



# Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54012

Entry Year 2019

Acreage: 2,812

County Montmorency

Management Area: Avery Hills

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**Revision Date:** 2017-05-24

**Stand Examiner:** Andrew Krugh

**Legal Description:**

T-29-N, R-2-E, Sections 22, 23, 24, 25, 26 and 27

**Identified Planning Goals:**

The main goal in this compartment is to conduct multiple resource management for the good of the citizens of the State of Michigan. Oak and aspen are the largest timber components in this compartment with several stands of pine.

**Soil and topography:**

Roselawn sands and some rifle peat, rolling to steep hills. Compartment contains The Sage Lake complex an Ecological Reference Area (ERA).

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

Several private land holdings exist in the northern portion of the compartment with the most being in the south. Antrim gas operations have leveled off within the compartment, over 20 gas wells have been drilled in the compartment. O.R.V.'s are a concern in this compartment. No known trespasses.

**Unique Natural Features:**

Sage Lake ERA

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

West end of compartment contains the location of a Civilian Conservation Corps Camp, Camp Lunden.

**Special Management Designations or Considerations:**

Sage Lake Ecological Reference Area (ERA,) a rich conifer swamp.

**Watershed and Fisheries Considerations:**

Fisheries Division asks that a 150 foot buffer (no cut) be kept around Sage Lake in regards to stands 10, 11, and 90. This will allow for shoreline shading, natural recruitment of wood to the lake, and protection of the water through a proper buffer strip. Consideration should be given that Sage Lake is heavily utilized by anglers in the winter and that winter logging activities should not affect access to the parking site at the launch.

**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**

COMPARTMENT 12 Sections 15 & 22-27, T29N R2E, Montmorency County

There is no metallic mineral potential in this part of the state. The currently inactive Vondette Road Pit is located in Section 22. Sand & gravel potential within the compartment appears to be good. The compartment has been nearly completely developed for Antrim Shale gas and all state mineral rights are currently under lease and held by production.

**Vehicle Access:**

County Road 612 divides the compartment with several access trails along its length.

**Survey Needs:**

**Recreational Facilities and Opportunities:**

Compartment contains a portion of the Avery Hills snowmobile trails and the Hunt Creek ORV Trail.

**Fire Protection:**

**Additional Compartment Information:**

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

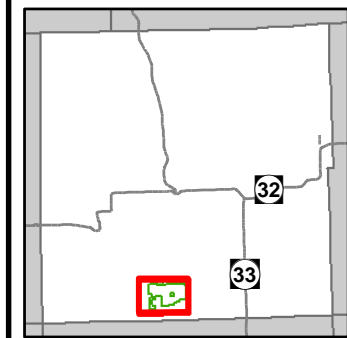
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

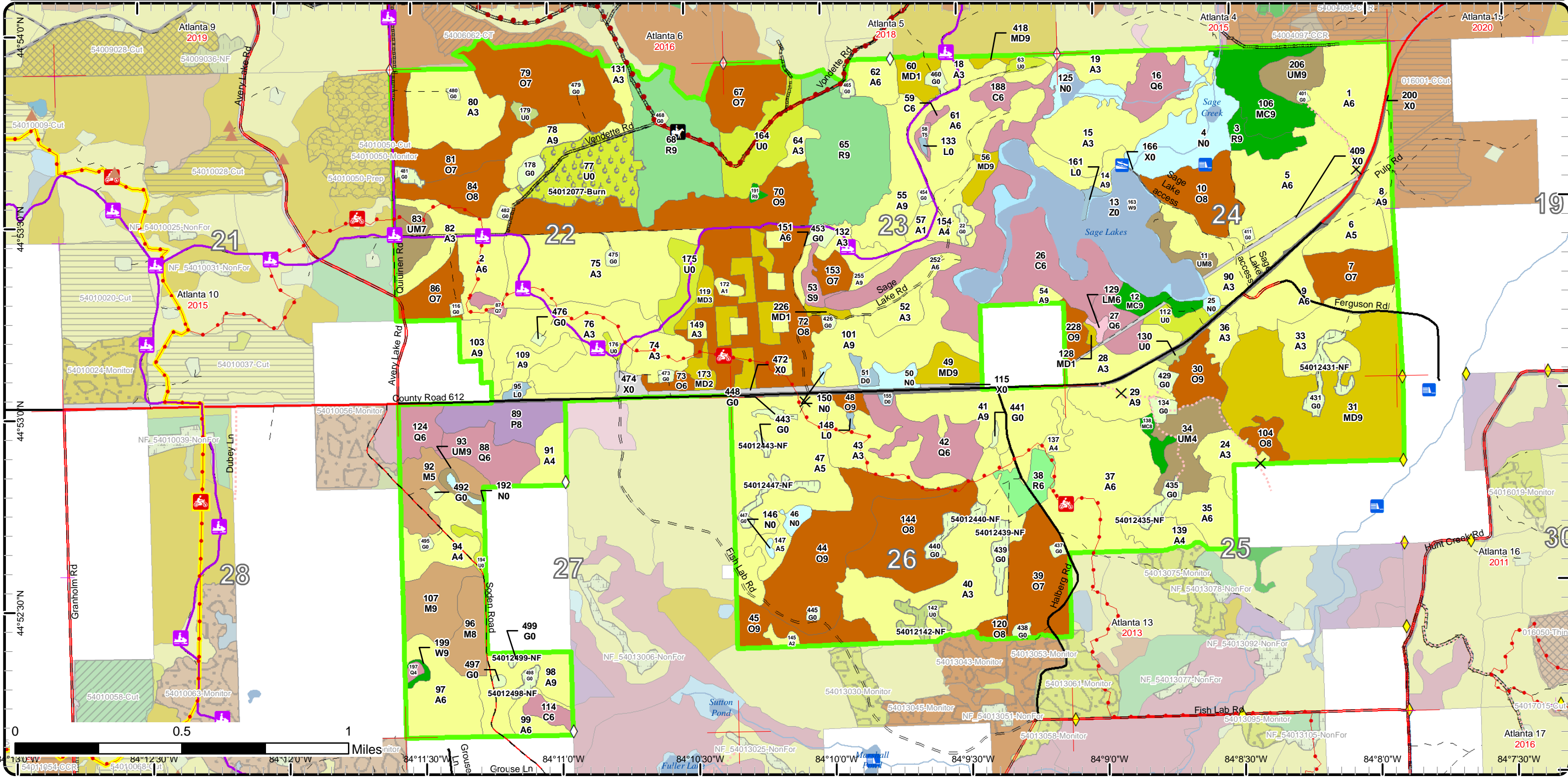
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

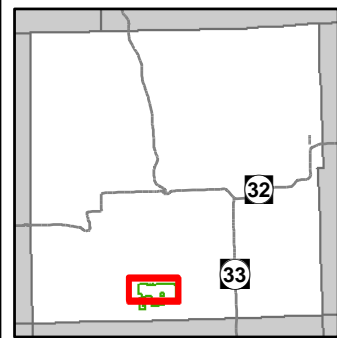
Compartment: 12  
 T29N, R02E, Sec: 22-27  
 County: Montmorency  
 Unit: Atlanta  
 Mgmt Area: Avery Hills  
 YOE: 2019  
 Acres: 2811.8 GIS Calculated  
 Examiner: Andrew Krugh  
 Map Revised: 10/3/2017  
 Map Phase: Post-Review



- Miris Corners
- Remonumented Section Corners
- ◆ Survey Grade GPS Corners
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- - - Counties
- ✕ Gate
- ▲ Berms
- ☒ Dams
- ☒ Boating Access Site
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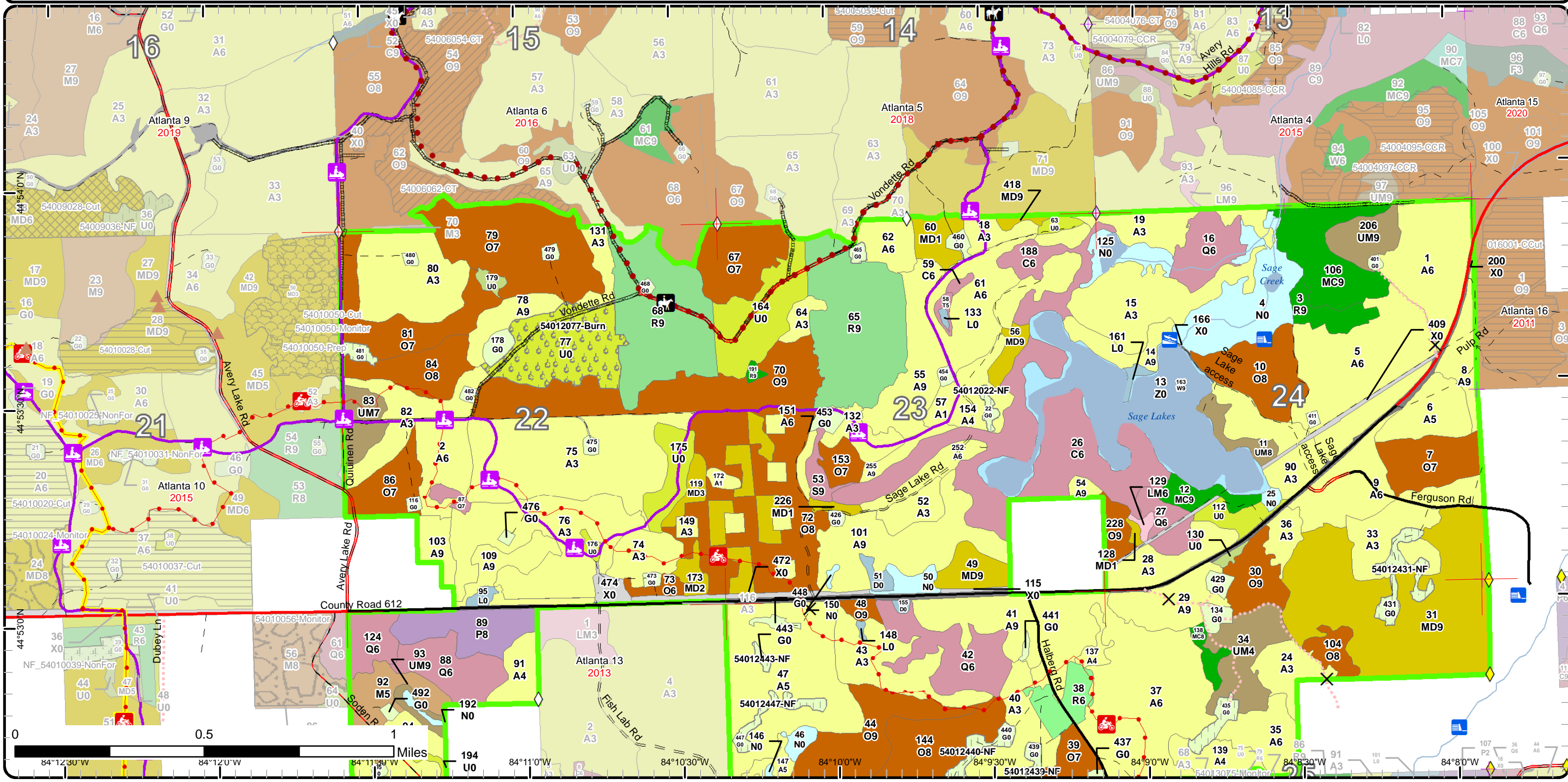


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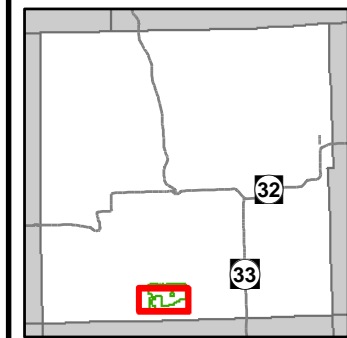
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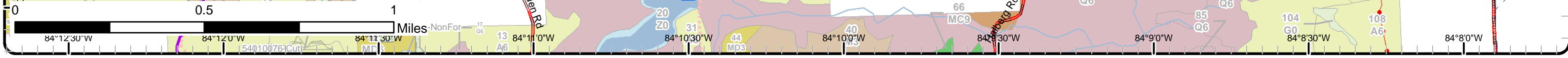
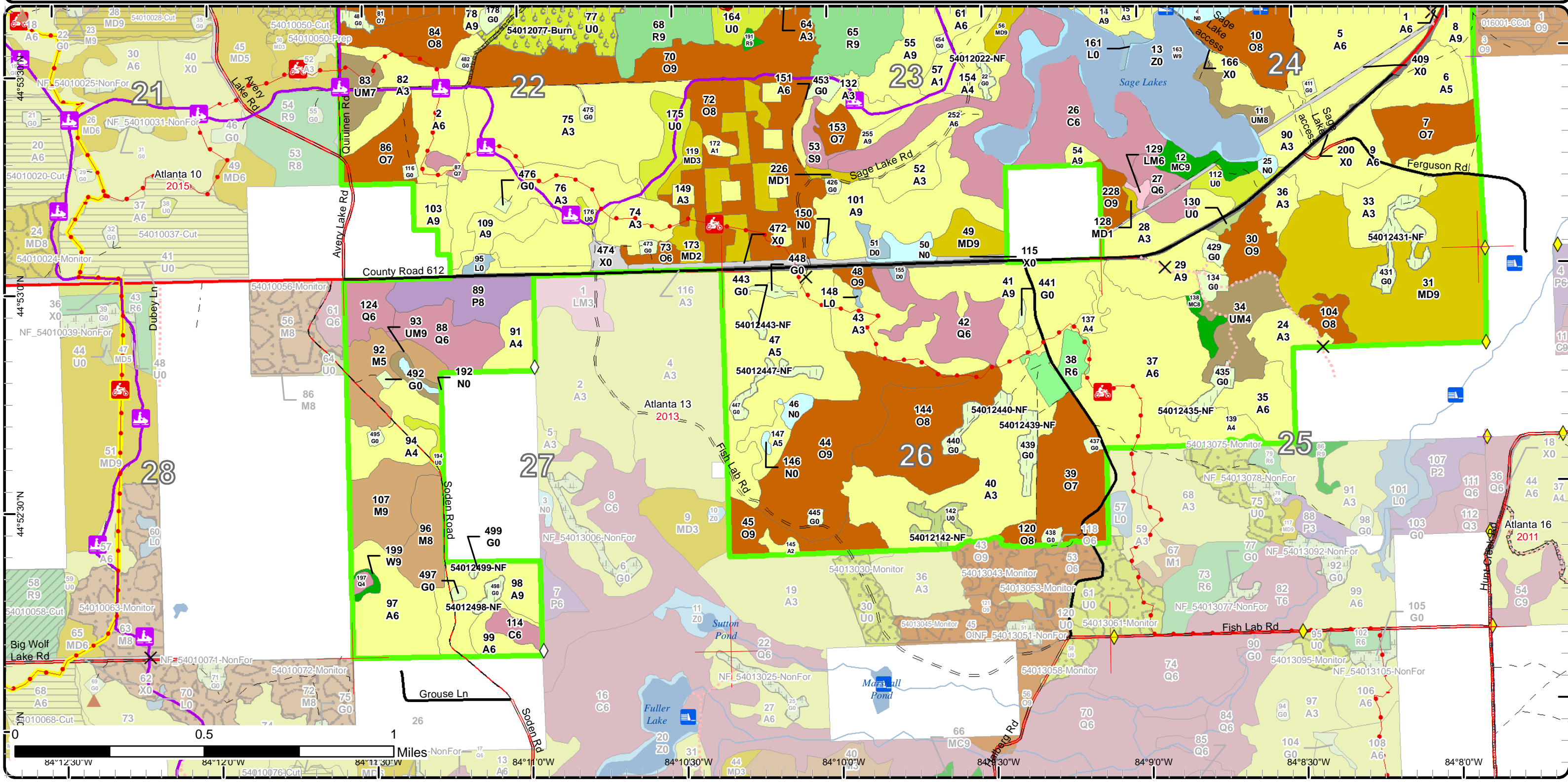


