



# Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54008

Entry Year 2018

Acreage: 1,468

County Montmorency

Management Area: Avery Hills

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**Revision Date:** 2016-06-08

**Stand Examiner:** Richard Barber

**Legal Description:**

T29N, R02E, Sec. 7, 8, & 9

**Identified Planning Goals:**

Continued balancing of aspen and low site quality oak ages.

**Soil and topography:**

The north half of the compartment consists mostly of sand on eskers, moraines and outwash plains. The south half consist of loamy sand, mostly on moraines, plus kames, beach ridges and lake plains. Lake plain areas can be heavy to clay and vernal ponds.

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

Surrounding land is mostly other state land. Several subdivisions cling to Avery Lake's shoreline.

**Unique Natural Features:**

Yes.

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

None Reported.

**Special Management Designations or Considerations:**

Long runs of steep, rapidly erodible sandy soils present challenges in terms of ORV damage and timber harvest planning. Vernal ponds, springs, seeps and cold water streams are also considerations.

**Watershed and Fisheries Considerations:**

An extensive network of cold water streams springing from this compartment feed Avery Lake. Sheridan Creek, a trout stream, grazes the compartments west edge. Maintain appropriate stream cut buffers along Avery and Sheridan creeks or other unnamed tributaries.

**Wildlife Habitat Considerations:**

This compartment is an excellent opportunity to manage for wildlife. It is part of a multiple compartment, large scale block of public land providing contiguous wildlife pathways that are necessary for many of our large game animals such as black bear. Habitat components of heavy aspen and oak provide food and cover for multiple species at a variety of age classes. We are working to maintain oak and other mast producing trees as well as keep a good age rotation of aspen in this compartment as well as adjacent compartments. Species which benefit from our management include white-tailed deer, black bear, ruffed grouse, woodcock, and many other game and non-game species.

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

Surface sediments consist of an end moraine of medium-textured till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. There is no known economic use for the Coldwater Shale. A clay & sand pit is located one-half mile to the south. Gravel potential is uncertain. This area has been drilled, is being further developed and is producing gas from the Antrim Shale.

**Vehicle Access:**

Many roads within this compartment are closed, due to the problems caused by steep slopes. Long runs on roads used to access gas wells have been continually troublesome.

**Survey Needs:**

Surveying may be required for timber sale preparation.

**Recreational Facilities and Opportunities:**

An MCCCT trail crosses the compartment. Big Oaks and Avery Lake State Forest Campgrounds are just to the east in an adjoining compartment.

**Fire Protection:**

Protection is provided by the Lewiston Area Fire Department and MDNR.

**Additional Compartment Information:**

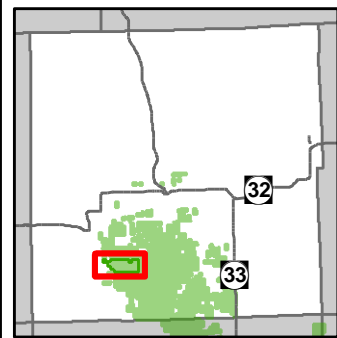
The following reports from the Inventory are attached:

- 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:

