



# Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54051

Entry Year 2017

Acreage: 2,035

County Montmorency

Management Area: Thunder Bay Outwash

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**Revision Date:** 2015-06-18

**Stand Examiner:** Darrick Coy

**Legal Description:**

T31N, R03E, Sec. 04, 05, 08, 09, & 16

**Identified Planning Goals:**

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

**Soil and topography:**

The northern third is mostly flat, Grayling sand. This is primarily PARVHa plus some PVCd. The southern two thirds tend toward Graycalm and Rubicon soils, ranging from PARVHa to PARVVb. The PARVVb occurs mostly in hilly oak stands.

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

Rush Lake subdivision to the north and Twin Dams Suidivision in the east central part of the compartment both impact state land. There are also scattered retirement homes and hunting properties. Most of the surrounding land is other state land.

**Unique Natural Features:**

Common Loon

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

Reported site(s) exist. Contact the State Historical Preservation Office (SHPO) for more specific information.

**Special Management Designations or Considerations:**

Portions of state forestland located within section 16 were previously designated as Special Conservation Areas (SCAs) for potential old growth. All previously designated SCA old growth stands that were non-forest or forested have been undesignated. The SCA designated area did not meet old growth type I or II criteria or contain characteristics of an old growth forest. Management activities within all SCA stands are restricted and must follow Work Instruction 1.4 guidelines.

**Watershed and Fisheries Considerations:**

Brush Creek flows north to Twin Dams, then east to Hillman, where it joins the Thunder Bay River. The north part of the compartment drains into Rush Lake, which is on the North Branch of the Thunder Bay River.

**Wildlife Habitat Considerations:**

The primary focus of wildlife habitat management will be to address the habitat requirements identified for the listed featured species found in this compartment. These species include ruffed grouse, black bear, and white-tailed deer. Based on the selected featured species, some of the most significant wildlife management issues in the management area are the maintenance of young forest, the retention of large, over-mature trees and snags and the maintenance and expansion of hard mast and mesic conifer components.

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

Surface sediments consist of coarse-textured glacial till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Devonian Antrim Shale. The Antrim is quarried for cement products elsewhere in the state. Topographic maps indicate there is a gravel pit in NW¼ SE¼ NE¼, Section 8, but aerial imagery does not support this or the pit is overgrown. Sand and gravel potential is considered good. Much of this compartment has been drilled and is producing gas from the Antrim Shale. Additional Antrim development is possible, but the Antrim play in the northern Lower Peninsula is in decline.

**Vehicle Access:**

Access is abundant and dry with few wet areas. Many RDRs exist within this compartment from illegal ORV activity in lowland and along steep slopes. A lowland crossing bridge exists within SE corner of section 8 and needs to be improved.

**Survey Needs:**

None known, possibly within section 8.

**Recreational Facilities and Opportunities:**

Atlanta ORV Trail, Snomobile Trail Route 494, and public access to Little Brush Lake

**Fire Protection:**

This compartment is located in the protection area of the Atlanta DNR and the Hillman Fire Department located in Hillman. This fire department would most likely be first on scene of any fire in the area due to their close proximity. The Atlanta DNR has a mutual aid agreement with Hillman Fire Department and also supplies them with a GSA 6x6 fire unit. This compartment has a fair amount of Jack Pine and has the potential for substantial fire growth. The Brush Creek subdivision is located adjacent to the compartment. Most historical fires have been caused from debris burning.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

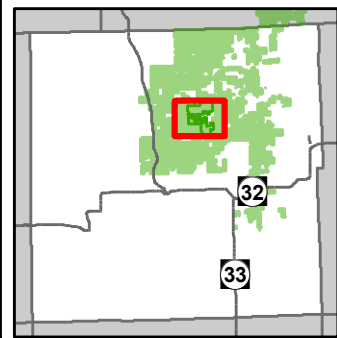
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