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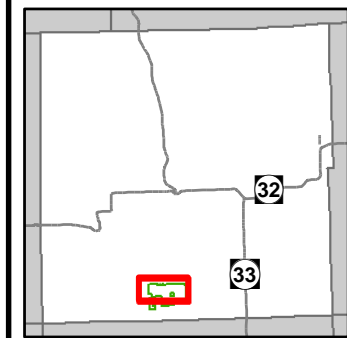


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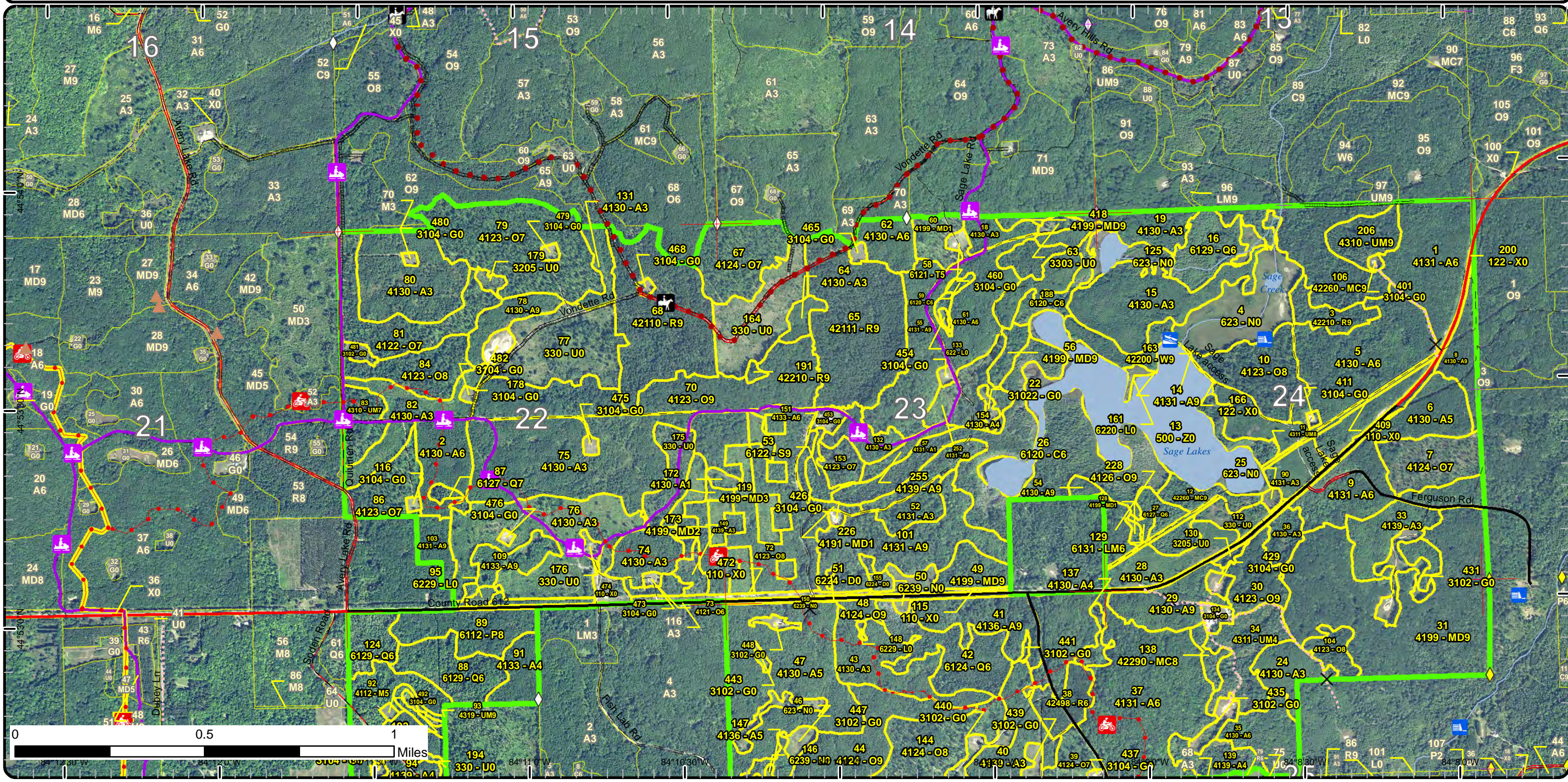


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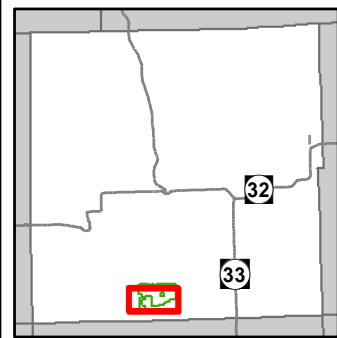


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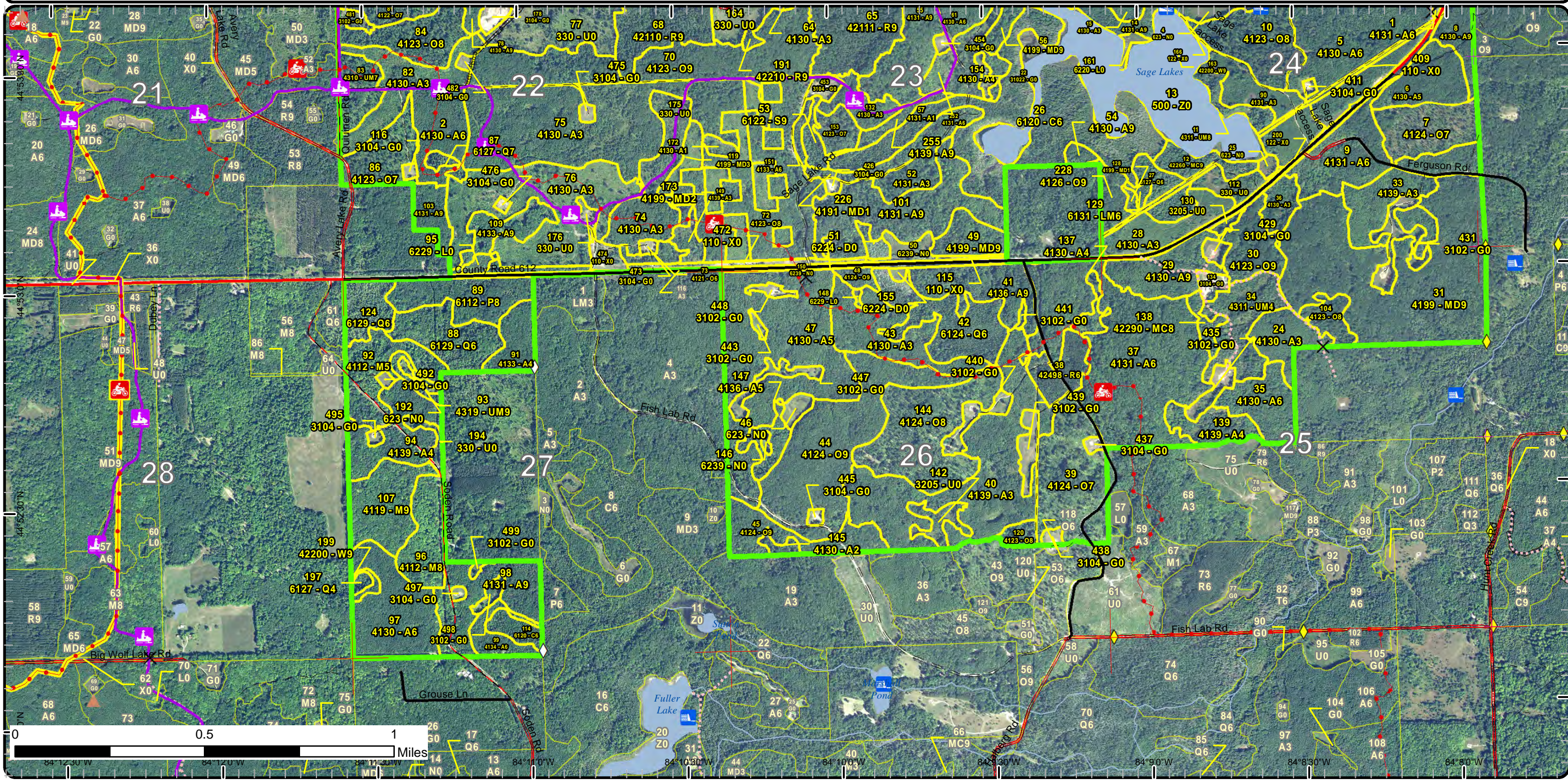


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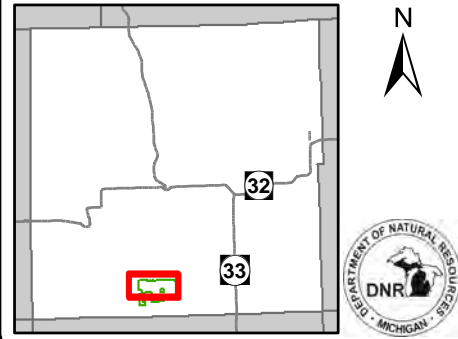


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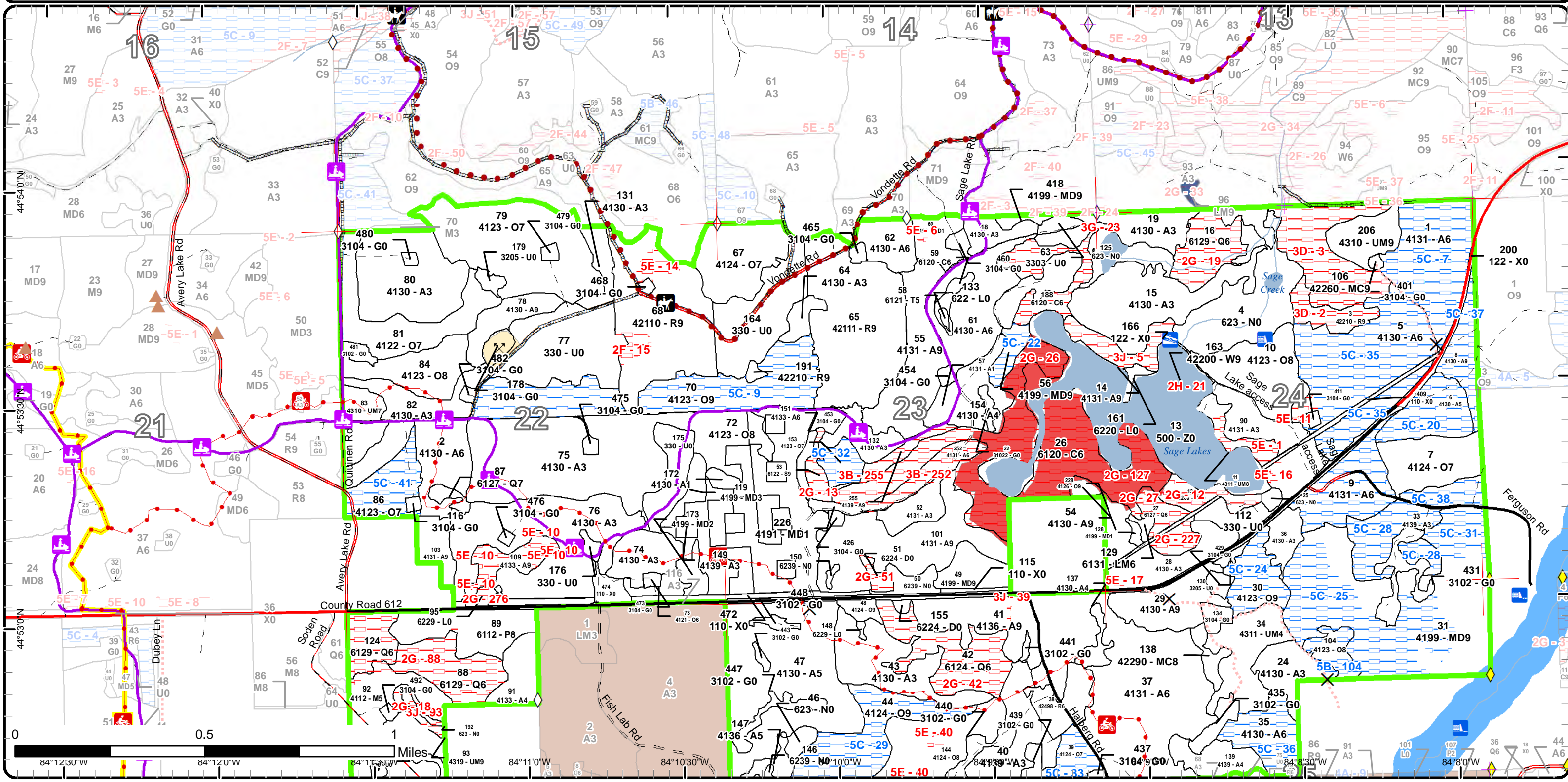


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- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Research, Development, and Military Lands
- Spring or Seep
- Sand or Gravel Pit