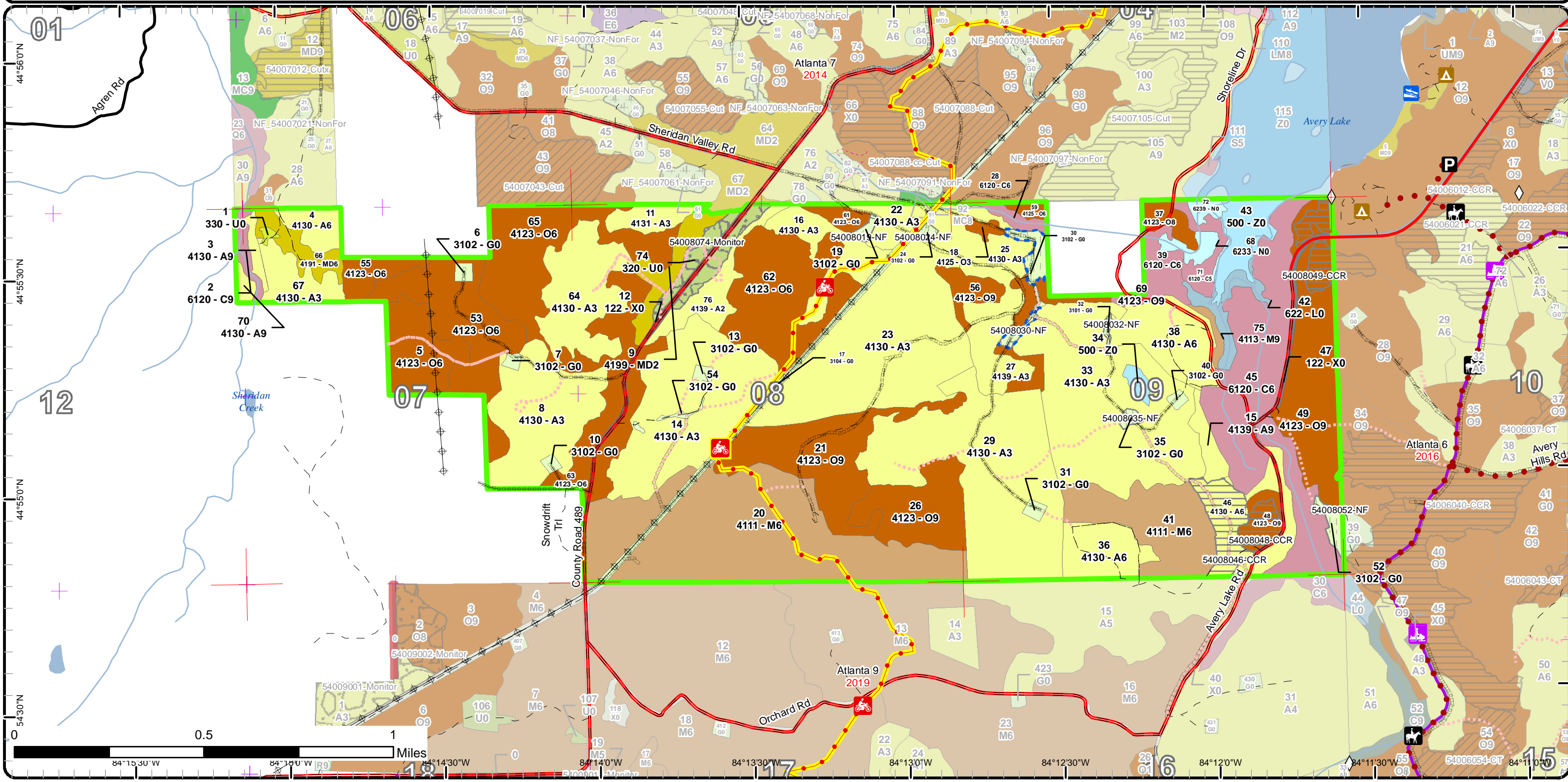
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map



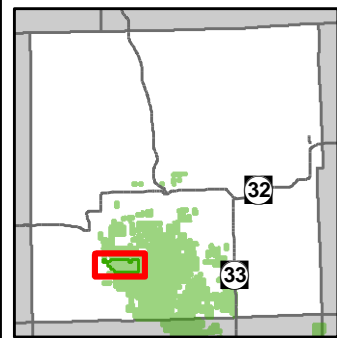
Compartment: 8  
 T29N, R02E, Sec: 07-09  
 County: Montmorency  
 Unit: Atlanta  
 Mgmt Area: Avery Hills  
 YOE: 2018  
 Acres: 1,468 GIS Calculated  
 Examiner: Richard Barber  
 Map Revised: 10/6/2016  
 Map Phase: Post Review

- Miris Corners
- Remonumented Section Corners
- ◇ Field Grade GPS Corners
- ⚓ Boating Access Site
- ⛺ Campground
- P Parking Lot
- 🏍 Motorcycle Trails (DNR License)
- 🐎 Horse Trails
- 🛵 MCCCT Trails
- 🛷 Snowmobile Trails
- Designated Equestrian Trails
- ORV License & Trail Permit
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Rivers
- Pipeline
- ⚡ Powerline
- ▭ Compartment Boundary
- ▭ Treatments with Site Conditions
- ▭ Clearcut (w/Reserves)
- ▭ Opening Maintenance
- ▭ Regeneration Survey
- ▭ 411 - Northern Hardwood
- ▭ 412 - Oak Types
- ▭ 413 - Aspen Types
- ▭ 419 - Mixed Upland Deciduous
- ▭ 612 - Lowland Coniferous Forest
- ▭ 122 - Roads/Parking Lot
- ▭ 310 - Herbaceous Openland
- ▭ 320 - Upland Shrub
- ▭ 330 - Low Density Trees
- ▭ 500 - Water
- ▭ 622 - Lowland Shrub
- ▭ 623 - Emergent Wetland
- ▭ Lakes

