Red Maple	Low	Variable	Sapling
Bigtooth Aspen		10	Log/Pole	11		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Red Oak		80	Log/Pole	11	102	Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
						Maple Leaved Viburnum	Low	5 - 10 feet	Tall Shrub
56	310 - Herbaceous Openland	Nonstocked	0.9				-past field visit inventory data was collected during fall-winter 2012-2013		
57	4130 - Aspen	Poletimber Well	16.6	46	51-80	N/A	-past field inventory canopy data was collected during fall-winter 2012-2013, diameters were only increased for 2024 YOE edge call		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		10	Pole/Sapling	6		Sugar Maple	Low	Variable	Sapling
Red Oak		5	Pole/Sapling	7		Red Maple	Medium	Variable	Sapling
Bigtooth Aspen		45	Pole/Sapling	7	46	Red Oak	Low	Variable	Sapling
Quaking Aspen		40	Pole/Sapling	7		Black Cherry	Low	5 - 10 feet	Tall Shrub
						White Ash	Low	Variable	Sapling
						Witch Hazel	Low	5 - 10 feet	Tall Shrub
58	4130 - Aspen	Poletimber Well	14.1	47	1-50	N/A	-past field inventory canopy data was collected during fall-winter 2012-2013, diameters were only increased for 2024 YOE edge call		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		15	Pole/Sapling	6		Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub
Red Oak		10	Pole/Sapling	6		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Quaking Aspen		10	Pole/Sapling	7		Oak (spp.)	Low	Variable	Sapling
Bigtooth Aspen		65	Pole/Sapling	7	47	Black Cherry	Low	5 - 10 feet	Tall Shrub
						Maple Leaved Viburnum	Low	< 5 feet	Tall Shrub
						Witch Hazel	Low	5 - 10 feet	Tall Shrub
						Red Maple	High	Variable	Sapling
59	4130 - Aspen	Poletimber Well	10.8	46	81-110	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Bigtooth Aspen		45	Pole/Sapling	7	46	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Quaking Aspen		40	Pole/Sapling	7		Red Maple	Medium	Variable	Sapling
Red Maple		10	Pole/Sapling	6		Red Oak	Low	Variable	Sapling
Red Oak		5	Pole/Sapling	6		White Ash	Low	Variable	Sapling
						Black Cherry	Low	5 - 10 feet	Tall Shrub
						Sugar Maple	Low	Variable	Sapling
60	310 - Herbaceous Openland	Nonstocked	2.4			Managed Opening	-past field visit inventory data was collected during fall-winter 2012-2013		
61	310 - Herbaceous Openland	Nonstocked	4.6			Managed Opening	-past field visit inventory data was collected during fall-winter 2012-2013		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
<b>62</b>	4130 - Aspen	Poletimber Well	11.4	46	81-110	N/A	-recommend breaking up this stand now due to high amount of 36 year old aspen within the compartment																																																								
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<b>63</b>	310 - Herbaceous Openland	Nonstocked	2.5			Managed Opening	-past field visit inventory data was collected during fall-winter 2012-2013																																																								
<b>64</b>	4199 - Other Mixed Upland Deciduous	Sapling Medium	37.5	16	1-50	N/A	-very mixed stand-Clearcut in Spring-Fall 2005- Thorny Aspen 54-008-04-01-past field inventory canopy data was collected during fall-winter 2012-2013, diameters were only increased for 2024 YOE edge call																																																								
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<b>66</b>	122 - Road/Parking Lot	Nonstocked	13.1			No																																																									
<b>67</b>	4310 - Pine, Oak Mix	Sawtimber Medium	4.4	83	81-110	N/A	all white oak were left in previous cut																																																								
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<b>68</b>	310 - Herbaceous Openland	Nonstocked	1.4			Managed Opening	-past field visit inventory data was collected during fall-winter 2012-2013																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
69	4123 - Red Oak	Sawtimber Well	11.9	96	81-110	N/A	-heavier to mature aspen to northern 1/3rd
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		15	Pole/Log	8		Red Maple	
Red Oak		65	Log/Pole	13	96	Medium	
Bigtooth Aspen		20	Log/Pole	13		Witch Hazel	
						Medium	
						5 - 10 feet	
						Tall Shrub	
70	4130 - Aspen	Sapling Medium	24.7	6	1-50	N/A	-left all pine and white oak -left 1-2 red oak/acre -protected subcanopy pine in specs -cut in 2016 -a lot of ok mortality from exposure, doesn't appear to be from oak wilt
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Oak		2	Log/Pole	12		Red Maple	
Red Oak		2	Log	13		High	
Quaking Aspen		15	Sapling	1		>20 feet	
Red Maple		10	Sapling	1		Sapling	
Red Oak		5	Sapling	1			
Red Pine		3	Log/Pole	13			
White Pine		5	Pole	7			
Bigtooth Aspen		58	Sapling	1	6		
71	4131 - Aspen, Oak	Sawtimber Medium	9.5	95	81-110	N/A	-rm subcanopy well established and starting to reach the canopy in declining aspen gaps-contains some of the largest aspen and oak in the compartment
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Oak		25	Log/XLog	15		Red Maple	
White Oak		5	Log	13		High	
Red Maple		20	Sapling/Pole	4		>20 feet	
Bigtooth Aspen		20	Log	14		Sapling	
Quaking Aspen		30	Log/XLog	14	95		