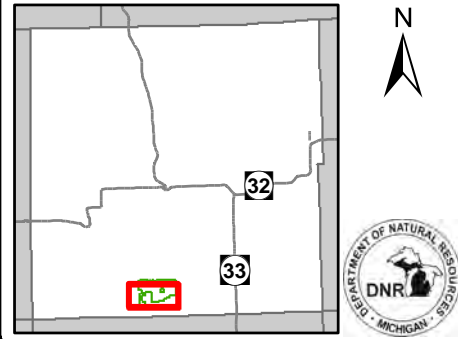


84°12'30"W 84°12'0"W 84°11'0"W 84°10'30"W 84°8'0"W  
 44°53'0"N 44°53'30"N 44°54'0"N

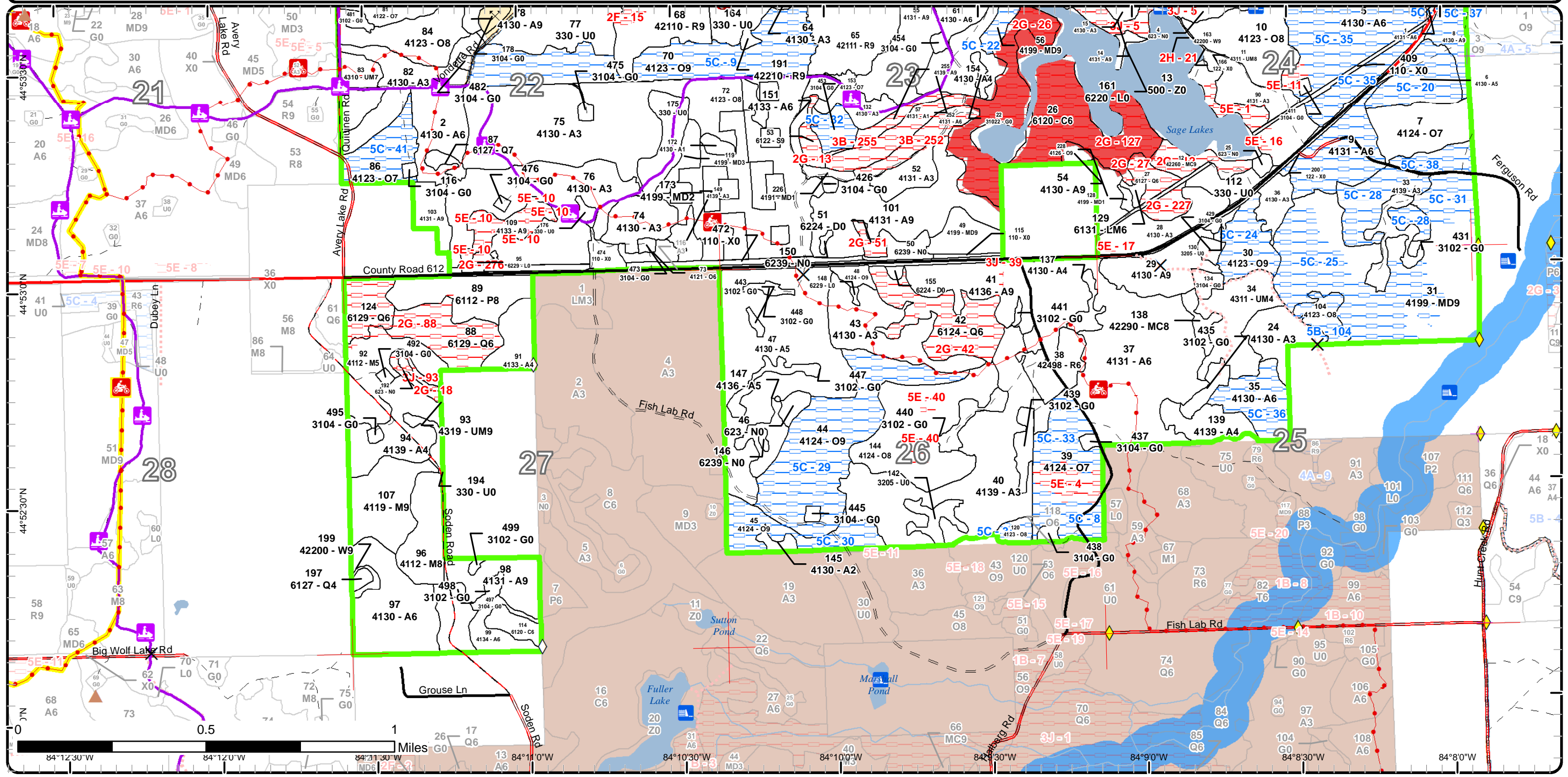


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- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- High Priority Trout Stream Buffer
- Research, Development, and Military Lands
- Sand or Gravel Pit
- Sand or Gravel Pit



# Report 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit

Compartment 12

Year of Entry 2019

Andrew Krugh : Examiner



## 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          | 123        | 48        | 323        | 53        | 343        | 184        | 19        | 0          | 76         | 49         | 0          | 0         | 0        | 0        | 0        | 0        | 11          | 1229        |
| Cedar                       | 0          | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0          | 6          | 100        | 0         | 0        | 0        | 0        | 0        | 0           | 106         |
| Herbaceous Openland         | 74         | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0          | 0          | 0          | 0         | 0        | 0        | 0        | 0        | 0           | 73          |
| Low-Density Trees           | 94         | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0          | 0          | 0          | 0         | 0        | 0        | 0        | 0        | 0           | 94          |
| Lowland Aspen/Balsam Poplar | 0          | 0          | 0         | 0          | 0         | 22         | 0          | 0         | 0          | 0          | 0          | 0          | 0         | 0        | 0        | 0        | 0        | 0           | 22          |
| Lowland Conifers            | 0          | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 3          | 33         | 45         | 10        | 0        | 0        | 0        | 0        | 2           | 92          |
| Lowland Mixed Forest        | 0          | 0          | 0         | 0          | 0         | 0          | 2          | 0         | 0          | 0          | 0          | 0          | 0         | 0        | 0        | 0        | 0        | 0           | 2           |
| Lowland Shrub               | 5          | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0          | 0          | 0          | 0         | 0        | 0        | 0        | 0        | 0           | 4           |
| Lowland Spruce/Fir          | 0          | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0          | 0          | 5          | 0         | 0        | 0        | 0        | 0        | 0           | 5           |
| Marsh                       | 58         | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0          | 0          | 0          | 0         | 0        | 0        | 0        | 0        | 0           | 58          |
| Mixed Upland Deciduous      | 0          | 34         | 8         | 0          | 0         | 0          | 0          | 0         | 0          | 18         | 0          | 103        | 0         | 0        | 0        | 0        | 0        | 0           | 163         |
| Natural Mixed Pines         | 0          | 0          | 0         | 0          | 0         | 0          | 9          | 4         | 0          | 0          | 31         | 0          | 0         | 0        | 0        | 0        | 0        | 0           | 43          |
| Northern Hardwood           | 0          | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 22         | 0          | 0          | 0          | 0         | 0        | 0        | 0        | 0        | 41          | 63          |
| Oak                         | 0          | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 188        | 259        | 73         | 0         | 0        | 0        | 0        | 0        | 0           | 520         |
| Red Pine                    | 0          | 0          | 0         | 0          | 0         | 0          | 12         | 0         | 117        | 1          | 0          | 0          | 0         | 0        | 0        | 0        | 0        | 10          | 140         |
| Tamarack                    | 0          | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0          | 0          | 2          | 0         | 0        | 0        | 0        | 0        | 0           | 2           |
| Treed Bog                   | 4          | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0          | 0          | 0          | 0         | 0        | 0        | 0        | 0        | 0           | 4           |
| Upland Mixed Forest         | 0          | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 19         | 0          | 17         | 0          | 0         | 0        | 0        | 0        | 0        | 23          | 59          |
| Upland Shrub                | 9          | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0          | 0          | 0          | 0         | 0        | 0        | 0        | 0        | 0           | 9           |
| Urban                       | 39         | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0          | 0          | 0          | 0         | 0        | 0        | 0        | 0        | 0           | 39          |
| Water                       | 85         | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0          | 0          | 0          | 0         | 0        | 0        | 0        | 0        | 0           | 85          |
| White Pine                  | 0          | 0          | 0         | 0          | 0         | 0          | 0          | 0         | 0          | 0          | 2          | 0          | 0         | 0        | 0        | 0        | 1        | 0           | 3           |
| <b>Total</b>                | <b>368</b> | <b>157</b> | <b>56</b> | <b>323</b> | <b>53</b> | <b>365</b> | <b>207</b> | <b>23</b> | <b>158</b> | <b>286</b> | <b>397</b> | <b>328</b> | <b>10</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>1</b> | <b>87</b>   | <b>2815</b> |



## Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 12

Year of Entry: 2019

Acres of Harvest

Total Compartment Acres: 2,812

Commercial Harvest - 638  
 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                  | 161        | 0         | 0              | 0         | 0           | 0         | 0                 | 0        | 0        | 161         |
| Mixed Upland Deciduous | 50         | 0         | 0              | 0         | 0           | 0         | 0                 | 0        | 0        | 50          |
| Northern Hardwood      | 0          | 23        | 0              | 0         | 0           | 0         | 0                 | 0        | 0        | 23          |
| Oak                    | 258        | 0         | 0              | 0         | 0           | 25        | 0                 | 0        | 0        | 283         |
| Red Pine               | 108        | 0         | 0              | 0         | 0           | 0         | 0                 | 0        | 0        | 108         |
| Upland Mixed Forest    | 13         | 0         | 0              | 0         | 0           | 0         | 0                 | 0        | 0        | 13          |
| <b>Total</b>           | <b>589</b> | <b>23</b> | <b>0</b>       | <b>0</b>  | <b>0</b>    | <b>25</b> | <b>0</b>          | <b>0</b> | <b>0</b> | <b>638</b>  |

### Proposed and Next Step Treatments by Method

|              | Harvest    | Site Prep  | Planting   | Seeding  | Burning    | Pesticide  | Monitoring  | Other    | Non-Forest Mgt. | Total Acres |
|--------------|------------|------------|------------|----------|------------|------------|-------------|----------|-----------------|-------------|
| Current      | 638        | 0          | 0          | 0        | 67         | 0          | 25          | 0        | 45              | 775         |
| Next Step    | 0          | 577        | 406        | 0        | 245        | 489        | 1035        | 0        | 0               | 2752        |
| <b>Total</b> | <b>638</b> | <b>577</b> | <b>406</b> | <b>0</b> | <b>312</b> | <b>489</b> | <b>1060</b> | <b>0</b> | <b>45</b>       | <b>3527</b> |



| Stand Name | Treatment Name | Acres | Stand CoverType           | Size Density   | Stand Age | BA Range | Treatment Type | Treatment Method        | Cover Type Objective     | Age Structure | Approval Status                   |
|------------|----------------|-------|---------------------------|----------------|-----------|----------|----------------|-------------------------|--------------------------|---------------|-----------------------------------|
| 7          | 54012007-Cut   | 21.1  | 4124 - Red with White Oak | Sawtimber Poor | 98        | 1-50     | Harvest        | Clearcut with Retention | 42110 - Planted Red Pine | Even-Aged     | Proposal - Approval Pending Edits |

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

Prescription Clearcut leaving 3-10 percent retention. Plant red pine in flatter areas where possible

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); Planting, Interplant; SitePrep, Trenching; SitePrep, Roller Chopping  
Treatments:

Acceptable Regen: Moderate to fully stocked red pine in flatter areas where possible to plant. and moderate to fully stocked maple, oak, aspen in areas unable to plant.

Other Comment:

Proposed Start Date: 10/01/2017

|    |              |      |                |                  |    |       |         |                         |                                     |           |                                   |
|----|--------------|------|----------------|------------------|----|-------|---------|-------------------------|-------------------------------------|-----------|-----------------------------------|
| 10 | 54012010-Cut | 23.2 | 4123 - Red Oak | Sawtimber Medium | 97 | 51-80 | Harvest | Clearcut with Retention | 4199 - Other Mixed Upland Deciduous | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|----------------|------------------|----|-------|---------|-------------------------|-------------------------------------|-----------|-----------------------------------|

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

Prescription clearcut leaving 3-10 % retention. if regeneration fails then plant to red pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Trenching; SitePrep, Roller Chopping; Planting, Initial Plant; Monitoring, Artificial  
Treatments: Regen(1yr)

Acceptable Regen: A moderate to fully stocked stand that has a higher percent to oak than aspen and red maple.

Other Comment:

Proposed Start Date: 10/01/2018

|    |             |     |                           |            |  |  |              |                                 |              |  |                   |
|----|-------------|-----|---------------------------|------------|--|--|--------------|---------------------------------|--------------|--|-------------------|
| 22 | 54012022-NF | 2.0 | 31022 - Warm Season Grass | Nonstocked |  |  | NonForestMgt | Herbaceous/Crop /Grass Planting | 3102 - Grass |  | Approved Proposal |
|----|-------------|-----|---------------------------|------------|--|--|--------------|---------------------------------|--------------|--|-------------------|

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

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

Specs:

Next Step Treatments:

Acceptable Regen:

Other Comment: recreational trail specs

Proposed Start Date: 10/01/2018

|    |              |      |              |                |    |         |         |                         |             |           |                                   |
|----|--------------|------|--------------|----------------|----|---------|---------|-------------------------|-------------|-----------|-----------------------------------|
| 29 | 54012029-Cut | 19.4 | 4130 - Aspen | Sawtimber Well | 67 | 111-140 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|--------------|----------------|----|---------|---------|-------------------------|-------------|-----------|-----------------------------------|

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

Prescription clearcut with 3-10% retention. use grouse specs. try to focus retention for best visual from 612.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)  
Treatments:

Acceptable Regen: moderate to fully stocked aspen, maple and oak.

Regen:

Other Comment: there is some advanced regeneration of oak around 429 might be good spot for retention.

Proposed Start Date: 10/01/2018



| S<br>t<br>a<br>n<br>d | Treatment Name | Acres | Stand CoverType                     | Size Density   | Stand Age | BA Range | Treatment Type | Treatment Method        | Cover Type Objective | Age Structure | Approval Status                   |
|-----------------------|----------------|-------|-------------------------------------|----------------|-----------|----------|----------------|-------------------------|----------------------|---------------|-----------------------------------|
| 31                    | 54012031-Cut   | 39.8  | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 102       | 111-140  | Harvest        | Clearcut with Retention | 4131 - Aspen, Oak    | Even-Aged     | Proposal - Approval Pending Edits |

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

Prescription clearcut all species 2 inches and greater. leave 3-10% retention. stand may change in size and shape when line is ran.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable moderate to fully stocked stand of aspen, oak, maple.

Regen:

Other focus on heavy aspen pockets. with that said don't chase the aspen in oak dominated areas and create aspen stands out of oak stands.