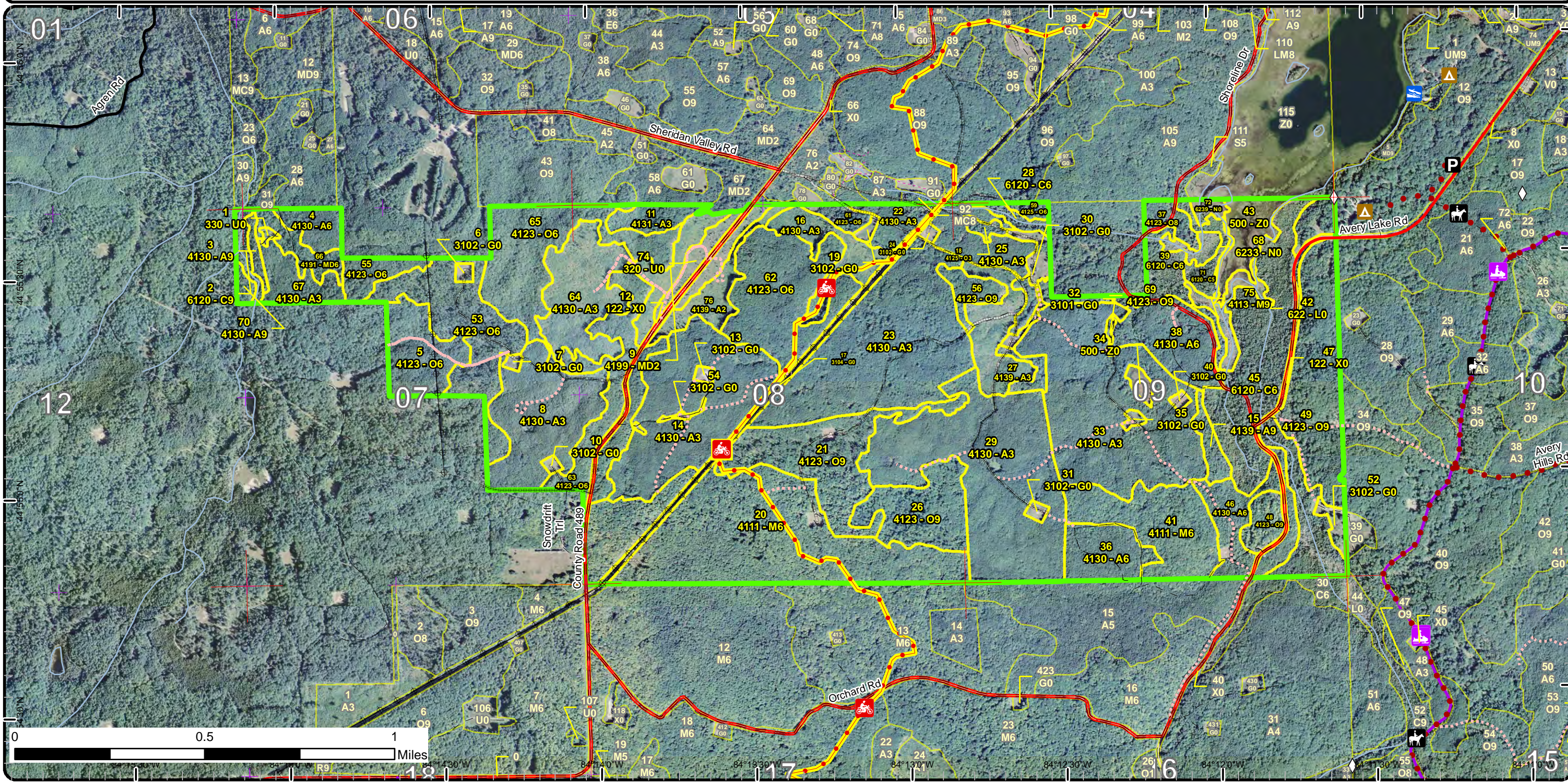


# Stand Boundary Map

Compartment: 8  
 T29N, R02E, Sec: 07-09  
 County: Montmorency  
 Unit: Atlanta  
 Mgmt Area: Avery Hills  
 YOE: 2018  
 Acres: 1,468 GIS Calculated  
 Examiner: Richard Barber  
 Map Revised: 10/6/2016  
 Map Phase: Post Review