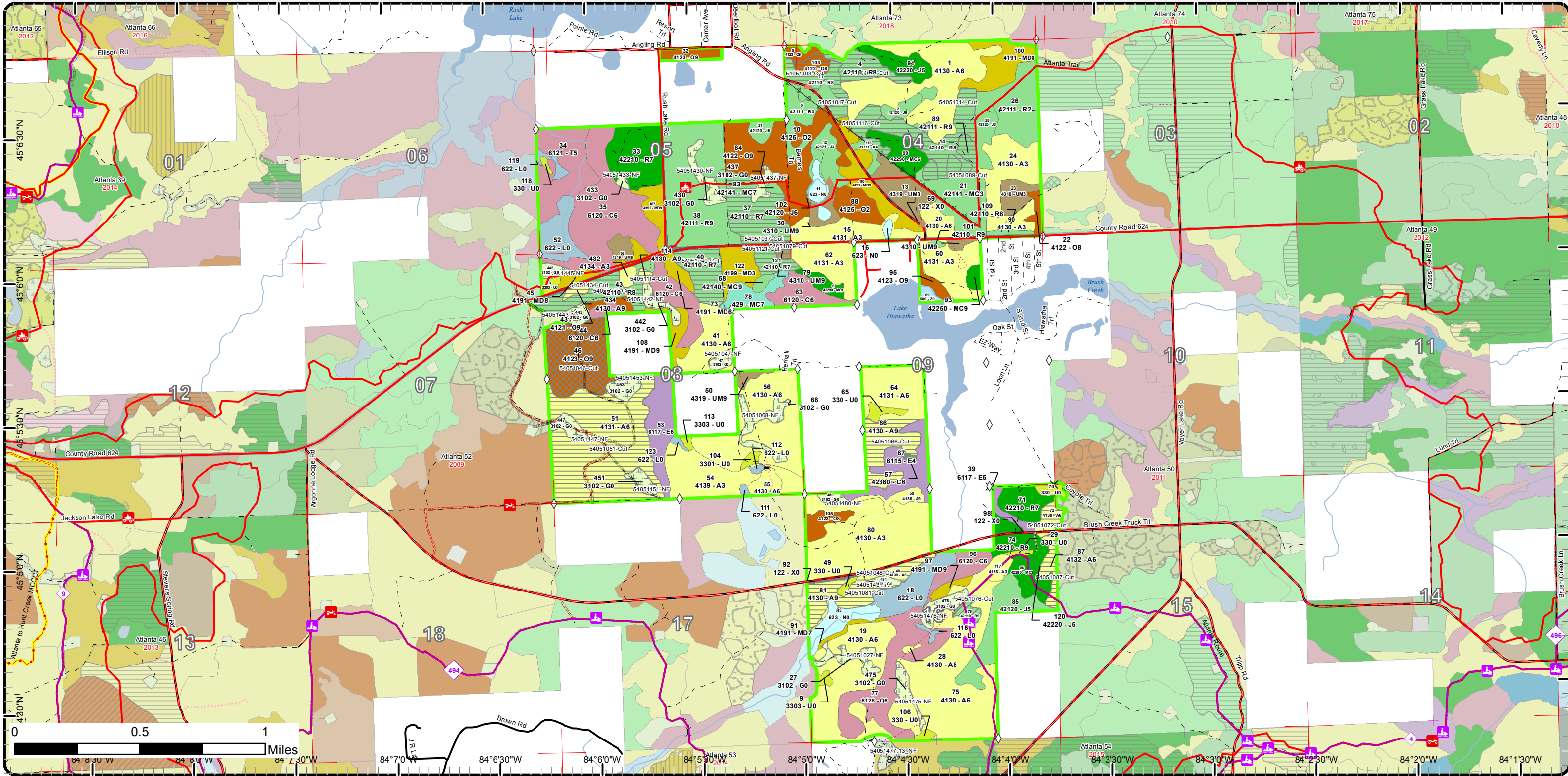
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 51  
 T31N, R03E,  
 Sec: 4, 5, 8, 9, 15, 16  
 County: Montmorency  
 Unit: Atlanta  
 Mgmt Area: Thunder Bay Outwash  
 YOE: 2017  
 Acres: 2035 GIS Calculated  
 Examiner: Darrick Coy  
 Map Revised: 9/21/2015  
 Map Phase: Post Review