Comment:

Proposed Start Date: 10/01/2018

|    |              |      |                               |              |    |          |         |                         |             |           |                                   |
|----|--------------|------|-------------------------------|--------------|----|----------|---------|-------------------------|-------------|-----------|-----------------------------------|
| 40 | 54012041-Cut | 21.5 | 4139 - Aspen, Mixed Deciduous | Sapling Well | 27 | Immature | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|-------------------------------|--------------|----|----------|---------|-------------------------|-------------|-----------|-----------------------------------|

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

Prescription clearcut all species except white pine. add grouse spec. leave 3-10% retention. try to focus retention around stream.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable moderate to fully stocked aspen, maple, and pine.

Regen:

Other two landing will be needed because of creek running through stand.

Comment:

Proposed Start Date: 10/01/2018

|    |              |      |                                     |                |    |        |         |                         |             |           |                                   |
|----|--------------|------|-------------------------------------|----------------|----|--------|---------|-------------------------|-------------|-----------|-----------------------------------|
| 49 | 54012049-Cut | 10.6 | 4199 - Other Mixed Upland Deciduous | Sawtimber Well | 87 | 81-110 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|-------------------------------------|----------------|----|--------|---------|-------------------------|-------------|-----------|-----------------------------------|

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

Prescription Clearcut retention leaving 3-10 percent. use grouse specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable a moderate to fully stocked stand of aspen, oak and red maple.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

|    |              |     |              |                |    |         |         |          |             |           |                                   |
|----|--------------|-----|--------------|----------------|----|---------|---------|----------|-------------|-----------|-----------------------------------|
| 54 | 54012054-Cut | 2.4 | 4130 - Aspen | Sawtimber Well | 98 | 111-140 | Harvest | Clearcut | 413 - Aspen | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|-----|--------------|----------------|----|---------|---------|----------|-------------|-----------|-----------------------------------|

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

Prescription Clearcut leaving no retention due to small size. use grouse spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable a moderate to fully stocked stand of aspen, oak and red maple.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



| S<br>t<br>a<br>n<br>d | Treatment<br>Name | Acres | Stand<br>CoverType | Size<br>Density   | Stand<br>Age | BA<br>Range | Treatment<br>Type | Treatment<br>Method        | Cover Type<br>Objective | Age<br>Structure | Approval<br>Status                      |
|-----------------------|-------------------|-------|--------------------|-------------------|--------------|-------------|-------------------|----------------------------|-------------------------|------------------|-----------------------------------------|
| 55                    | 54012055-Cut      | 30.0  | 4131 - Aspen, Oak  | Sawtimber<br>Well | 92           | 81-110      | Harvest           | Clearcut with<br>Retention | 413 - Aspen             | Even-Aged        | Proposal -<br>Approval<br>Pending Edits |

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

Prescription Clearcut leaving 3-10 percent retention. Try and leave retention, along slopes of 35% or more.

Specs: -shortwood only on steep slopes. Producer can chip the rest of the sale area if wanted.  
-add grouse and trail specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable a moderate to fully stocked stand of aspen, maple, oak.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

|    |              |      |                                                 |                   |    |             |         |                            |                      |           |                                         |
|----|--------------|------|-------------------------------------------------|-------------------|----|-------------|---------|----------------------------|----------------------|-----------|-----------------------------------------|
| 65 | 54012065-Cut | 60.4 | 42111 - Planted<br>Red Pine, Mixed<br>Deciduous | Sawtimber<br>Well | 72 | 111-<br>140 | Harvest | Clearcut with<br>Retention | 4121 - Oak,<br>Aspen | Even-Aged | Proposal -<br>Approval<br>Pending Edits |
|----|--------------|------|-------------------------------------------------|-------------------|----|-------------|---------|----------------------------|----------------------|-----------|-----------------------------------------|

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

Prescription Clearcut leaving 3-10 percent retention. cut to product length. low slash piles. Use Recreation protections spec's for equestrian trail. Place

Specs: retention for rec trail visual management.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable a moderate to fully stocked stand of oak, aspen, maple, pine,

Regen:

Other

if unsuccessful replant to red pine.

Comment:

Proposed Start Date: 10/01/2018

|    |              |      |                              |                   |    |      |         |                      |                |           |                                         |
|----|--------------|------|------------------------------|-------------------|----|------|---------|----------------------|----------------|-----------|-----------------------------------------|
| 67 | 54012067-Cut | 25.3 | 4124 - Red with<br>White Oak | Sawtimber<br>Poor | 89 | 1-50 | Harvest | Overstory<br>Removal | 4123 - Red Oak | Even-Aged | Proposal -<br>Approval<br>Pending Edits |
|----|--------------|------|------------------------------|-------------------|----|------|---------|----------------------|----------------|-----------|-----------------------------------------|

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

Prescription clearcut two inches and greater. leave all pine. Use Recreation protections spec's for equestrian trail on trucking.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); Planting, Initial Plant; SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide,

Treatments: Skidder/Mechanical; Pesticide, Aerial; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable A moderate to fully stocked stand that has a higher percent to oak than aspen and red maple.

Regen:

Other

target retention around advanced oak regeneration. if oak fails plant red pine.

Comment:

Proposed Start Date: 10/01/2018

|    |              |      |                             |                   |    |             |         |                            |                  |           |                                         |
|----|--------------|------|-----------------------------|-------------------|----|-------------|---------|----------------------------|------------------|-----------|-----------------------------------------|
| 68 | 54012068-Cut | 47.6 | 42110 - Planted<br>Red Pine | Sawtimber<br>Well | 70 | 111-<br>140 | Harvest | Clearcut with<br>Retention | 4122 - Oak, Pine | Even-Aged | Proposal -<br>Approval<br>Pending Edits |
|----|--------------|------|-----------------------------|-------------------|----|-------------|---------|----------------------------|------------------|-----------|-----------------------------------------|

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

Prescription Cut all species except white pine and aspen. protect oak understory with short wood operation. Use Recreation protections spec's for equestrian

Specs: trail

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable moderate to fully stocked oak, with pine, aspen and red maple component.

Regen:

Other

leave out ridge of more aspen in north east part of stand to keep oak from getting over topped.

Comment:

Proposed Start Date: 10/01/2018



| S<br>t<br>a<br>n<br>d | Treatment<br>Name | Acres | Stand<br>CoverType | Size<br>Density     | Stand<br>Age | BA<br>Range | Treatment<br>Type | Treatment<br>Method        | Cover Type<br>Objective                   | Age<br>Structure | Approval<br>Status                      |
|-----------------------|-------------------|-------|--------------------|---------------------|--------------|-------------|-------------------|----------------------------|-------------------------------------------|------------------|-----------------------------------------|
| 72                    | 54012072-Cut      | 63.6  | 4123 - Red Oak     | Sawtimber<br>Medium | 82           | 51-80       | Harvest           | Clearcut with<br>Retention | 4199 - Other<br>Mixed Upland<br>Deciduous | Even-Aged        | Proposal -<br>Approval<br>Pending Edits |

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

Prescription Clearcut leaving 3-10 percent retention. use trail specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Planting, Replant;

Treatments: Pesticide, Skidder/Mechanical; Pesticide, Aerial; Monitoring, Artificial Regen(1yr); Monitoring, Artificial

Acceptable a moderate to fully stocked stand consisting of more oak, then aspen, maple, and pine.

Regen:

Other plant red pine if oak fails.

Comment:

Proposed Start Date: 10/01/2018

|    |               |      |                            |            |  |                 |      |         |                             |  |                      |
|----|---------------|------|----------------------------|------------|--|-----------------|------|---------|-----------------------------|--|----------------------|
| 77 | 54012077-Burn | 37.3 | 330 - Low-Density<br>Trees | Nonstocked |  | Unspec<br>ified | Burn | Opening | 330 - Low-<br>Density Trees |  | Approved<br>Proposal |
|----|---------------|------|----------------------------|------------|--|-----------------|------|---------|-----------------------------|--|----------------------|

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

Prescription Burn to help create barrens type setting. Burn as seen fit for barrens type setting.

Specs:

Next Step Burn, Other

Treatments:

Acceptable

Regen:

Other If burning is not an option, maintain using herbicide, mowing, or by other means seen fit by biologist.

Comment:

Proposed Start Date: 04/01/2018

|    |              |      |              |                   |    |             |         |          |             |           |                                         |
|----|--------------|------|--------------|-------------------|----|-------------|---------|----------|-------------|-----------|-----------------------------------------|
| 78 | 54012078-Cut | 11.2 | 4130 - Aspen | Sawtimber<br>Well | 92 | 141-<br>170 | Harvest | Clearcut | 413 - Aspen | Even-Aged | Proposal -<br>Approval<br>Pending Edits |
|----|--------------|------|--------------|-------------------|----|-------------|---------|----------|-------------|-----------|-----------------------------------------|

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

Prescription Clearcut leaving no retention due to small size. use grouse spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A moderate to fully stocked stand of aspen, maple, oak.

Regen:

Other Could possibly use gravel pit as landing.

Comment:

Proposed Start Date: 10/01/2018

|    |              |      |                |                   |    |      |         |                            |                             |           |                                         |
|----|--------------|------|----------------|-------------------|----|------|---------|----------------------------|-----------------------------|-----------|-----------------------------------------|
| 79 | 54012079-Cut | 53.8 | 4123 - Red Oak | Sawtimber<br>Poor | 92 | 1-50 | Harvest | Clearcut with<br>Retention | 42110 - Planted<br>Red Pine | Even-Aged | Proposal -<br>Approval<br>Pending Edits |
|----|--------------|------|----------------|-------------------|----|------|---------|----------------------------|-----------------------------|-----------|-----------------------------------------|

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

Prescription clearcut with retention leave 3-10 %. low stumps spec, target advanced oak for retention. plant red pine after harvest.

Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; ; Pesticide, Skidder/Mechanical; Pesticide, Aerial; Monitoring,

Treatments: Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Burn, Slash

Acceptable moderate to fully stocked red pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



| S<br>t<br>a<br>n<br>d | Treatment Name | Acres | Stand CoverType  | Size Density   | Stand Age | BA Range | Treatment Type | Treatment Method        | Cover Type Objective     | Age Structure | Approval Status                   |
|-----------------------|----------------|-------|------------------|----------------|-----------|----------|----------------|-------------------------|--------------------------|---------------|-----------------------------------|
| 81                    | 54012081-Cut   | 28.7  | 4122 - Oak, Pine | Sawtimber Poor | 92        | 1-50     | Harvest        | Clearcut with Retention | 42110 - Planted Red Pine | Even-Aged     | Proposal - Approval Pending Edits |

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

Prescription clearcut with retention leave 3-10 %. low stumps spec, target advanced oak for retention. plant red pine after harvest.

Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; ; Pesticide, Skidder/Mechanical; Pesticide, Aerial; Monitoring,  
Treatments: Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Moderate to fully stocked red pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

|    |              |      |                |                  |    |       |         |                         |                          |           |                                   |
|----|--------------|------|----------------|------------------|----|-------|---------|-------------------------|--------------------------|-----------|-----------------------------------|
| 84 | 54012084-Cut | 19.7 | 4123 - Red Oak | Sawtimber Medium | 88 | 51-80 | Harvest | Clearcut with Retention | 42110 - Planted Red Pine | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|----------------|------------------|----|-------|---------|-------------------------|--------------------------|-----------|-----------------------------------|

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

Prescription clearcut with retention leave 3-10 %. low stumps spec, target advanced oak for retention. plant red pine after harvest. Add trail specs.

Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; ; Pesticide, Skidder/Mechanical; Pesticide, Aerial; Monitoring,  
Treatments: Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Burn, Slash

Acceptable moderate to fully stocked red pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

|    |              |      |                   |                |    |        |         |                         |             |           |                                   |
|----|--------------|------|-------------------|----------------|----|--------|---------|-------------------------|-------------|-----------|-----------------------------------|
| 98 | 54012098-Cut | 24.8 | 4131 - Aspen, Oak | Sawtimber Well | 45 | 81-110 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Proposal - Approval Pending Edits |
|----|--------------|------|-------------------|----------------|----|--------|---------|-------------------------|-------------|-----------|-----------------------------------|

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

Prescription Clearcut leaving 3-10% retention. use grouse spec. make sure all scotch pine is cut no matter the size.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A moderate to fully stocked stand of aspen, maple, fir, pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

|     |              |      |                   |                |    |         |         |                         |             |           |                                   |
|-----|--------------|------|-------------------|----------------|----|---------|---------|-------------------------|-------------|-----------|-----------------------------------|
| 101 | 54012101-Cut | 42.7 | 4131 - Aspen, Oak | Sawtimber Well | 88 | 111-140 | Harvest | Clearcut with Retention | 413 - Aspen | Even-Aged | Proposal - Approval Pending Edits |
|-----|--------------|------|-------------------|----------------|----|---------|---------|-------------------------|-------------|-----------|-----------------------------------|

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

Prescription Clearcut with 3-10 percent retention. leave the retention around SCA to the east. Use grouse spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable a moderate to fully stocked stand of aspen, oak and red maple.

Regen:

Other check MNFI

Comment:

Proposed Start Date: 10/01/2018





| S<br>t<br>a<br>n<br>d | Treatment Name | Acres | Stand CoverType   | Size Density   | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Age Structure | Approval Status                   |
|-----------------------|----------------|-------|-------------------|----------------|-----------|----------|----------------|------------------|----------------------|---------------|-----------------------------------|
| 103                   | 54012103-Cut   | 8.5   | 4131 - Aspen, Oak | Sawtimber Well | 48        | 111-140  | Harvest        | Clearcut         | 413 - Aspen          | Even-Aged     | Proposal - Approval Pending Edits |

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

Prescription Clearcut leaving no retention due to small size. Use trail specs. and also grouse specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable a moderate to fully stocked stand of aspen, maple, oak and red/white pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

|     |              |      |                                 |                |    |         |         |                       |                         |             |                                   |
|-----|--------------|------|---------------------------------|----------------|----|---------|---------|-----------------------|-------------------------|-------------|-----------------------------------|
| 107 | 54012107-Cut | 23.4 | 4119 - Mixed Northern Hardwoods | Sawtimber Well | 92 | 141-170 | Harvest | Single Tree Selection | 411 - Northern Hardwood | Uneven-Aged | Proposal - Approval Pending Edits |
|-----|--------------|------|---------------------------------|----------------|----|---------|---------|-----------------------|-------------------------|-------------|-----------------------------------|

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

Prescription Thin down to 70 BA. do not spec out aspen or beech. add 1 gap for every 5 acres.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable 60 percent or more of oak and sugar maple. Some beech and aspen is acceptable.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

|     |                  |      |                                     |              |   |          |            |                       |                                     |           |                                   |
|-----|------------------|------|-------------------------------------|--------------|---|----------|------------|-----------------------|-------------------------------------|-----------|-----------------------------------|
| 119 | 54012119-Monitor | 24.7 | 4199 - Other Mixed Upland Deciduous | Sapling Well | 3 | Immature | Monitoring | Artificial Regen(3yr) | 4199 - Other Mixed Upland Deciduous | Even-Aged | Proposal - Approval Pending Edits |
|-----|------------------|------|-------------------------------------|--------------|---|----------|------------|-----------------------|-------------------------------------|-----------|-----------------------------------|

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

Prescription Check old five spots in three years to see how much oak is left.