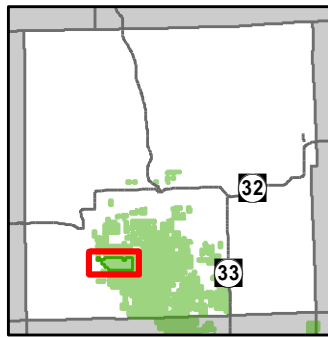


- Miris Corners
- Remonumented Section Corners
- Field Grade GPS Corners
- Boating Access Site
- Campground
- Parking Lot
- Motorcycle Trails (DNR License)
- Horse Trails
- MCCCT Trails
- Snowmobile Trails
- Designated Equestrian Trails
- ORV License & Trail Permit
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 110 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

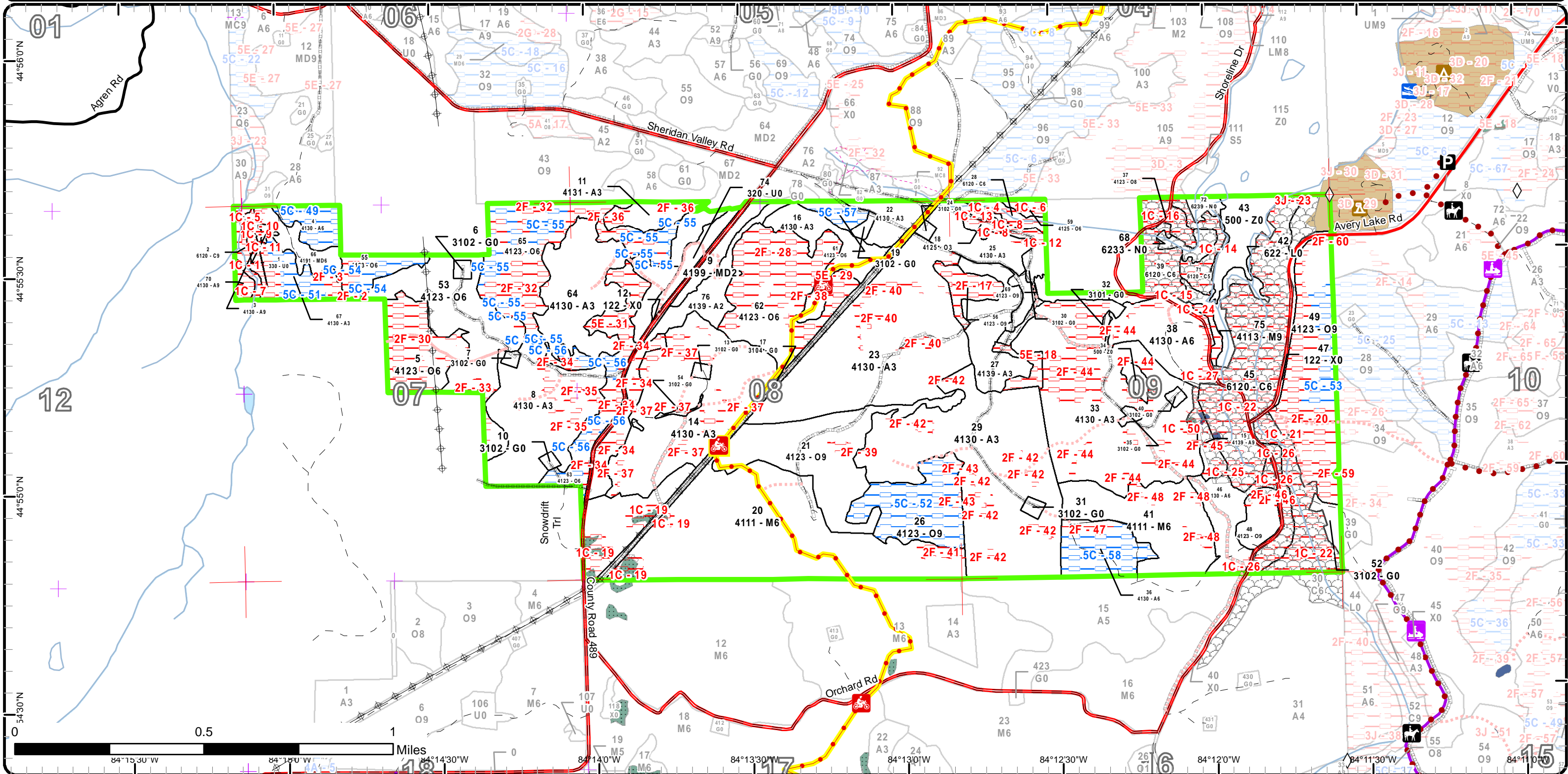


# Special Conservation Areas & Site Conditions Map

Compartment: 8  
 T29N, R02E, Sec: 07-09  
 County: Montmorency  
 Unit: Atlanta  
 Mgmt Area: Avery Hills  
 YOE: 2018  
 Acres: 1,468 GIS Calculated  
 Examiner: Richard Barber  
 Map Revised: 10/6/2016  
 Map Phase: Post Review



- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Boating Access Site
- Campground
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- Motorcycle Trails (DNR License)
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- ORV License & Trail Permit
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- - - Trail (Non-Recreation)
- ⋯ Closed Roads
- Rivers
- Pipeline
- Powerline
- Compartment Boundary
- SCA
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1C: Other dept or div proc/practices
- 2F: Too steep
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Spring or Seep
- Vernal Pool
- State Forest Campground



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	93	10	245	193	28	68	0	0	12	0	0	0	0	0	0	0	9	658
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	103	9	0	0	0	0	112
Herbaceous Openland	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Low-Density Trees	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lowland Shrub	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Marsh	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Mixed Upland Deciduous	0	13	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	23
Northern Hardwood	0	0	0	0	0	2	0	0	40	129	0	0	0	0	0	0	0	0	171
Oak	0	0	0	3	0	0	0	0	0	67	333	0	0	0	0	0	0	0	403
Upland Shrub	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Urban	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Water	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
<b>Total</b>	<b>101</b>	<b>106</b>	<b>10</b>	<b>248</b>	<b>193</b>	<b>30</b>	<b>78</b>	<b>0</b>	<b>40</b>	<b>208</b>	<b>333</b>	<b>0</b>	<b>103</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>1468</b>



## Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2018

Acres of Harvest

Compartment 8

Total Compartment Acres: 1,468

Commercial Harvest - 30  
 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	14	0	0	0	0	0	0	0	0	14
Oak	16	0	0	0	0	0	0	0	0	16
<b>Total</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	30	0	0	0	0	0	14	0	15	59
Next Step	0	0	0	0	0	0	30	0	0	30