72	4131 - Aspen, Oak	Poletimber Well	16.8	47		N/A	- MAST WHITE OAK IN SE -past field inventory canopy data was collected during fall-winter 2012-2013, diameters were only increased for 2024 YOE edge call
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Oak		10	Log	13		Red Maple	
Quaking Aspen		20	Pole/Sapling	7		Medium	
Red Maple		15	Pole/Sapling	7		Variable	
Bigtooth Aspen		40	Pole/Sapling	7	47	Sapling	
Red Oak		15	Pole/Sapling	7		Sapling	
						Low	
						Variable	
						Sapling	
						Low	
						5 - 10 feet	
						Tall Shrub	
						Medium	
						5 - 10 feet	
						Tall Shrub	
						Low	
						< 5 feet	
						Tall Shrub	
73	4123 - Red Oak	Sawtimber Well	29.6	102	81-110	N/A	-moderate site quality, ParVVb-high level of red maple in sub-canopy-site quality seems a bit lower than other oak stands that were thinned in 2015
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		10	Pole/Log	8		Witch Hazel	
Bigtooth Aspen		25	Log	13		Medium	
Red Oak		65	Log/Pole	14	102	Variable	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
74	4123 - Red Oak	Sawtimber Well	6.0	93	81-110	N/A																																												
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75	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	4.7	104		N/A	-many ponds and seeps -wettest in center of stand -wp mostly within south portion of stand boot -wear rubber boots!!																																											
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76	4139 - Aspen, Mixed Deciduous	Sapling Medium	17.4	15		N/A	-Clearcut in Spring-Fall 2005- Thorny Aspen 54-008-04-01 -moderately stocked -past field inventory canopy data was collected during fall-winter 2012-2013, diameters were only increased for 2024 YOY edge call																																											
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77	310 - Herbaceous Openland	Nonstocked	1.0				-past field visit inventory data was collected during fall-winter 2012-2013																																											
78	310 - Herbaceous Openland	Nonstocked	1.8			Managed Opening	-past field visit inventory data was collected during fall-winter 2012-2013																																											
79	4130 - Aspen	Sapling Well	7.9	5	Immature	N/A	-conducted walkthrough regeneration survey on 3/10/22-stand has regenerated to fully stocked aspen																																											
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80	310 - Herbaceous Openland	Nonstocked	1.0				-past field visit inventory data was collected during fall-winter 2012-2013																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>81</b>	4130 - Aspen	Sapling Medium	8.1	6	Immature	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		25	Sapling	1			
Red Pine		5	Log	13			
Red Oak		2	Log	13			
Quaking Aspen		15	Sapling	1			
White Pine		2	Log/Pole	11			
White Oak		1	Log/Pole	12			
Red Oak		5	Sapling	1			
Bigtooth Aspen		45	Sapling	1	6		
<b>82</b>	310 - Herbaceous Openland	Nonstocked	2.7			No	-past field visit inventory data was collected during fall-winter 2012-2013 -past hill climb ORV and timber landing -hill was blocked off last YOE
<b>83</b>	4123 - Red Oak	Sawtimber Well	6.9	97	51-80	N/A	-more mast oak and white oak in this stand due to lower density -traces of aspen
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Bigtooth Aspen		10	Log/Pole	12			
Red Oak		70	Log/Pole	13	97		
White Oak		10	Log/Pole	12			
Red Maple		10	Log/Pole	10			
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Witch Hazel		Medium	5 - 10 feet	Tall Shrub			
Red Maple		Medium	Variable	Sapling			
<b>84</b>	310 - Herbaceous Openland	Nonstocked	2.1				-past field visit inventory data was collected during fall-winter 2012-2013
<b>86</b>	6224 - Treed Bog	Nonstocked	1.4	0		No	-was part of stand 19 treatment and was excluded from harvest -past field visit inventory data was collected during fall-winter 2012-2013 -scattered trees and lowland shrubs
<b>87</b>	4130 - Aspen	Sapling Well	5.0	23	1-50	N/A	-past field inventory canopy data was collected during fall-winter 2012-2013, diameters were only increased for 2024 YOE edge call
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		15	Sapling	3			
White Oak		5	Sapling	2			
Quaking Aspen		30	Sapling	3			
Northern Pin Oak		10	Sapling	3			
Bigtooth Aspen		40	Sapling	3	23		
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Black Cherry		Medium	5 - 10 feet	Sapling			
<b>88</b>	4123 - Red Oak	Sawtimber Well	44.0	103	111-140	N/A	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Red Maple		6	Pole/Log	9			
Red Oak		88	Log/Pole	13	103		
White Oak		5	Log/Pole	13			
Bigtooth Aspen		1	Log	12			
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Witch Hazel		Medium	5 - 10 feet	Tall Shrub			
Red Maple		Medium	Variable	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
89	4130 - Aspen	Poletimber Well	24.9	36	51-80	N/A	-some larger oak patches to SE treated as inclusion-past field inventory canopy data was collected during fall of 2012, diameters were only increased for 2024 YOY edge call-54-024-84-01-7/12/85 completion																																																					