Specs:

Next Step

Treatments:

Acceptable A moderate to fully stocked stand consisting of majority oak with aspen and maple close in percent cover as oak. this stand should still be majority oak.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

|     |             |     |                           |            |  |  |              |                                 |                    |  |                   |
|-----|-------------|-----|---------------------------|------------|--|--|--------------|---------------------------------|--------------------|--|-------------------|
| 142 | 54012142-NF | 5.9 | 3205 - Mixed Upland Shrub | Nonstocked |  |  | NonForestMgt | Herbaceous/Crop /Grass Planting | 320 - Upland Shrub |  | Approved Proposal |
|-----|-------------|-----|---------------------------|------------|--|--|--------------|---------------------------------|--------------------|--|-------------------|

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

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other follow trail specs

Comment:

Proposed Start Date: 10/01/2018



| Stand Name | Treatment Name | Acres | Stand CoverType           | Size Density     | Stand Age | BA Range | Treatment Type | Treatment Method        | Cover Type Objective                | Age Structure | Approval Status                   |
|------------|----------------|-------|---------------------------|------------------|-----------|----------|----------------|-------------------------|-------------------------------------|---------------|-----------------------------------|
| 144        | 54012144-Cut   | 40.3  | 4124 - Red with White Oak | Sawtimber Medium | 106       | 51-80    | Harvest        | Clearcut with Retention | 4199 - Other Mixed Upland Deciduous | Even-Aged     | Proposal - Approval Pending Edits |

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

Prescription Clearcut leaving 3-10 % retention. focus retention around pine in understory.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Planting, Replant;  
Treatments: Pesticide, Skidder/Mechanical; Pesticide, Aerial; Monitoring, Artificial Regen(1yr); Monitoring, Artificial

Acceptable A moderate to fully stocked stand that has a higher percent to oak than aspen and red maple.

Regen:

Other if this stand fails regeneration plant to red pine.

Comment:

Proposed Start Date: 10/01/2018

|     |               |      |                         |            |  |             |      |         |                         |  |                                   |
|-----|---------------|------|-------------------------|------------|--|-------------|------|---------|-------------------------|--|-----------------------------------|
| 164 | 54012164-Burn | 30.1 | 330 - Low-Density Trees | Nonstocked |  | Unspecified | Burn | Opening | 330 - Low-Density Trees |  | Proposal - Approval Pending Edits |
|-----|---------------|------|-------------------------|------------|--|-------------|------|---------|-------------------------|--|-----------------------------------|

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

Prescription Burn to maintain barrens type opening. Burn on a cycle seen fit to meet objectives. Use equestrian trail specs when burning.

Specs:

Next Step Burn, Opening

Treatments:

Acceptable

Regen:

Other If burning is not an option, maintain using herbicide, mowing, or by other means seen fit by biologist.

Comment:

Proposed Start Date: 04/01/2018

|     |              |      |                      |                |    |        |         |                         |                          |           |                                   |
|-----|--------------|------|----------------------|----------------|----|--------|---------|-------------------------|--------------------------|-----------|-----------------------------------|
| 206 | 54012206-Cut | 13.0 | 4310 - Pine, Oak Mix | Sawtimber Well | 98 | 81-110 | Harvest | Clearcut with Retention | 42110 - Planted Red Pine | Even-Aged | Proposal - Approval Pending Edits |
|-----|--------------|------|----------------------|----------------|----|--------|---------|-------------------------|--------------------------|-----------|-----------------------------------|

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

Prescription Clearcut with retention, cutting 2 inches and greater. leave 3-10 percent retention.

Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder/Mechanical; Pesticide, Aerial; Planting, Initial Plant; Planting, Replant;  
Treatments: Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable a moderate to fully stocked stand of red pine.

Regen:

Other when done plant red pine.

Comment:

Proposed Start Date: 10/01/2017

|     |              |     |                                 |                |     |        |         |          |                   |           |                                   |
|-----|--------------|-----|---------------------------------|----------------|-----|--------|---------|----------|-------------------|-----------|-----------------------------------|
| 228 | 54012228-Cut | 7.1 | 4126 - White, Black, N. Pin Oak | Sawtimber Well | 102 | 81-110 | Harvest | Clearcut | 4121 - Oak, Aspen | Even-Aged | Proposal - Approval Pending Edits |
|-----|--------------|-----|---------------------------------|----------------|-----|--------|---------|----------|-------------------|-----------|-----------------------------------|

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

Prescription Clearcut no retention due to small size. use grouse spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable a moderate to fully stocked stand of oak, aspen, and red maple.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



| S<br>t<br>a<br>n<br>d | Treatment<br>Name | Acres | Stand<br>CoverType | Size<br>Density | Stand<br>Age | BA<br>Range     | Treatment<br>Type | Treatment<br>Method                | Cover Type<br>Objective | Age<br>Structure | Approval<br>Status   |
|-----------------------|-------------------|-------|--------------------|-----------------|--------------|-----------------|-------------------|------------------------------------|-------------------------|------------------|----------------------|
| 431                   | 54012431-NF       | 8.8   | 3102 - Grass       | Nonstocked      |              | Unspec<br>ified | NonForestMgt      | Herbaceous/Crop<br>/Grass Planting | 3104 - Degraded         |                  | Approved<br>Proposal |

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

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

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

|     |             |     |              |            |  |                 |              |                                    |                 |  |                      |
|-----|-------------|-----|--------------|------------|--|-----------------|--------------|------------------------------------|-----------------|--|----------------------|
| 435 | 54012435-NF | 4.6 | 3102 - Grass | Nonstocked |  | Unspec<br>ified | NonForestMgt | Herbaceous/Crop<br>/Grass Planting | 3104 - Degraded |  | Approved<br>Proposal |
|-----|-------------|-----|--------------|------------|--|-----------------|--------------|------------------------------------|-----------------|--|----------------------|

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

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

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

|     |             |     |              |            |  |                 |              |                                    |              |  |                      |
|-----|-------------|-----|--------------|------------|--|-----------------|--------------|------------------------------------|--------------|--|----------------------|
| 439 | 54012439-NF | 5.3 | 3102 - Grass | Nonstocked |  | Unspec<br>ified | NonForestMgt | Herbaceous/Crop<br>/Grass Planting | 3102 - Grass |  | Approved<br>Proposal |
|-----|-------------|-----|--------------|------------|--|-----------------|--------------|------------------------------------|--------------|--|----------------------|

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

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

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

|     |             |     |              |            |  |                 |              |                                    |                 |  |                      |
|-----|-------------|-----|--------------|------------|--|-----------------|--------------|------------------------------------|-----------------|--|----------------------|
| 440 | 54012440-NF | 5.5 | 3102 - Grass | Nonstocked |  | Unspec<br>ified | NonForestMgt | Herbaceous/Crop<br>/Grass Planting | 3104 - Degraded |  | Approved<br>Proposal |
|-----|-------------|-----|--------------|------------|--|-----------------|--------------|------------------------------------|-----------------|--|----------------------|

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

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

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018



| S<br>t<br>a<br>n<br>d | Treatment<br>Name | Acres | Stand<br>CoverType | Size<br>Density | Stand<br>Age | BA<br>Range     | Treatment<br>Type | Treatment<br>Method                | Cover Type<br>Objective | Age<br>Structure | Approval<br>Status   |
|-----------------------|-------------------|-------|--------------------|-----------------|--------------|-----------------|-------------------|------------------------------------|-------------------------|------------------|----------------------|
| 443                   | 54012443-NF       | 1.0   | 3102 - Grass       | Nonstocked      |              | Unspec<br>ified | NonForestMgt      | Herbaceous/Crop<br>/Grass Planting | 3102 - Grass            |                  | Approved<br>Proposal |

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

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

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

|     |             |     |              |            |  |                 |              |                                    |              |  |                      |
|-----|-------------|-----|--------------|------------|--|-----------------|--------------|------------------------------------|--------------|--|----------------------|
| 447 | 54012447-NF | 5.0 | 3102 - Grass | Nonstocked |  | Unspec<br>ified | NonForestMgt | Herbaceous/Crop<br>/Grass Planting | 3102 - Grass |  | Approved<br>Proposal |
|-----|-------------|-----|--------------|------------|--|-----------------|--------------|------------------------------------|--------------|--|----------------------|

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

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

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

|     |             |     |                 |            |  |                 |              |                                    |                 |  |                      |
|-----|-------------|-----|-----------------|------------|--|-----------------|--------------|------------------------------------|-----------------|--|----------------------|
| 465 | 54012465-NF | 1.4 | 3104 - Degraded | Nonstocked |  | Unspec<br>ified | NonForestMgt | Herbaceous/Crop<br>/Grass Planting | 3104 - Degraded |  | Approved<br>Proposal |
|-----|-------------|-----|-----------------|------------|--|-----------------|--------------|------------------------------------|-----------------|--|----------------------|

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

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

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

|     |             |     |              |            |  |  |              |                                    |              |  |                      |
|-----|-------------|-----|--------------|------------|--|--|--------------|------------------------------------|--------------|--|----------------------|
| 481 | 54012481-NF | 2.3 | 3102 - Grass | Nonstocked |  |  | NonForestMgt | Herbaceous/Crop<br>/Grass Planting | 3102 - Grass |  | Approved<br>Proposal |
|-----|-------------|-----|--------------|------------|--|--|--------------|------------------------------------|--------------|--|----------------------|

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

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

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018



| S<br>t<br>a<br>n<br>d | Treatment<br>Name | Acres | Stand<br>CoverType | Size<br>Density | Stand<br>Age | BA<br>Range | Treatment<br>Type | Treatment<br>Method                | Cover Type<br>Objective | Age<br>Structure | Approval<br>Status   |
|-----------------------|-------------------|-------|--------------------|-----------------|--------------|-------------|-------------------|------------------------------------|-------------------------|------------------|----------------------|
| 498                   | 54012498-NF       | 2.5   | 3102 - Grass       | Nonstocked      |              |             | NonForestMgt      | Herbaceous/Crop<br>/Grass Planting | 3102 - Grass            |                  | Approved<br>Proposal |

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

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

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

|     |             |     |              |            |  |  |              |                                    |              |  |                      |
|-----|-------------|-----|--------------|------------|--|--|--------------|------------------------------------|--------------|--|----------------------|
| 499 | 54012499-NF | 0.8 | 3102 - Grass | Nonstocked |  |  | NonForestMgt | Herbaceous/Crop<br>/Grass Planting | 3102 - Grass |  | Approved<br>Proposal |
|-----|-------------|-----|--------------|------------|--|--|--------------|------------------------------------|--------------|--|----------------------|

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

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

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Proposed Start Date: 10/01/2018

**Total Treatment  
 Acreage Proposed: 775.3**

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
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Compartment: 12  
Year of Entry: 2019

### Availability for Management

| Total<br>Acres | Acres<br>Available | Acres Avail    |  | Acres<br>Not Available |                             | Dominant Site Conditions |            |    |     |    |    |    |    |    |    |
|----------------|--------------------|----------------|--|------------------------|-----------------------------|--------------------------|------------|----|-----|----|----|----|----|----|----|
|                |                    | With Condition |  |                        |                             | 5B                       | 5C         | 2F | 2G  | 2H | 3B | 3D | 3G | 3J | 5E |
| 1228           | 985                | <b>201</b>     |  | 42                     | Aspen                       | <b>1</b>                 | <b>200</b> |    | 5   |    | 15 |    |    | 11 | 11 |
| 105            | 7                  | <b>0</b>       |  | 99                     | Cedar                       |                          |            |    | 83  |    |    |    | 16 |    |    |
| 73             | 73                 | <b>0</b>       |  | 0                      | Herbaceous Openland         |                          |            |    |     |    |    |    |    |    |    |
| 95             | 95                 | <b>0</b>       |  | 0                      | Low-Density Trees           |                          |            | 0  |     |    |    |    |    |    |    |
| 22             | 22                 | <b>0</b>       |  | 0                      | Lowland Aspen/Balsam Poplar |                          |            |    | 0   |    |    |    |    |    |    |
| 92             | 5                  | <b>0</b>       |  | 86                     | Lowland Conifers            |                          |            |    | 86  |    |    |    |    |    |    |
| 2              | 2                  | <b>0</b>       |  | 0                      | Lowland Mixed Forest        |                          |            |    |     |    |    |    |    |    |    |
| 5              | 3                  | <b>0</b>       |  | 1                      | Lowland Shrub               |                          |            |    | 1   |    |    |    |    |    | 0  |
| 5              | 0                  | <b>0</b>       |  | 5                      | Lowland Spruce/Fir          |                          |            |    | 5   |    |    |    |    |    |    |
| 58             | 57                 | <b>0</b>       |  | 1                      | Marsh                       |                          |            |    | 1   |    |    |    |    |    |    |
| 162            | 94                 | <b>68</b>      |  | 1                      | Mixed Upland Deciduous      |                          | <b>68</b>  |    |     |    |    |    |    |    | 1  |
| 44             | 4                  | <b>0</b>       |  | 40                     | Natural Mixed Pines         |                          |            | 0  | 9   |    |    | 31 |    |    |    |
| 63             | 61                 | <b>0</b>       |  | 2                      | Northern Hardwood           |                          |            |    | 2   |    |    |    |    |    |    |
| 519            | 293                | <b>214</b>     |  | 13                     | Oak                         | <b>8</b>                 | <b>206</b> |    | 0   |    |    |    |    |    | 13 |
| 140            | 122                | <b>0</b>       |  | 18                     | Red Pine                    |                          |            | 4  |     |    |    | 10 |    |    | 5  |
| 2              | 2                  | <b>0</b>       |  | 0                      | Tamarack                    |                          |            |    |     |    |    |    |    |    |    |
| 4              | 1                  | <b>0</b>       |  | 3                      | Treed Bog                   |                          |            |    | 3   |    |    |    |    |    |    |
| 59             | 50                 | <b>0</b>       |  | 9                      | Upland Mixed Forest         |                          |            |    |     |    |    |    |    | 3  | 5  |
| 9              | 9                  | <b>0</b>       |  | 0                      | Upland Shrub                |                          |            |    |     |    |    |    |    |    |    |
| 38             | 38                 | <b>0</b>       |  | 0                      | Urban                       |                          |            |    |     |    |    |    |    |    |    |
| 85             | 84                 | <b>0</b>       |  | 0                      | Water                       |                          |            |    | 0   |    |    |    |    |    |    |
| 2              | 2                  | <b>0</b>       |  | 1                      | White Pine                  |                          |            |    |     | 1  |    |    |    |    |    |
| 2,812          | 2,009              | <b>483</b>     |  | 320                    | Total Forested Acres        | <b>8</b>                 | <b>474</b> | 4  | 194 | 1  | 15 | 41 | 16 | 15 | 34 |
|                | 71%                | <b>17%</b>     |  | 11%                    | 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 | 5     | Unspecified          | Unspecified          | Unspecified          | Unspecified          |
| <b>Comments:</b> |                                 |                         |       |                      |                      |                      |                      |