<b>Total</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44</b>	<b>0</b>	<b>15</b>	<b>89</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
19	54008019-NF	1.5	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Draft Field Boundary

**Habitat Cut: No**

**Site Condition:**

Prescription Opening will be maintained on a rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices.  
Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

24	54008024-NF	1.1	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No**

**Site Condition:**

Prescription Opening will be maintained on a rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices.  
Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2017

30	54008030-NF	6.8	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No**

**Site Condition: Other Dept./Div. Processes**

Prescription Opening will be maintained on a rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices.  
Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other if access is possible  
Comment:

Proposed Start Date: 10/01/2016

32	54008032-NF	0.9	3101 - Poverty Grass, Cladonia	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No**

**Site Condition:**

Prescription Opening will be maintained on a rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices.  
Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other if access is possible  
Comment:

Proposed Start Date: 10/01/2016





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
35	54008035-NF	1.2	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Opening will be maintained on a rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

46	54008046-CCR	14.2	4130 - Aspen	Poletimber Well	53		Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and may include areas of steep slopes.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Acceptable regeneration is any combination of aspen, oak, maple, or pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

48	54008048-CCR	6.7	4123 - Red Oak	Sawtimber Well	81	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and may include areas under pre-existing site conditions.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Acceptable regeneration is any combination of oak, maple, or pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

49	54008049-CCR	9.1	4123 - Red Oak	Sawtimber Well	87	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Field Boundary - Ready for
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**Habitat Cut: No****Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and may include areas of steep slopes. Protect wp regeneration.

Specs:

Next Step

Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable

Acceptable regeneration is any combination of oak, maple, pine or aspen,

Regen:

Other

Restrict harvest adjacent to campground to period of October through April.