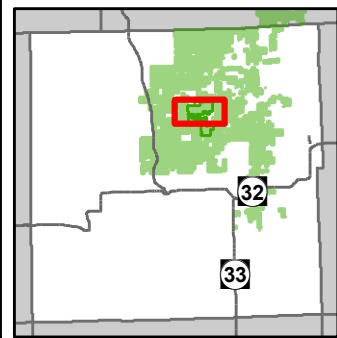


- ✦ Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Miris Corners
- County Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- ✕ Gate
- △ Berms
- ≡ Bridges
- 🚗 ORV Trails
- 🚗 ORV Routes
- 🚗 Snowmobile Trails
- 🚗 ORV License & Trail Permit
- 🚗 Designated ATV Trails
- 🚗 Designated ORV Routes
- 🚗 Designated Snowmobile Trails
- 🚗 Designated MCCCT Trails
- Rivers
- Lakes
- Pipeline
- Powerline
- ⊠ Selection (Group, Single Tree)
- ▭ Clearcut (w/Reserves)
- ▨ Other Treatment - See Comments
- ▨ Thinning (Crown, Low, Systematic)
- ▨ Forest Covertype
- ▨ Non-Forest Covertype
- ▨ 122 - Roads/Parking Lot
- ▨ 310 - Herbaceous Openland
- ▨ 412 - Oak Types
- ▨ 413 - Aspen Types
- ▨ 419 - Mixed Upland Deciduous
- ▨ 421 - Planted Pines
- ▨ 422 - Natural Pines
- ▨ 423 - Other Upland Conifers
- ▨ 429 - Mixed Upland Conifers
- ▨ 430 - Upland Mixed Fores
- ▨ 611 - Lowland Deciduous Forest
- ▨ 612 - Lowland Coniferous Forest
- ▨ 330 - Low Density Trees
- ▨ 500 - Water
- ▨ 622 - Lowland Shrub
- ▨ 623 - Emergent Wetland