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Andrew Krugh : Examiner

Compartment: 12  
Year of Entry: 2019

|                  |             |                                                                              |    |             |             |             |             |
|------------------|-------------|------------------------------------------------------------------------------|----|-------------|-------------|-------------|-------------|
| 2                | Unavailable | 3D: Recreational / Scenic values                                             | 10 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |             |             |             |             |
| 3                | Unavailable | 3D: Recreational / Scenic values                                             | 31 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |             |             |             |             |
| 4                | Unavailable | 5E: Long-Term Retention                                                      | 10 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |             |             |             |             |
| 5                | Unavailable | 3J: Water quality / BMPs (stream, river, or lake)                            | 10 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |             |             |             |             |
| 6                | Unavailable | 5E: Long-Term Retention                                                      | 1  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |             |             |             |             |
| 7                | Available   | 5C: Delay treatment for age/size class diversity or exceptional site quality | 38 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |             |             |             |             |

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Andrew Krugh : Examiner

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|                  |             |                                                                              |    |                                                                |             |             |             |
|------------------|-------------|------------------------------------------------------------------------------|----|----------------------------------------------------------------|-------------|-------------|-------------|
| 8                | Available   | 5C: Delay treatment for age/size class diversity or exceptional site quality | 12 | Unspecified                                                    | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |                                                                |             |             |             |
| 9                | Available   | 5C: Delay treatment for age/size class diversity or exceptional site quality | 58 | Unspecified                                                    | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |                                                                |             |             |             |
| 10               | Unavailable | 5E: Long-Term Retention                                                      | 7  | Unspecified                                                    | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |                                                                |             |             |             |
| 11               | Unavailable | 5E: Long-Term Retention                                                      | 2  | Unspecified                                                    | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |                                                                |             |             |             |
| 12               | Unavailable | 2G: Too wet (sensitive soils, does not include access issues)                | 9  | 3A: Conservation Values incompatible with harvest at this time | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |                                                                |             |             |             |
| 13               | Unavailable | 2G: Too wet (sensitive soils, does not include access issues)                | 5  | Unspecified                                                    | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |                                                                |             |             |             |



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|                  |             |                                                                              |    |             |             |             |             |
|------------------|-------------|------------------------------------------------------------------------------|----|-------------|-------------|-------------|-------------|
| 14               | Unavailable | 5E: Long-Term Retention                                                      | 5  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |             |             |             |             |
| 15               | Unavailable | 2F: Too steep                                                                | 4  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |             |             |             |             |
| 16               | Unavailable | 5E: Long-Term Retention                                                      | 1  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |             |             |             |             |
| 17               | Unavailable | 5E: Long-Term Retention                                                      | 1  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |             |             |             |             |
| 18               | Unavailable | 2G: Too wet (sensitive soils, does not include access issues)                | 1  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |             |             |             |             |
| 19               | Unavailable | 2G: Too wet (sensitive soils, does not include access issues)                | 17 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |             |             |             |             |
| 20               | Available   | 5C: Delay treatment for age/size class diversity or exceptional site quality | 18 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |             |             |             |             |

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|                  |                    |                                                                                     |    |             |             |             |             |
|------------------|--------------------|-------------------------------------------------------------------------------------|----|-------------|-------------|-------------|-------------|
| 21               | <b>Unavailable</b> | <b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>       | 1  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |                                                                                     |    |             |             |             |             |
| 22               | <b>Available</b>   | <b>5C: Delay treatment for age/size class diversity or exceptional site quality</b> | 6  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |                                                                                     |    |             |             |             |             |
| 23               | <b>Unavailable</b> | <b>3G: Other Influence zones - See comments</b>                                     | 16 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |                                                                                     |    |             |             |             |             |
| 24               | <b>Available</b>   | <b>5C: Delay treatment for age/size class diversity or exceptional site quality</b> | 15 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |                                                                                     |    |             |             |             |             |
| 25               | <b>Available</b>   | <b>5C: Delay treatment for age/size class diversity or exceptional site quality</b> | 51 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |                                                                                     |    |             |             |             |             |
| 26               | <b>Unavailable</b> | <b>2G: Too wet (sensitive soils, does not include access issues)</b>                | 43 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |                                                                                     |    |             |             |             |             |

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|                  |                    |                                                                                     |    |             |             |             |             |
|------------------|--------------------|-------------------------------------------------------------------------------------|----|-------------|-------------|-------------|-------------|
| 27               | <b>Unavailable</b> | <b>2G: Too wet (sensitive soils, does not include access issues)</b>                | 5  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |                                                                                     |    |             |             |             |             |
| 28               | <b>Available</b>   | <b>5C: Delay treatment for age/size class diversity or exceptional site quality</b> | 21 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |                                                                                     |    |             |             |             |             |
| 29               | <b>Available</b>   | <b>5C: Delay treatment for age/size class diversity or exceptional site quality</b> | 60 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |                                                                                     |    |             |             |             |             |
| 30               | <b>Available</b>   | <b>5C: Delay treatment for age/size class diversity or exceptional site quality</b> | 19 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |                                                                                     |    |             |             |             |             |
| 31               | <b>Available</b>   | <b>5C: Delay treatment for age/size class diversity or exceptional site quality</b> | 12 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |                    |                                                                                     |    |             |             |             |             |

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Year of Entry: 2019

|                  |           |                                                                              |    |             |             |             |             |
|------------------|-----------|------------------------------------------------------------------------------|----|-------------|-------------|-------------|-------------|
| 32               | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 7  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |           |                                                                              |    |             |             |             |             |
| 33               | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 15 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |           |                                                                              |    |             |             |             |             |
| 34               | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 4  | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |           |                                                                              |    |             |             |             |             |
| 35               | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 59 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |           |                                                                              |    |             |             |             |             |
| 36               | Available | 5C: Delay treatment for age/size class diversity or exceptional site quality | 17 | Unspecified | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |           |                                                                              |    |             |             |             |             |

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|                  |             |                                                                              |    |                                  |             |             |             |
|------------------|-------------|------------------------------------------------------------------------------|----|----------------------------------|-------------|-------------|-------------|
| 37               | Available   | 5C: Delay treatment for age/size class diversity or exceptional site quality | 13 | Unspecified                      | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |                                  |             |             |             |
| 38               | Available   | 5C: Delay treatment for age/size class diversity or exceptional site quality | 34 | Unspecified                      | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |                                  |             |             |             |
| 39               | Unavailable | 3J: Water quality / BMPs (stream, river, or lake)                            | 1  | Unspecified                      | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |                                  |             |             |             |
| 40               | Unavailable | 5E: Long-Term Retention                                                      | 3  | Unspecified                      | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |                                  |             |             |             |
| 41               | Available   | 5C: Delay treatment for age/size class diversity or exceptional site quality | 16 | Unspecified                      | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |                                  |             |             |             |
| 42               | Unavailable | 2G: Too wet (sensitive soils, does not include access issues)                | 27 | 3D: Recreational / Scenic values | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                              |    |                                  |             |             |             |

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Andrew Krugh : Examiner

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|                  |             |                                                               |    |                                      |             |             |             |
|------------------|-------------|---------------------------------------------------------------|----|--------------------------------------|-------------|-------------|-------------|
| 51               | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 3  | 3D: Recreational / Scenic values     | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                               |    |                                      |             |             |             |
| 88               | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 35 | Unspecified                          | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                               |    |                                      |             |             |             |
| 93               | Unavailable | 3J: Water quality / BMPs (stream, river, or lake)             | 4  | Unspecified                          | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                               |    |                                      |             |             |             |
| 104              | Available   | 5B: Maintain for regeneration purposes                        | 9  | Unspecified                          | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                               |    |                                      |             |             |             |
| 127              | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 40 | 1C: Other dept or div proc/practices | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                               |    |                                      |             |             |             |
| 227              | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 5  | Unspecified                          | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                               |    |                                      |             |             |             |

**Report 4 – Site Conditions**

Atlanta Mgt. Unit  
Andrew Krugh : Examiner

Compartment: 12  
Year of Entry: 2019

|                  |             |                                                                      |    |                                                   |             |             |             |
|------------------|-------------|----------------------------------------------------------------------|----|---------------------------------------------------|-------------|-------------|-------------|
| 252              | Unavailable | <b>3B: Threatened, endangered, and special concern species</b>       | 10 | Unspecified                                       | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                      |    |                                                   |             |             |             |
| 255              | Unavailable | <b>3B: Threatened, endangered, and special concern species</b>       | 5  | Unspecified                                       | Unspecified | Unspecified | Unspecified |
| <b>Comments:</b> |             |                                                                      |    |                                                   |             |             |             |
| 276              | Unavailable | <b>2G: Too wet (sensitive soils, does not include access issues)</b> | 6  | 3J: Water quality / BMPs (stream, river, or lake) | 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.                                                                                                                                                                                                                                                                                                                                              |
| SCA               | Research and Military Areas | These areas provide facilities and lands specifically dedicated for research, or other purposes. They include the 5,847 acre Forest Fire Experiment Station, the 12,000 acre Houghton Lake Wildlife Research Area, the Beaver Islands Archipelago Wildlife Research Area (that includes most of Garden Island, all of High and Hog Islands, all state owned land on Beaver, South Fox and North Fox Islands), the Cusino Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Research Station, the 125 acre Wyman Nursery, and over 144,000 acres of Military Lands.                                                                                                                                                                                                                                                   |
| SCA               | Riparian Area               | A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.                                                                                                                                                                                                                                                                                       |
| ERA               | Ecological Reference Areas  | Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form. |

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## Atlanta Mgt. Unit

## Report 7 – Forested Stands

Compartment: 12  
Year of Entry: 2019

| Stand | Level 4 Cover Type                     | Size Density      | Acres | Stand Age | BA Range | General Comments:                                                                                                                                                                                                                                                                                                                                                                                   |
|-------|----------------------------------------|-------------------|-------|-----------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | 4131 - Aspen, Oak                      | Poletimber Well   | 38.4  | 51        | 81-110   | OPIC - FMD: GAS WELL ON WEST EDGE OF STAND-Steep slopes west of trail leading to gas pad, gate is usually locked. Areas of smaller aspen with an overstory of oak. Red pine saw timber near gas pad. Larger aspen along Co. Rd. 612. Understory mostly red maple. Could cut to stagger aspen age class in compartment, if so, leave 3 to 4 oak and 3 to 4 aspen per acre, Leave red and white pine. |
| 2     | 4130 - Aspen                           | Poletimber Well   | 18.9  | 39        | 111-140  |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 3     | 42210 - Natural Red Pine               | Sawtimber Well    | 9.5   | 103       | 111-140  | OPIC - FMD: Natural stand of red pine. Leave for protection of stand 4. Need to block trail to stand 4, vehicle damage to stand 4.                                                                                                                                                                                                                                                                  |
| 5     | 4130 - Aspen                           | Poletimber Well   | 61.6  | 51        | 111-140  |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 6     | 4130 - Aspen                           | Poletimber Medium | 18.0  | 51        | 81-110   |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 7     | 4124 - Red with White Oak              | Sawtimber Poor    | 21.1  | 98        | 1-50     |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 8     | 4130 - Aspen                           | Sawtimber Well    | 12.8  | 51        | 111-140  |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 9     | 4131 - Aspen, Oak                      | Poletimber Well   | 33.5  | 51        | 51-80    |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 10    | 4123 - Red Oak                         | Sawtimber Medium  | 25.9  | 97        | 51-80    | OPIC - FMD: Travel area to Sage Lake. Retention along stand 4. Fisheries requested 150 ft no cut zone along Sage Lake. A variance was granted 11-20-2009 as described: Leave a residual BA of 50 instead of 70. The prescription called for a residual BA of 70, but the actual BA of most of the stand was lower than the inventory stated.                                                        |
| 11    | 4311 - Pine, Aspen Mix                 | Sawtimber Medium  | 7.3   | 78        | 51-80    | OPIC - FMD: Filling in. A portion of this stand may be cut with stand 11. SCA, adjacent to Sage Lake cedar swamp ERA. Fisheries requested 150 ft no cut zone along Sage Lake.                                                                                                                                                                                                                       |
| 12    | 42260 - Natural Pine, Mixed Deciduous  | Sawtimber Well    | 8.5   | 57        | 81-110   |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 14    | 4131 - Aspen, Oak                      | Sawtimber Well    | 10.4  | 85        | 51-80    | OPIC - FMD: Steep-Resource Damage, Blocked in past. Just west of public access.                                                                                                                                                                                                                                                                                                                     |
| 15    | 4130 - Aspen                           | Sapling Well      | 52.3  | 27        | Immature |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 16    | 6129 - Mixed Coniferous Lowland Forest | Poletimber Well   | 16.7  | 102       | 111-140  | Part of sage Lake sCA                                                                                                                                                                                                                                                                                                                                                                               |