Comment:

Proposed Start Date: 08/12/2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
52	54008052-NF	3.9	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Opening will be maintained on a rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

74	54008074- Monitor	13.9	320 - Upland Shrub	Nonstocked			Monitoring	Natural Regen (Re-Inventory)	412 - Oak Types	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription survey for regeneration

Specs:

Next Step

Treatments:

Acceptable Acceptable regeneration would be any combination of sugar maple, basswood, ash, oak, beech, ironwood oak, aspen, red pine or white pine

Regen: resulting in a medium to fully stocked understory.

Other

Comment:

Proposed Start Date: 10/01/2017

**Total Treatment  
Acreage Proposed: 59.3**

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Richard Barber : Examiner

Compartment: 8  
Year of Entry: 2018

### Availability for Management

Total	Acres	<b>Acres Avail</b>	Acres
Acres	Available	<b>With Condition</b>	Not Available

### Dominant Site Conditions

5C   1C   2F   3D   3J   5E

658	511	<b>36</b>	111		<b>36</b>	29	82			
112	8	<b>0</b>	104	Cedar		101			3	
37	35	<b>0</b>	2	Herbaceous Openland		2	0			
1	1	<b>0</b>	0	Low-Density Trees		0				
9	9	<b>0</b>	0	Lowland Shrub						
8	8	<b>0</b>	0	Marsh						
23	22	<b>0</b>	1	Mixed Upland Deciduous		1	0			
172	152	<b>0</b>	20	Northern Hardwood		15	5			
402	135	<b>81</b>	186	Oak	<b>81</b>	17	151	0		18
14	14	<b>0</b>	0	Upland Shrub						
13	13	<b>0</b>	0	Urban		0	0			
18	18	<b>0</b>	0	Water						
1,467	925	<b>117</b>	425	Total Forested Acres	<b>117</b>	166	238	0	3	18
	63%	<b>8%</b>	29%	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	1C: Other dept or div proc/practices	5	3J: Water quality / BMPs (stream, river, or lake)	2F: Too steep	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011, Riparian Vegetation Protection							
2	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

**Atlanta Mgt. Unit**  
**Richard Barber : Examiner**

**Compartment: 8**  
**Year of Entry: 2018**

4	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	4	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
5	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	3	3J: Water quality / BMPs (stream, river, or lake)	2F: Too steep	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
6	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	3	3J: Water quality / BMPs (stream, river, or lake)	2F: Too steep	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
7	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	2	3J: Water quality / BMPs (stream, river, or lake)	2F: Too steep	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
8	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
9	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	1	2F: Too steep	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							

**Report 4 – Site Conditions**

Atlanta Mgt. Unit  
Richard Barber : Examiner

Compartment: 8  
Year of Entry: 2018

10	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
11	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	4	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
12	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
13	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
14	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	8	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
15	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Richard Barber : Examiner

Compartment: 8  
Year of Entry: 2018

16	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	7	Unspecified	<input type="text" value="Unspecified"/>	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
17	<b>Unavailable</b>	<b>2F: Too steep</b>	9	Unspecified	<input type="text" value="Unspecified"/>	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	4	2F: Too steep	<input type="text" value="Unspecified"/>	Unspecified	Unspecified
<b>Comments:</b> Subaru Oak 54-001-09-01							
19	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	13	Unspecified	<input type="text" value="Unspecified"/>	Unspecified	Unspecified
<b>Comments:</b> Buffers on vernal ponds.							
20	<b>Unavailable</b>	<b>2F: Too steep</b>	29	Unspecified	<input type="text" value="Unspecified"/>	Unspecified	Unspecified
<b>Comments:</b>							
21	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	5	2F: Too steep	<input type="text" value="Unspecified"/>	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
22	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	72	3J: Water quality / BMPs (stream, river, or lake)	<input type="text" value="Unspecified"/>	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							

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23	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
24	Unavailable	1C: Other dept or div proc/practices	2	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
25	Unavailable	1C: Other dept or div proc/practices	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
26	Unavailable	1C: Other dept or div proc/practices	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
27	Unavailable	1C: Other dept or div proc/practices	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Fisheries Division Policy and Procedure 02.02.011 Riparian Vegetation Protection							
28	Unavailable	2F: Too steep	36	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
29	Unavailable	5E: Long-Term Retention	4	2F: Too steep	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Subaru Oak 54-001-09-01							

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30	Unavailable	2F: Too steep	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	Unavailable	5E: Long-Term Retention	10	2F: Too steep	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Subaru Oak 54-001-09-01							
32	Unavailable	2F: Too steep	31	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
33	Unavailable	2F: Too steep	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
34	Unavailable	2F: Too steep	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
35	Unavailable	2F: Too steep	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
36	Unavailable	2F: Too steep	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
37	Unavailable	2F: Too steep	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