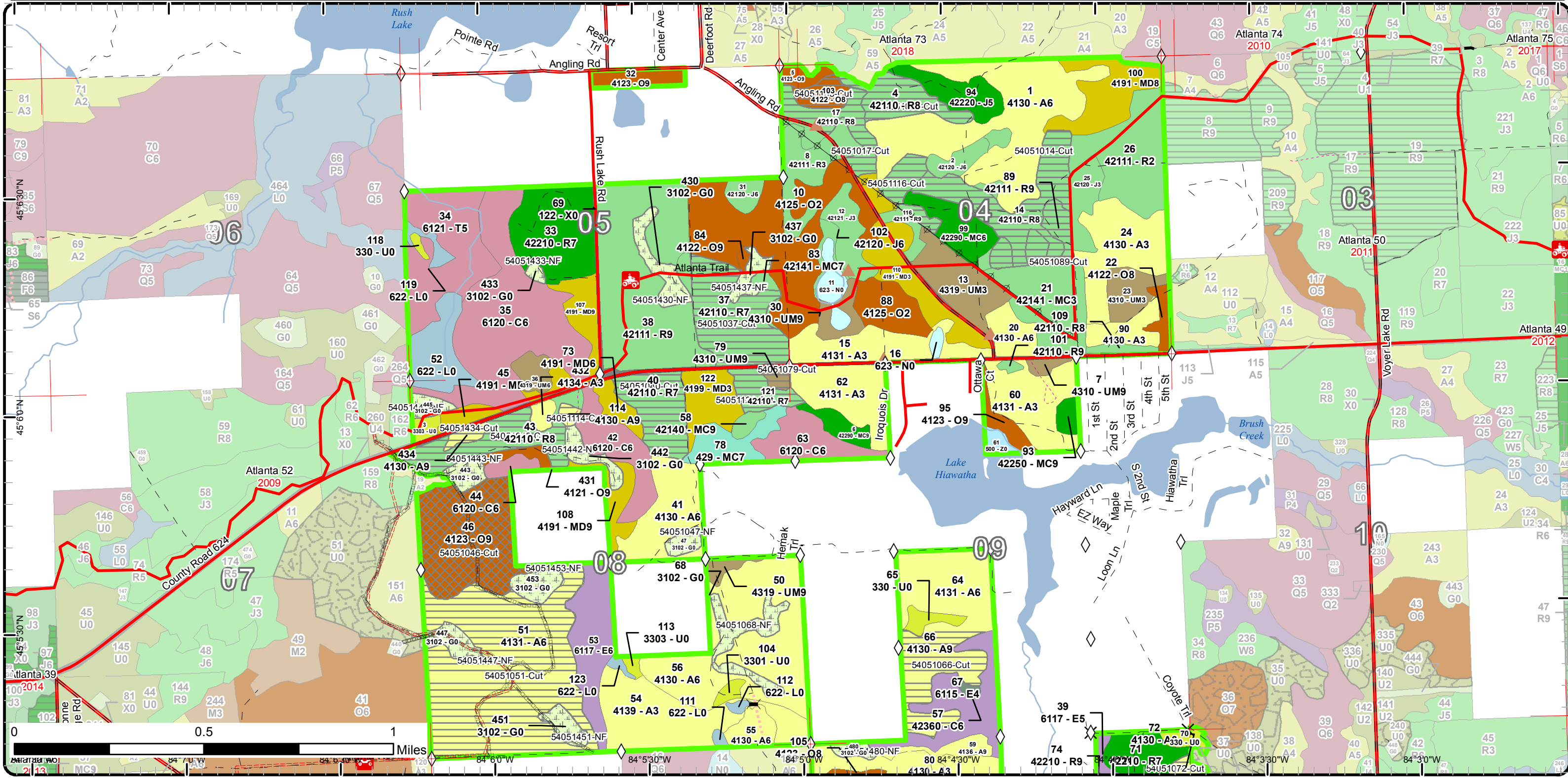


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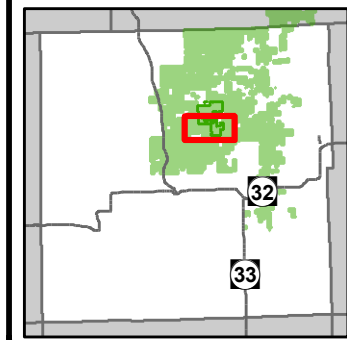