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## Atlanta Mgt. Unit

## Report 7 – Forested Stands

Compartment: 12  
Year of Entry: 2019

| Level 4<br>Cover Type               | Size<br>Density | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:                                                                                                                                                                                           |
|-------------------------------------|-----------------|-------|--------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4130 - Aspen                        | Sapling Well    | 7.2   | 17           | Immature    | Cut 2000, sale 2-99 left oak. Snowmobile trail in west. Historic hunting camp to east.                                                                                                                         |
| 4130 - Aspen                        | Sapling Well    | 18.0  | 21           | Immature    | CUT WITH SALE FROM THE NORTH                                                                                                                                                                                   |
| 4130 - Aspen                        | Sapling Well    | 13.4  | 27           | 111-140     |                                                                                                                                                                                                                |
| 6120 - Lowland Cedar                | Poletimber Well | 82.7  | 102          | 81-110      | OPIC - FMD: Large stand near and along Sage Lake. M= Black Ash. ERA, Sage Lake cedar swamp.                                                                                                                    |
| 6127 - Lowland Pine                 | Poletimber Well | 10.2  | 112          | 111-140     | OPIC - FMD: Boggy soil conditions, drainage along east side, contains black spruce.                                                                                                                            |
| 4130 - Aspen                        | Sapling Well    | 16.6  | 4            | Immature    | OPIC - FMD: Hilly in spots, Smaller trees along 612. Leave retention along west edge. Cut aspen, red maple and jack pine. Stand contains some white pine in the understory to the east.<br><br>2015: Cut 2013. |
| 4130 - Aspen                        | Sawtimber Well  | 19.4  | 67           | 111-140     |                                                                                                                                                                                                                |
| 4123 - Red Oak                      | Sawtimber Well  | 14.9  | 102          | 51-80       |                                                                                                                                                                                                                |
| 4199 - Other Mixed Upland Deciduous | Sawtimber Well  | 102.6 | 102          | 111-140     |                                                                                                                                                                                                                |
| 4139 - Aspen, Mixed Deciduous       | Sapling Well    | 20.7  | 39           | 111-140     | Some pine content                                                                                                                                                                                              |
| 4311 - Pine, Aspen Mix              | Poletimber Poor | 22.7  | 27           | 1-50        | Kettle.                                                                                                                                                                                                        |
| 4130 - Aspen                        | Poletimber Well | 17.3  | 57           | 111-140     |                                                                                                                                                                                                                |
| 4130 - Aspen                        | Sapling Well    | 7.1   | 25           | 51-80       |                                                                                                                                                                                                                |
| 4131 - Aspen, Oak                   | Poletimber Well | 92.4  | 45           | 81-110      |                                                                                                                                                                                                                |
| 42498 - Red Pine (OI)               | Poletimber Well | 12.1  | 56           | 111-140     | OPIC - FMD: NUMEROUS MULTIPLE STEMS. Third row thin                                                                                                                                                            |
| 4124 - Red with White Oak           | Sawtimber Poor  | 37.3  | 96           | 51-80       | Cut 54-008-09-01.                                                                                                                                                                                              |
| 4139 - Aspen, Mixed Deciduous       | Sapling Well    | 70.1  | 27           | Immature    |                                                                                                                                                                                                                |



|    | Level 4<br>Cover Type                  | Size<br>Density      | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:                                                                             |
|----|----------------------------------------|----------------------|-------|--------------|-------------|--------------------------------------------------------------------------------------------------|
| 41 | 4136 - Aspen, Mixed<br>Conifer         | Sawtimber<br>Well    | 22.4  | 88           | 81-110      |                                                                                                  |
| 42 | 6124 - Lowland Spruce-<br>Fir          | Poletimber<br>Well   | 27.8  | 102          | 111-140     |                                                                                                  |
| 43 | 4130 - Aspen                           | Sapling Well         | 27.4  | 26           | Immature    |                                                                                                  |
| 44 | 4124 - Red with White<br>Oak           | Sawtimber<br>Well    | 60.1  | 96           | 81-110      |                                                                                                  |
| 45 | 4124 - Red with White<br>Oak           | Sawtimber<br>Well    | 18.6  | 98           | 51-80       |                                                                                                  |
| 47 | 4130 - Aspen                           | Poletimber<br>Medium | 74.7  | 41           | 141-170     |                                                                                                  |
| 48 | 4124 - Red with White<br>Oak           | Sawtimber<br>Well    | 3.1   | 96           | 111-140     |                                                                                                  |
| 49 | 4199 - Other Mixed<br>Upland Deciduous | Sawtimber<br>Well    | 10.6  | 87           | 81-110      |                                                                                                  |
| 52 | 4131 - Aspen, Oak                      | Sapling Well         | 8.9   | 17           | Immature    | OPIC - FMD: cut 2000, sale 2-99, left oak. Good reproduction.                                    |
| 53 | 6122 - Black Spruce                    | Sawtimber<br>Well    | 4.8   | 102          | 81-110      | OPIC - FMD: HOLD INDEF-LOW AREA. SCA, adjacent to Sage Lake cedar swamp ERA                      |
| 54 | 4130 - Aspen                           | Sawtimber<br>Well    | 2.4   | 98           | 111-140     |                                                                                                  |
| 55 | 4131 - Aspen, Oak                      | Sawtimber<br>Well    | 30.3  | 92           | 81-110      |                                                                                                  |
| 56 | 4199 - Other Mixed<br>Upland Deciduous | Sawtimber<br>Well    | 5.5   | 86           | 81-110      | OPIC - FMD: SHOULD LEAVE AS A BUFFER FOR STAND 26, conifer component in the north.               |
| 57 | 4131 - Aspen, Oak                      | Sapling Poor         | 4.3   | 6            | Immature    | OPIC - FMD: Red Maple in understory. --Stand clearcut in 2011. Natural regeneration in progress. |
| 58 | 6121 - Tamarack                        | Poletimber<br>Medium | 1.7   | 102          | 51-80       |                                                                                                  |
| 59 | 6120 - Lowland Cedar                   | Poletimber<br>Well   | 1.3   | 102          | 81-110      | Stand Year Origin was 1915                                                                       |
| 60 | 4199 - Other Mixed<br>Upland Deciduous | Sapling Poor         | 8.8   | 3            | 1-50        |                                                                                                  |
| 61 | 4130 - Aspen                           | Poletimber<br>Well   | 27.8  | 41           | 141-170     | OPIC - FMD: Some pine content.                                                                   |



| Stand | Level 4 Cover Type                        | Size Density     | Acres | Stand Age | BA Range | General Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------|-------------------------------------------|------------------|-------|-----------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 62    | 4130 - Aspen                              | Poletimber Well  | 11.4  | 41        | 1-50     | OPIC - FMD: Larger trees along road.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 64    | 4130 - Aspen                              | Sapling Well     | 4.8   | 17        | Immature |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 65    | 42111 - Planted Red Pine, Mixed Deciduous | Sawtimber Well   | 60.4  | 72        | 111-140  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 67    | 4124 - Red with White Oak                 | Sawtimber Poor   | 25.3  | 89        | 1-50     | Sale #54-047-09-01 cut in 2009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 68    | 42110 - Planted Red Pine                  | Sawtimber Well   | 56.6  | 70        | 111-140  | <p>OPIC - FMD: REMOVE JACK PINE AND RED PINE DOUBLES, done, 2000, sale 3-99. The northern part of the stand is heavy to an A3 understory, this was not thinned previously. Consider for incorporation into larger barrens restoration area in ten years.</p> <p>A variance has been granted to burn comp 12, stands 164, 64, 168, 77, 177, and 78 in the Sage Lake area to remove woody encroachment in openings and stimulate native grasses. There are two pre-existing burn areas connected by a red pine planting with maple understory and rather than split the two burn areas, crew will burn under the red pine as well.</p> |
| 70    | 4123 - Red Oak                            | Sawtimber Well   | 57.9  | 87        | 111-140  | OPIC - FMD: THE WEST END IMPORTANT FOR WILDLIFE TRAVEL (Wildlife comment 1997). Some steep slopes. Red maple understory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 72    | 4123 - Red Oak                            | Sawtimber Medium | 63.6  | 82        | 51-80    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 73    | 4121 - Oak, Aspen                         | Poletimber Well  | 3.9   | 87        | 81-110   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 74    | 4130 - Aspen                              | Sapling Well     | 13.1  | 25        | 201+     | OPIC - FMD: OI Stand Year Origin was 1992                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 75    | 4130 - Aspen                              | Sapling Well     | 71.7  | 25        | 201+     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 76    | 4130 - Aspen                              | Sapling Well     | 57.3  | 3         | Immature | Sale 54-008-09-01, cut 2014.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 78    | 4130 - Aspen                              | Sawtimber Well   | 11.2  | 92        | 141-170  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 79    | 4123 - Red Oak                            | Sawtimber Poor   | 53.9  | 92        | 1-50     | Cut the stand in comp. 6 along with this stand due to slopes, access is from the west through gas pad. Sale cut in 2009 #54-047-09-01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 80    | 4130 - Aspen                              | Sapling Well     | 37.7  | 26        | 201+     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 81    | 4122 - Oak, Pine                          | Sawtimber Poor   | 28.7  | 92        | 1-50     | Areas of small aspen and shrub. Thick understory along north south rd. Some areas thick with oak.(old comment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



|    | Level 4<br>Cover Type                   | Size<br>Density   | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:                                                                                                                                                                                                                                                                                                                                               |
|----|-----------------------------------------|-------------------|-------|--------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 82 | 4130 - Aspen                            | Sapling Well      | 23.1  | 8            | Immature    | OPIIC - FMD: Leave some oak and pine along snowmobile trail for visual. Any type of mixed regeneration is acceptable. Sale cut in 2009 #54-047-09-01                                                                                                                                                                                                               |
| 83 | 4310 - Pine, Oak Mix                    | Sawtimber Poor    | 12.1  | 75           | 1-50        | Aspen removed in past. Sale cut in 2009 54-047-09-01                                                                                                                                                                                                                                                                                                               |
| 84 | 4123 - Red Oak                          | Sawtimber Medium  | 19.7  | 88           | 51-80       | cut in 2013                                                                                                                                                                                                                                                                                                                                                        |
| 86 | 4123 - Red Oak                          | Sawtimber Poor    | 16.4  | 88           | 1-50        | Sale cut in 2012 54-047-09-01                                                                                                                                                                                                                                                                                                                                      |
| 87 | 6127 - Lowland Pine                     | Sawtimber Poor    | 2.6   | 85           | 51-80       | OPIIC - FMD: ORV trail splits stand, the trail is on higher ground. Some white pine.                                                                                                                                                                                                                                                                               |
| 88 | 6129 - Mixed Coniferous Lowland Forest  | Poletimber Well   | 20.8  | 92           | 81-110      |                                                                                                                                                                                                                                                                                                                                                                    |
| 89 | 6112 - Lowland Aspen                    | Sawtimber Medium  | 21.9  | 42           | 51-80       |                                                                                                                                                                                                                                                                                                                                                                    |
| 90 | 4131 - Aspen, Oak                       | Sapling Well      | 21.8  | 4            | Immature    | OPIIC - FMD: Retention along west edge of stand, follow BMP's. Fisheries requested 150 ft no cut zone along Sage Lake. Winter harvest, due to soil conditions and understory (oak and some white pine). Any type of regeneration is satisfactory. East side drier soils. 2015: Was stand 11/211. Cut 2013. Small pool of standing water in the center of the stand |
| 91 | 4133 - Aspen, Mixed Pine                | Poletimber Poor   | 11.1  | 40           | 81-110      | OI Stand Year Origin was 1977                                                                                                                                                                                                                                                                                                                                      |
| 92 | 4112 - Maple, Beech, Cherry Association | Poletimber Medium | 21.6  | 73           | 1-50        |                                                                                                                                                                                                                                                                                                                                                                    |
| 93 | 4319 - Mixed Upland Forest              | Sawtimber Well    | 3.5   | 92           | 81-110      | transition to Lowland                                                                                                                                                                                                                                                                                                                                              |
| 94 | 4139 - Aspen, Mixed Deciduous           | Poletimber Poor   | 22.6  | 45           | 51-80       |                                                                                                                                                                                                                                                                                                                                                                    |
| 96 | 4112 - Maple, Beech, Cherry Association | Sawtimber Medium  | 18.0  | 92           | 51-80       |                                                                                                                                                                                                                                                                                                                                                                    |
| 97 | 4130 - Aspen                            | Poletimber Well   | 32.8  | 45           | 111-140     |                                                                                                                                                                                                                                                                                                                                                                    |
| 98 | 4131 - Aspen, Oak                       | Sawtimber Well    | 25.4  | 45           | 81-110      |                                                                                                                                                                                                                                                                                                                                                                    |
| 99 | 4134 - Aspen, Spruce/Fir                | Poletimber Well   | 8.0   | 28           | 111-140     |                                                                                                                                                                                                                                                                                                                                                                    |



|     | Level 4<br>Cover Type                        | Size<br>Density     | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:                                                                                                                                                                                                                                                                                                                                                                               |
|-----|----------------------------------------------|---------------------|-------|--------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 101 | 4131 - Aspen, Oak                            | Sawtimber<br>Well   | 42.7  | 88           | 111-140     | OPIC - FMD: STEEP SLOPES-OAK-THORNAPPLE<br>DOGWOOD Some conifer in understory--stand 252 created to<br>act as buffer between upland and lowland--buffer is at least 2<br>chains wide                                                                                                                                                                                                               |
| 103 | 4131 - Aspen, Oak                            | Sawtimber<br>Well   | 8.5   | 48           | 111-140     | OPIC - FMD: Land exchange along the west edge, due to a<br>trespass. Stand has several vernal ponds. Conifer component.<br>Leave oak and pine, thin oak where required. Snowmobile and<br>ORV trails. Several different age groups in the stand. Follow<br>BMP's around ponds. SEE LOCKED COMMENTS FOR<br>ADDITIONAL REQUIREMENTS.                                                                 |
| 104 | 4123 - Red Oak                               | Sawtimber<br>Medium | 7.7   | 102          | 1-50        | Removed aspen 2000, sale 18-99                                                                                                                                                                                                                                                                                                                                                                     |
| 106 | 42260 - Natural Pine,<br>Mixed Deciduous     | Sawtimber<br>Well   | 31.3  | 96           | 141-170     | OPIC - FMD: Steep slopes to north                                                                                                                                                                                                                                                                                                                                                                  |
| 107 | 4119 - Mixed Northern<br>Hardwoods           | Sawtimber<br>Well   | 23.4  | 92           | 141-170     |                                                                                                                                                                                                                                                                                                                                                                                                    |
| 109 | 4133 - Aspen, Mixed<br>Pine                  | Sawtimber<br>Well   | 14.4  | 48           | 81-110      | Retention from sale 54-008-09-01. includes vernal pools.                                                                                                                                                                                                                                                                                                                                           |
| 114 | 6120 - Lowland Cedar                         | Poletimber<br>Well  | 5.5   | 96           | 111-140     |                                                                                                                                                                                                                                                                                                                                                                                                    |
| 119 | 4199 - Other Mixed<br>Upland Deciduous       | Sapling Well        | 24.7  | 3            | Immature    | OPIC - FMD: FIVE SPOT*THORNAPPLE&JUNEBERRY. 9<br>patches totaling 16 acres cut 2000. Regeneration is good.<br>Continue oak spots but remove half of what is remaining, 4 acres<br>each, silviculture is working here and attracting a variety of<br>songbirds. Do not treat where steep slopes are present. Any<br>regeneration is acceptable. Sale cut in 2012. #54-006-09-02<br>Final Correction |
| 120 | 4123 - Red Oak                               | Sawtimber<br>Medium | 3.5   | 96           | 51-80       |                                                                                                                                                                                                                                                                                                                                                                                                    |
| 124 | 6129 - Mixed<br>Coniferous Lowland<br>Forest | Poletimber<br>Well  | 11.9  | 97           | 81-110      |                                                                                                                                                                                                                                                                                                                                                                                                    |
| 128 | 4199 - Other Mixed<br>Upland Deciduous       | Sapling Poor        | 1.1   | 15           | 1-50        |                                                                                                                                                                                                                                                                                                                                                                                                    |
| 129 | 6131 - Hemlock, White<br>Pine, Maple, Birch  | Poletimber<br>Well  | 1.6   | 51           | 81-110      |                                                                                                                                                                                                                                                                                                                                                                                                    |
| 131 | 4130 - Aspen                                 | Sapling Well        | 7.4   | 17           | Immature    |                                                                                                                                                                                                                                                                                                                                                                                                    |
| 132 | 4130 - Aspen                                 | Sapling Well        | 9.6   | 17           | Immature    | OPIC - FMD: Cut 2000, sale 2-99. Left oak                                                                                                                                                                                                                                                                                                                                                          |
| 137 | 4130 - Aspen                                 | Poletimber<br>Poor  | 3.8   | 42           | 1-50        |                                                                                                                                                                                                                                                                                                                                                                                                    |