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38	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
39	Unavailable	2F: Too steep	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
40	Unavailable	2F: Too steep	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
41	Unavailable	2F: Too steep	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
42	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
43	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
44	Unavailable	2F: Too steep	34	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
45	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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46	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Unavailable	2F: Too steep	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
49	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
50	Unavailable	1C: Other dept or div proc/practices	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: buffer on vernal pool.							
51	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
52	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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53	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
54	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
55	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
56	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
57	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
58	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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**Year of Entry: 2018**

59	Unavailable	2F: Too steep	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
60	Unavailable	2F: Too steep	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



### 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
<b>Comments</b>	Spring-Seeps, Riparian Areas	Vernal Pool	<b>Proposed SCA</b>	0
<b>Comments</b>	Spring-Seeps, Riparian Areas	Spring Seep	<b>Proposed SCA</b>	0
<b>Comments</b>	Spring-Seeps, Riparian Areas	Vernal Pool	<b>Proposed SCA</b>	0
<b>Comments</b> water level remains constant	Spring-Seeps, Riparian Areas	Vernal Pool	<b>Proposed SCA</b>	0
<b>Comments</b>	Spring-Seeps, Riparian Areas	Spring Seep	<b>Proposed SCA</b>	0
<b>Comments</b>	Spring-Seeps, Riparian Areas	Vernal Pool	<b>Proposed SCA</b>	0
<b>Comments</b>	Spring-Seeps, Riparian Areas	Vernal Pool	<b>Proposed SCA</b>	1
<b>Comments</b>	Spring-Seeps, Riparian Areas	Vernal Pool	<b>Proposed SCA</b>	1
<b>Comments</b>	Spring-Seeps, Riparian Areas	Vernal Pool	<b>Proposed SCA</b>	1
<b>Comments</b>	Spring-Seeps, Riparian Areas	Vernal Pool	<b>Proposed SCA</b>	1
<b>Comments</b>	Spring-Seeps, Riparian Areas	Vernal Pool	<b>Proposed SCA</b>	1



**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
<b>Comments</b>	Spring-Seeps, Riparian Areas	Vernal Pool	<b>Proposed SCA</b>	1
<b>Comments</b>	Spring-Seeps, Riparian Areas	Vernal Pool	<b>Proposed SCA</b>	2
<b>Comments</b> This area no longer meets the criteria to be classified as a Special Conservation Area.	Potential Old Growth		<b>SCA Removal</b>	29
<b>Comments</b> This area no longer meets the criteria to be classified as a Special Conservation Area.	Potential Old Growth		<b>SCA Removal</b>	31
<b>Comments</b> This area no longer meets the criteria to be classified as a Special Conservation Area.	Potential Old Growth		<b>SCA Removal</b>	74



## 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.

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## Report 7 – Forested Stands

Compartment: 8  
Year of Entry: 2018

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	6120 - Lowland Cedar	Sawtimber Well	4.9	120		
3	4130 - Aspen	Sawtimber Well	3.1	84		Remnant from what was harvested to the east. Evidence of a historic dam (excavation along stream.)
4	4130 - Aspen	Poletimber Well	9.4	56		
5	4123 - Red Oak	Poletimber Well	25.2	94	111-140	BA oak = 63. BA other = 50. PArHa/PArVb.
8	4130 - Aspen	Sapling Well	49.6	26		
9	4199 - Other Mixed Upland Deciduous	Sapling Medium	13.3	5	Immature	
11	4131 - Aspen, Oak	Sapling Well	8.9	39		
14	4130 - Aspen	Sapling Well	72.6	26		
15	4139 - Aspen, Mixed Deciduous	Sawtimber Well	6.4	89	81-110	
16	4130 - Aspen	Sapling Well	18.8	5	Unspecified	
18	4125 - Black, N. Pin Oak	Sapling Well	2.6	26	Immature	
20	4111 - S.Maple, Hard Mast Association	Poletimber Well	129.4	89	51-80	
21	4123 - Red Oak	Sawtimber Well	48.6	91	51-80	PArVb.
22	4130 - Aspen	Sapling Well	9.5	18		
23	4130 - Aspen	Sapling Well	93.8	37	1-50	
25	4130 - Aspen	Sapling Well	17.8	26		
26	4123 - Red Oak	Sawtimber Well	30.7	91	81-110	all other species removed 1998
27	4139 - Aspen, Mixed Deciduous	Sapling Well	21.9	5	Unspecified	PArHa/PArVb