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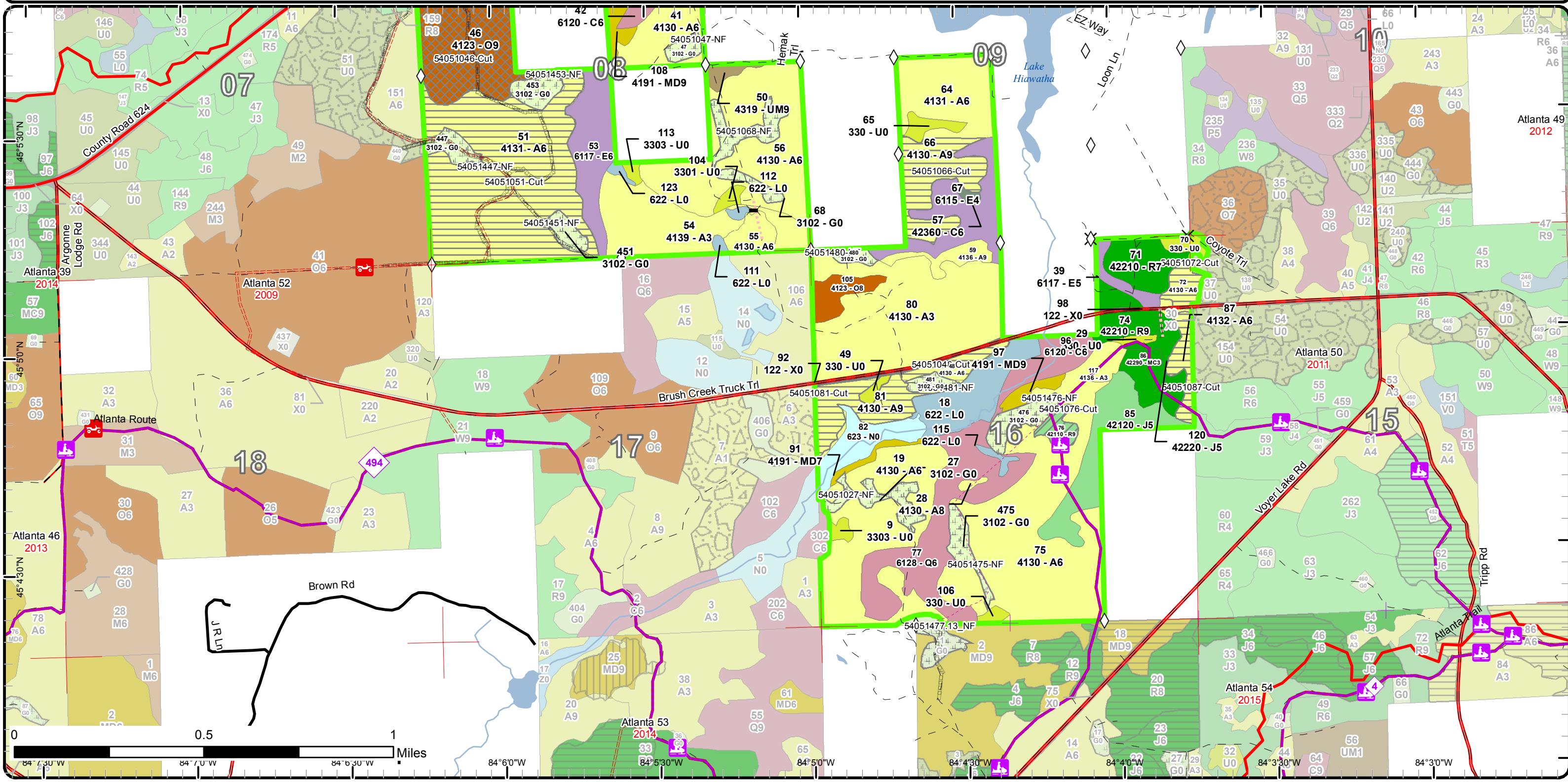