|     | Level 4<br>Cover Type                  | Size<br>Density      | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:                                                                                                                                                                                                                                                                                                                                                             |
|-----|----------------------------------------|----------------------|-------|--------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 138 | 42290 - Natural Mixed<br>Pine          | Sawtimber<br>Medium  | 4.3   | 67           | 81-110      |                                                                                                                                                                                                                                                                                                                                                                                  |
| 139 | 4139 - Aspen, Mixed<br>Deciduous       | Poletimber<br>Poor   | 11.2  | 20           | 1-50        | , was part of 136.                                                                                                                                                                                                                                                                                                                                                               |
| 144 | 4124 - Red with White<br>Oak           | Sawtimber<br>Medium  | 43.5  | 106          | 51-80       |                                                                                                                                                                                                                                                                                                                                                                                  |
| 145 | 4130 - Aspen                           | Sapling<br>Medium    | 2.4   | 23           | Immature    |                                                                                                                                                                                                                                                                                                                                                                                  |
| 147 | 4136 - Aspen, Mixed<br>Conifer         | Poletimber<br>Medium | 7.0   | 44           | 81-110      |                                                                                                                                                                                                                                                                                                                                                                                  |
| 149 | 4139 - Aspen, Mixed<br>Deciduous       | Sapling Well         | 10.2  | 17           | 51-80       | OPIC - FMD: FIVE SPOT*THORNAPPLE&JUNEBERRY. 9 patches totaling 16 acres cut 2000. Regeneration is good. Continue oak spots but remove half of what is remaining, 4 acres each, silviculture is working here and attracting a variety of songbirds. Do not treat where steep slopes are present. Any regeneration is acceptable. Sale cut in 2012. #54-006-09-02 Final Correction |
| 151 | 4133 - Aspen, Mixed<br>Pine            | Poletimber<br>Well   | 2.7   | 57           | 51-80       | OPIC - FMD: Narrow strip, between trail road and stand 53. Slopes down to the east.                                                                                                                                                                                                                                                                                              |
| 153 | 4123 - Red Oak                         | Sawtimber<br>Poor    | 7.0   | 98           | 1-50        |                                                                                                                                                                                                                                                                                                                                                                                  |
| 154 | 4130 - Aspen                           | Poletimber<br>Poor   | 12.9  | 30           | 1-50        | OPIC - FMD: TRAIL INTERSECTION. Scattered oak, filling in with oak and cherry. Some trash duming. South-east corner is a G used as a bear camp. Possible old homestead.                                                                                                                                                                                                          |
| 163 | 42200 - Natural White<br>Pine          | Sawtimber<br>Well    | 1.0   | 150          | 111-140     | Island                                                                                                                                                                                                                                                                                                                                                                           |
| 172 | 4130 - Aspen                           | Sapling Poor         | 2.2   | 25           | 1-50        |                                                                                                                                                                                                                                                                                                                                                                                  |
| 173 | 4199 - Other Mixed<br>Upland Deciduous | Sapling<br>Medium    | 4.6   | 17           | Immature    | OPIC - FMD: OI Stand Year Origin was 1919                                                                                                                                                                                                                                                                                                                                        |
| 188 | 6120 - Lowland Cedar                   | Poletimber<br>Well   | 15.9  | 102          | 111-140     | Part of Sage ERA stream running through Stand                                                                                                                                                                                                                                                                                                                                    |
| 191 | 42210 - Natural Red<br>Pine            | Sawtimber<br>Well    | 1.2   | 88           | 111-140     |                                                                                                                                                                                                                                                                                                                                                                                  |
| 197 | 6127 - Lowland Pine                    | Poletimber<br>Poor   | 1.5   | 37           | 1-50        | OPIC - FMD: In stand 97. Slope issues. Surrounded by conifer.                                                                                                                                                                                                                                                                                                                    |
| 199 | 42200 - Natural White<br>Pine          | Sawtimber<br>Well    | 1.5   | 97           | 111-140     |                                                                                                                                                                                                                                                                                                                                                                                  |



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Atlanta Mgt. Unit

## Report 7 – Forested Stands

Compartment: 12  
Year of Entry: 2019

|            | Level 4<br>Cover Type                         | Size<br>Density    | Acres | Stand<br>Age | BA<br>Range | General<br>Comments:                                                                                                                                         |
|------------|-----------------------------------------------|--------------------|-------|--------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>206</b> | 4310 - Pine, Oak Mix                          | Sawtimber<br>Well  | 13.0  | 98           | 81-110      | OPIC - FMD: Natural stand of oak and pine (red and white).<br>More oak to the north. Stand slopes away from gas pad.                                         |
| <b>226</b> | 4191 - Mixed Upland<br>Deciduous with Conifer | Sapling Poor       | 2.3   | 13           | Immature    | OPIC - FMD: Aspen, cherry and white pine, getting harder to<br>locate, filling in. Between stands 72 and 101. SCA, adjacent to<br>Sage Lake cedar swamp, ERA |
| <b>228</b> | 4126 - White, Black, N.<br>Pin Oak            | Sawtimber<br>Well  | 7.1   | 102          | 81-110      |                                                                                                                                                              |
| <b>252</b> | 4131 - Aspen, Oak                             | Poletimber<br>Well | 9.9   | 40           | 51-80       | OPIC - FMD: Created as a buffer from stand 52--permanent<br>noncut area. See MNFI data.                                                                      |
| <b>255</b> | 4139 - Aspen, Mixed<br>Deciduous              | Sawtimber<br>Well  | 5.1   | 91           | 81-110      | created as at least 2 chain buffer south side of 55 for scA                                                                                                  |
| <b>418</b> | 4199 - Other Mixed<br>Upland Deciduous        | Sawtimber<br>Well  | 2.1   | 87           | 81-110      |                                                                                                                                                              |



| Stand | Cover Type                     | Acres | Managed Site | General Comments:                                                                           |
|-------|--------------------------------|-------|--------------|---------------------------------------------------------------------------------------------|
| 4     | 623 - Emergent Wetland         | 35.8  | No           |                                                                                             |
| 13    | 500 - Water                    | 84.6  | No           | Sage Lake SCA, adjacent to Sage Lake cedar swamp ERA                                        |
| 22    | 31022 - Warm Season Grass      | 2.0   | Yes          |                                                                                             |
| 25    | 623 - Emergent Wetland         | 1.5   | No           | OPIC - FMD: Water level has dropped considerably. Part of Sage Lake when water level is up. |
| 46    | 623 - Emergent Wetland         | 3.2   | No           | OPIC - FMD: OI Stand Year Origin was                                                        |
| 50    | 6239 - Mixed Emergent Wetland  | 5.0   | No           |                                                                                             |
| 51    | 6224 - Treed Bog               | 2.7   | No           | OPIC - FMD: Some beaver damage along east edge.                                             |
| 63    | 3303 - Mixed Low Density Trees | 2.5   | Yes          |                                                                                             |
| 77    | 330 - Low-Density Trees        | 37.3  | Yes          |                                                                                             |
| 95    | 6229 - Mixed lowland shrub     | 1.9   | No           |                                                                                             |
| 112   | 330 - Low-Density Trees        | 7.0   | No           | OPIC - FMD: OI Stand Year Origin was 1919                                                   |
| 115   | 110 - Low Intensity Urban      | 1.0   | No           | OPIC - FMD: North of 612.                                                                   |
| 116   | 3104 - Degraded                | 0.9   | No           | Gas well                                                                                    |
| 125   | 623 - Emergent Wetland         | 10.1  | No           | OPIC - FMD: Flooded, water level varies.                                                    |
| 130   | 3205 - Mixed Upland Shrub      | 1.3   | No           |                                                                                             |
| 133   | 622 - Lowland Shrub            | 0.6   | No           | OPIC - FMD: OI Stand Year Origin was                                                        |
| 134   | 3104 - Degraded                | 3.1   | No           | Compression facility and GAS WELL IN STAND                                                  |
| 142   | 3205 - Mixed Upland Shrub      | 5.9   | No           | OPIC - FMD: Filling in with aspen and cherry.                                               |



| Stand | Cover Type                    | Acres | Managed Site | General Comments:                                                                                   |
|-------|-------------------------------|-------|--------------|-----------------------------------------------------------------------------------------------------|
| 146   | 6239 - Mixed Emergent Wetland | 0.7   | No           | OPIC - FMD: OI Stand Year Origin was                                                                |
| 148   | 6229 - Mixed lowland shrub    | 0.5   | No           | OPIC - FMD: OI Stand Year Origin was                                                                |
| 150   | 6239 - Mixed Emergent Wetland | 0.7   | No           | OPIC - FMD: Water in the south end, steep slopes adjacent to stand. In stand 101.                   |
| 155   | 6224 - Treed Bog              | 0.9   | No           | OPIC - FMD: Flooded by beaver, still has some water flowing through. Dead cedar. South side of 612. |
| 161   | 6220 - Alder/willow           | 1.8   | No           |                                                                                                     |
| 164   | 330 - Low-Density Trees       | 30.1  | Yes          |                                                                                                     |
| 166   | 122 - Road/Parking Lot        | 0.7   | No           | Public landing access to sage lake                                                                  |
| 175   | 330 - Low-Density Trees       | 13.0  | No           | Filling in with aspen from stand 75, some cherry. Snowmobile trail. Almost 25% cover                |
| 176   | 330 - Low-Density Trees       | 1.8   | No           | OLD GRAVEL PIT USED BY ORVS.                                                                        |
| 178   | 3104 - Degraded               | 3.4   | No           | GRAVEL PIT USED Montmorency County, as recent as 2005.                                              |
| 179   | 3205 - Mixed Upland Shrub     | 2.1   | No           |                                                                                                     |
| 192   | 623 - Emergent Wetland        | 1.4   | No           | OPIC - FMD: At the end of trail through stand 93.                                                   |
| 194   | 330 - Low-Density Trees       | 3.0   | No           |                                                                                                     |
| 200   | 122 - Road/Parking Lot        | 21.9  | No           | ROADS                                                                                               |
| 401   | 3104 - Degraded               | 0.8   | No           | GAS WELL, access is gated.                                                                          |
| 409   | 110 - Low Intensity Urban     | 5.2   | No           | POWER LINE                                                                                          |
| 411   | 3104 - Degraded               | 0.8   | Yes          | GAS WELL                                                                                            |
| 426   | 3104 - Degraded               | 1.0   | No           | GAS WELL                                                                                            |



| Stand | Cover Type                | Acres | Managed Site | General Comments:                                                                     |
|-------|---------------------------|-------|--------------|---------------------------------------------------------------------------------------|
| 429   | 3104 - Degraded           | 2.3   | Yes          | GAS WELL                                                                              |
| 431   | 3102 - Grass              | 8.8   | Yes          |                                                                                       |
| 435   | 3102 - Grass              | 4.6   | Yes          | Grass and sweet fern, aspen and cherry saplings.                                      |
| 437   | 3104 - Degraded           | 1.2   | No           | GAS WELL.                                                                             |
| 438   | 3104 - Degraded           | 1.5   | No           | GAS WELL                                                                              |
| 439   | 3102 - Grass              | 5.3   | Yes          |                                                                                       |
| 440   | 3102 - Grass              | 5.5   | Yes          | GAS WELL IN STAND                                                                     |
| 441   | 3102 - Grass              | 0.7   | No           | Small kettle                                                                          |
| 443   | 3102 - Grass              | 1.0   | Yes          |                                                                                       |
| 445   | 3104 - Degraded           | 1.1   | No           | OPIC - FMD: GAS WELL in southern part of stand 44 along Fish lab Rd. St. Albert c1-26 |
| 447   | 3102 - Grass              | 5.0   | Yes          |                                                                                       |
| 448   | 3102 - Grass              | 1.8   | Yes          | GAS WELL IN STAND                                                                     |
| 453   | 3104 - Degraded           | 2.9   | No           | Gas well                                                                              |
| 454   | 3104 - Degraded           | 1.2   | No           | GAS WELL, .                                                                           |
| 460   | 3104 - Degraded           | 2.1   | No           | GAS WELL                                                                              |
| 465   | 3104 - Degraded           | 1.4   | No           | GAS WELL                                                                              |
| 468   | 3104 - Degraded           | 1.0   | No           | GAS WELL                                                                              |
| 472   | 110 - Low Intensity Urban | 5.4   | No           | Grass stand along 612, contains gas pipe line and other utilities.                    |



| Stand | Cover Type                | Acres | Managed Site | General Comments:                                                                  |
|-------|---------------------------|-------|--------------|------------------------------------------------------------------------------------|
| 473   | 3104 - Degraded           | 1.1   | No           | GAS WELL                                                                           |
| 474   | 110 - Low Intensity Urban | 4.1   | No           | OPIC - FMD: SITE OF CAMP LUNDEN CCC CAMP, maintained by Lewistn Historical Society |
| 475   | 3104 - Degraded           | 1.3   | No           | GAS WELL                                                                           |
| 476   | 3104 - Degraded           | 0.7   | No           | GAS WELL                                                                           |
| 479   | 3104 - Degraded           | 1.1   | No           | GAS WELL, installed 2006/2007                                                      |
| 480   | 3104 - Degraded           | 0.8   | No           | GAS WELL                                                                           |
| 481   | 3102 - Grass              | 2.3   | Yes          |                                                                                    |
| 482   | 3104 - Degraded           | 1.0   | No           | GAS WELL                                                                           |
| 492   | 3104 - Degraded           | 0.9   | No           | GAS WELL                                                                           |
| 495   | 3104 - Degraded           | 1.0   | No           | GAS WELL                                                                           |
| 497   | 3104 - Degraded           | 0.9   | No           | GAS WELL                                                                           |
| 498   | 3102 - Grass              | 2.5   | Yes          |                                                                                    |
| 499   | 3102 - Grass              | 0.8   | Yes          | filling in with scotch pine                                                        |