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91	310 - Herbaceous Openland	Nonstocked	3.0			Managed Opening	-past field visit inventory data was collected during fall-winter 2012-2013																																																					
92	42290 - Natural Mixed Pine	Sawtimber Medium	1.8	176	1-50	N/A	-old growth rp with younger wp and aspen																																																					
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95	4123 - Red Oak	Sawtimber Well	33.3	103	81-110	N/A	-most oak are healthy-approx. 25-35% coverage of rm in subcanopy - more of a poor site to the northern 1/3rd of stand with increasingly better site quality as one goes south-fairly broken-up canopy to southern 1/2, more mast oak and declining aspen, all average site for this portion																																																					
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96	4123 - Red Oak	Sawtimber Well	43.7	104	111-140	N/A	-QD BA is 115 -see attached documents for additional QD advanced regeneration and merchantable tree information -terrain is steep to rolling																																																																
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98	310 - Herbaceous Openland	Nonstocked	15.3			No																																																																	
99	4131 - Aspen, Oak	Poletimber Well	197.6	47	51-80	N/A	alll white oak were left in previous cut																																																																
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<b>105</b>	4130 - Aspen	Sapling Well	49.1	5	1-50	N/A	-over half of oak stump sprout is overtopped entirely by aspen and red maple																																																						
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<b>109</b>	6120 - Lowland Cedar	Poletimber Well	3.6	112	81-110	N/A	-past field inventory canopy data was collected during fall-winter 2012-2013, diameters were only increased for 2024 YOE edge call -small 2ft stream bisects stand -larger log cedar to outer edges with smaller pole cedar towards the interior where soil saturation is high -heavy to balsam fir closer to the stream and smaller cedar																																																						
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<b>110</b>	6132 - Mixed Lowland Forest with Cedar	Sawtimber Medium	2.4	125		N/A	-past field inventory canopy data was collected during fall-winter 2012-2013, diameters were only increased for 2024 YOE edge call -low ground drainageway to avery lake with a fair amount of cedar																																																						
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<b>113</b>	6120 - Lowland Cedar	Poletimber Medium	3.8	112	81-110	N/A	-past field inventory canopy data was collected during fall-winter 2012-2013, diameters were only increased for 2024 YOE edge call -small 2 ft stream bisects stand -larger log cedar to outter edges with smaller pole cedar towards interior where soil saturation is high -high amount of blowdown to east of powerline due to tight crowns																																																																			
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<b>114</b>	4123 - Red Oak	Sawtimber Well	46.5	109	81-110	N/A	-QD BA is 105 -see attached documents for additional QD advanced regeneration and merchantable tree information																																																																			
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<b>115</b>	500 - Water	Nonstocked	100.1			No																																																																				
<b>116</b>	4112 - Maple, Beech, Cherry Association	Sapling Well	10.7	6	Immature	N/A	-mod-high site quality, ParVVb -clearcut completed 9/30/15 -better timber east of n-s two-track and more of an average site for oak within this area -west of two-track site quality is worse with a fairly heavy wp subcanopy -did a walk-through 4/28/19 and it appears that this stand is now mostly cherry and other undesirable deciduous																																																																			
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120	4130 - Aspen	Sapling Medium	17.1	5	Immature	N/A	clearcut complete 5/2017																																																		
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121	4199 - Other Mixed Upland Deciduous	Sawtimber Well	8.0	103	111-140	N/A																																																			
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123	4130 - Aspen	Sapling Well	13.6	6	Immature	N/A	-conducted walkthrough regeneration survey on 3/28/22 -stand has regenerated to fully stocked aspen -variance to accept aspen cover type of medium to high stocking at compartment review																																																		
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125	3104 - Degraded	Nonstocked	1.0	0			-past field visit inventory data was collected during fall-winter 2012-2013																																																		
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