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## Report 7 – Forested Stands

Compartment: 8  
Year of Entry: 2018

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
6120 - Lowland Cedar	Poletimber Well	4.1	121		
4130 - Aspen	Sapling Well	105.2	25	Unspecified	
4130 - Aspen	Sapling Well	99.6	36		
4130 - Aspen	Poletimber Well	19.8	52	81-110	AFO looking site.
4123 - Red Oak	Sawtimber Medium	6.9	99	81-110	. BA oak = 66. BA other = 17. PARVHa.
4130 - Aspen	Poletimber Well	27.5	47		
6120 - Lowland Cedar	Poletimber Well	12.3	116		
4111 - S.Maple, Hard Mast Association	Poletimber Well	40.4	77	111-140	
6120 - Lowland Cedar	Poletimber Well	82.8	111		Marsh marigolds well back from stream.
4130 - Aspen	Poletimber Well	25.1	53		Heavy sub-canopy. Lots of big white pine stumps.
4123 - Red Oak	Sawtimber Well	8.6	81	81-110	
4123 - Red Oak	Sawtimber Well	58.0	87	81-110	BA oak = 77. BA other = 20. SI = 60 from previous OI.
4123 - Red Oak	Poletimber Well	45.1	94	51-80	BA oak = 75. BA other = 5. PArHa/PArVb.
4123 - Red Oak	Poletimber Well	9.6	94	111-140	BA oak = 63. BA other = 50. PArHa/PArVb.
4123 - Red Oak	Sawtimber Well	16.0	91	81-110	BA oak = 73. BA other = 30. PArHa/PArVb
4125 - Black, N. Pin Oak	Poletimber Well	2.6	91	51-80	wp stump field. can hear stream in stand 28.
4123 - Red Oak	Poletimber Well	5.0	96	81-110	
4123 - Red Oak	Poletimber Well	51.7	96	81-110	

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## Report 7 – Forested Stands

Compartment: 8  
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
63	4123 - Red Oak	Poletimber Well	40.6	96	81-110	
64	4130 - Aspen	Sapling Well	38.2	5		
65	4123 - Red Oak	Poletimber Well	47.6	94	81-110	BA oak = 70. BA other = 27. PArHa/PArVb SI = 55 from previous OI, but probably decreases as one moves north.
66	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	10.1	56	51-80	
67	4130 - Aspen	Sapling Well	13.9	56		
69	4123 - Red Oak	Sawtimber Well	3.1	91	81-110	
70	4130 - Aspen	Sawtimber Well	2.4	84	Unspecified	
71	6120 - Lowland Cedar	Poletimber Medium	7.9	116	Unspecified	
75	4113 - R.Maple, Conifer	Sawtimber Well	2.4	47	81-110	
76	4139 - Aspen, Mixed Deciduous	Sapling Medium	14.1	5	Immature	



Stand	Cover Type	Acres	Managed Site	General Comments:
1	330 - Low-Density Trees	0.8	No	
6	3102 - Grass	1.4	No	
7	3102 - Grass	1.0	No	
10	3102 - Grass	1.0	No	
12	122 - Road/Parking Lot	6.7	No	co ROAD 489
13	3102 - Grass	1.2	No	
17	3104 - Degraded	13.4	No	Electric transmission row
19	3102 - Grass	1.5	Yes	
24	3102 - Grass	1.1	No	
30	3102 - Grass	7.3	Yes	
31	3102 - Grass	1.4	No	
32	3101 - Poverty Grass, Cladonia	0.9	Yes	
34	500 - Water	2.8	No	
35	3102 - Grass	1.2	Yes	
40	3102 - Grass	1.1	No	
42	622 - Lowland Shrub	8.7	No	4 foot wide fast flowing cold water stream. scattered clumps of tamarack saplings
43	500 - Water	15.1	No	
47	122 - Road/Parking Lot	6.7	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
52	3102 - Grass	3.9	No	
54	3102 - Grass	1.1	No	Pipeline row
68	6233 - Wet Meadow	4.6	No	clumps of tamarack saplings. beaver history. Standing dead cedar.
72	6239 - Mixed Emergent Wetland	3.7	No	
74	320 - Upland Shrub	13.9		