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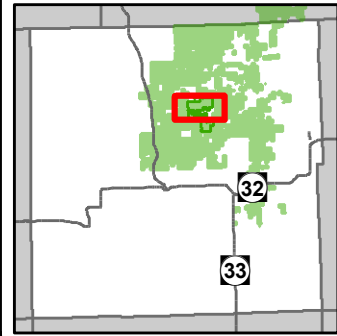
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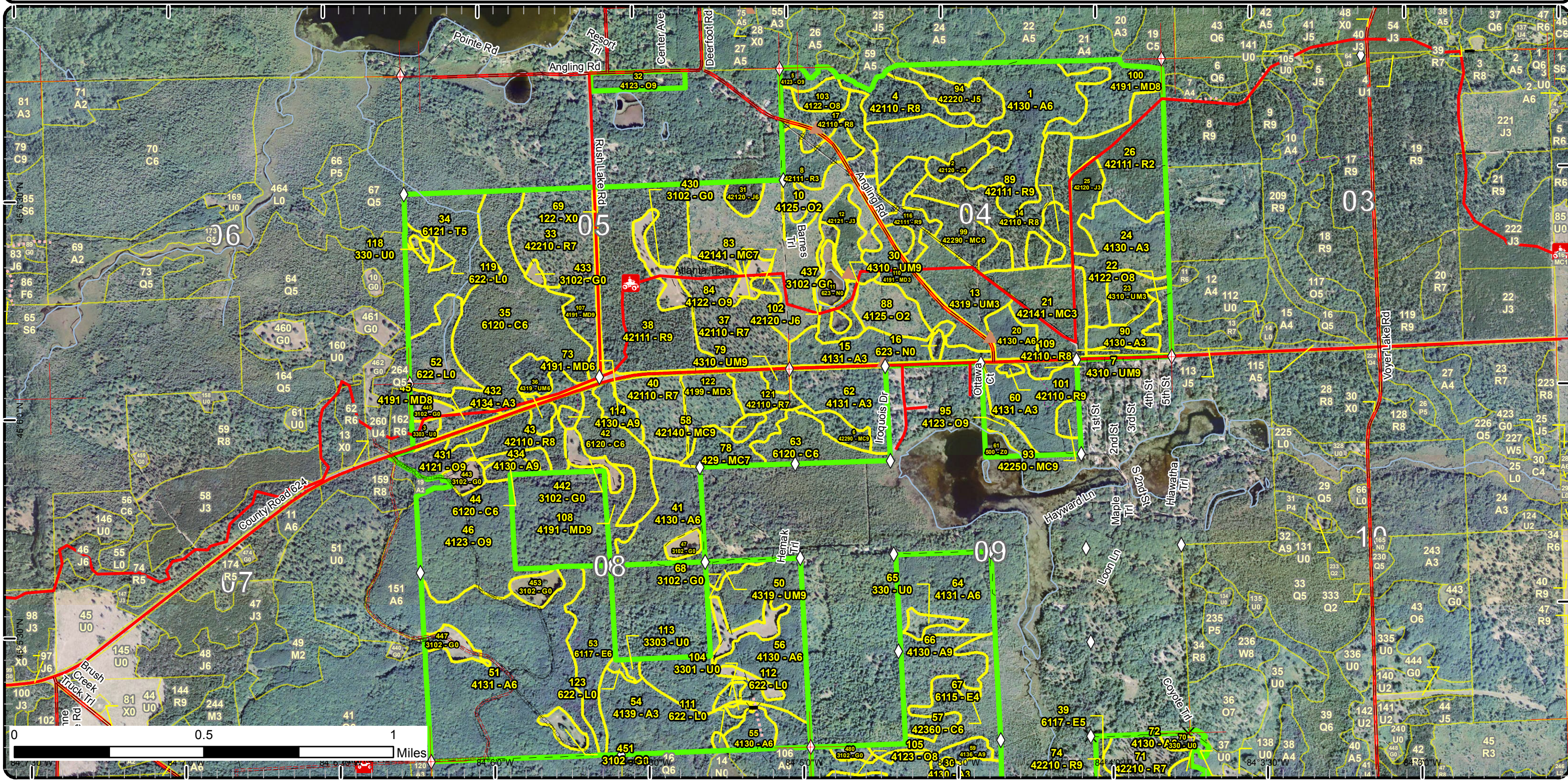


# Stand Boundary Map

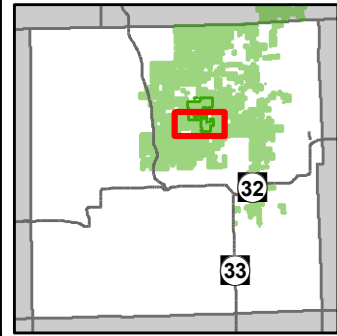


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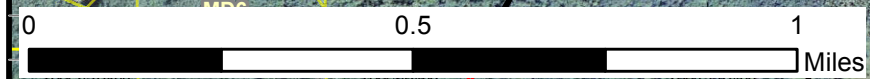
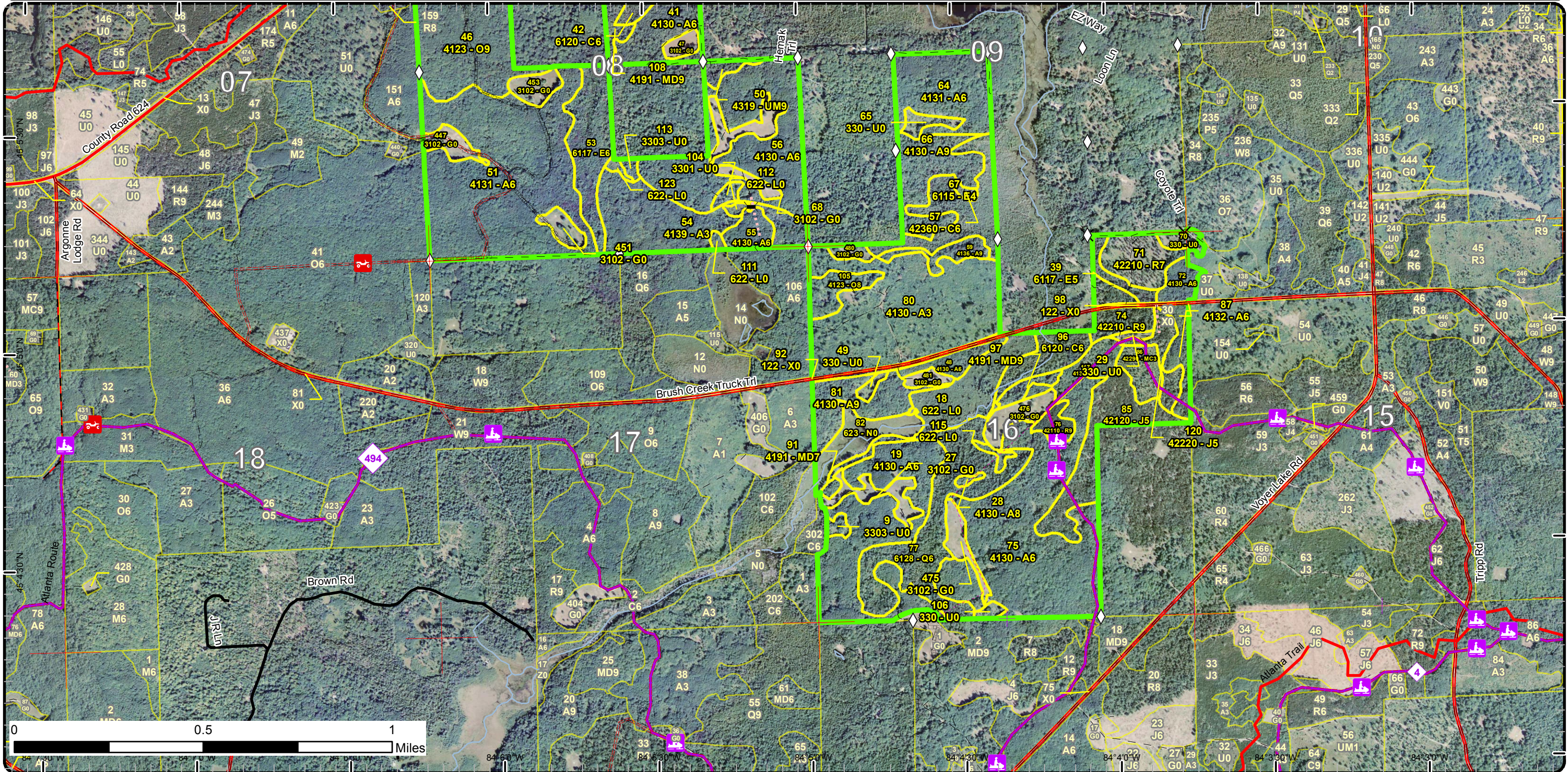


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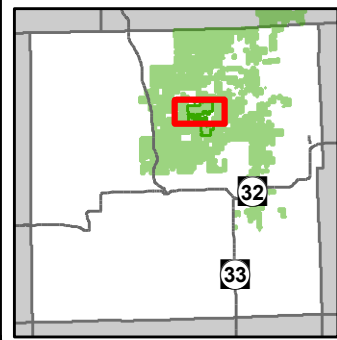
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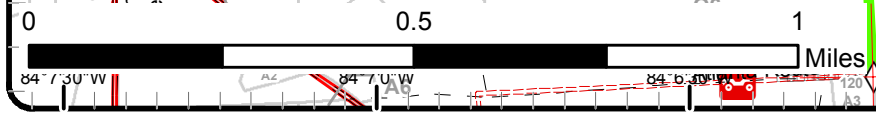
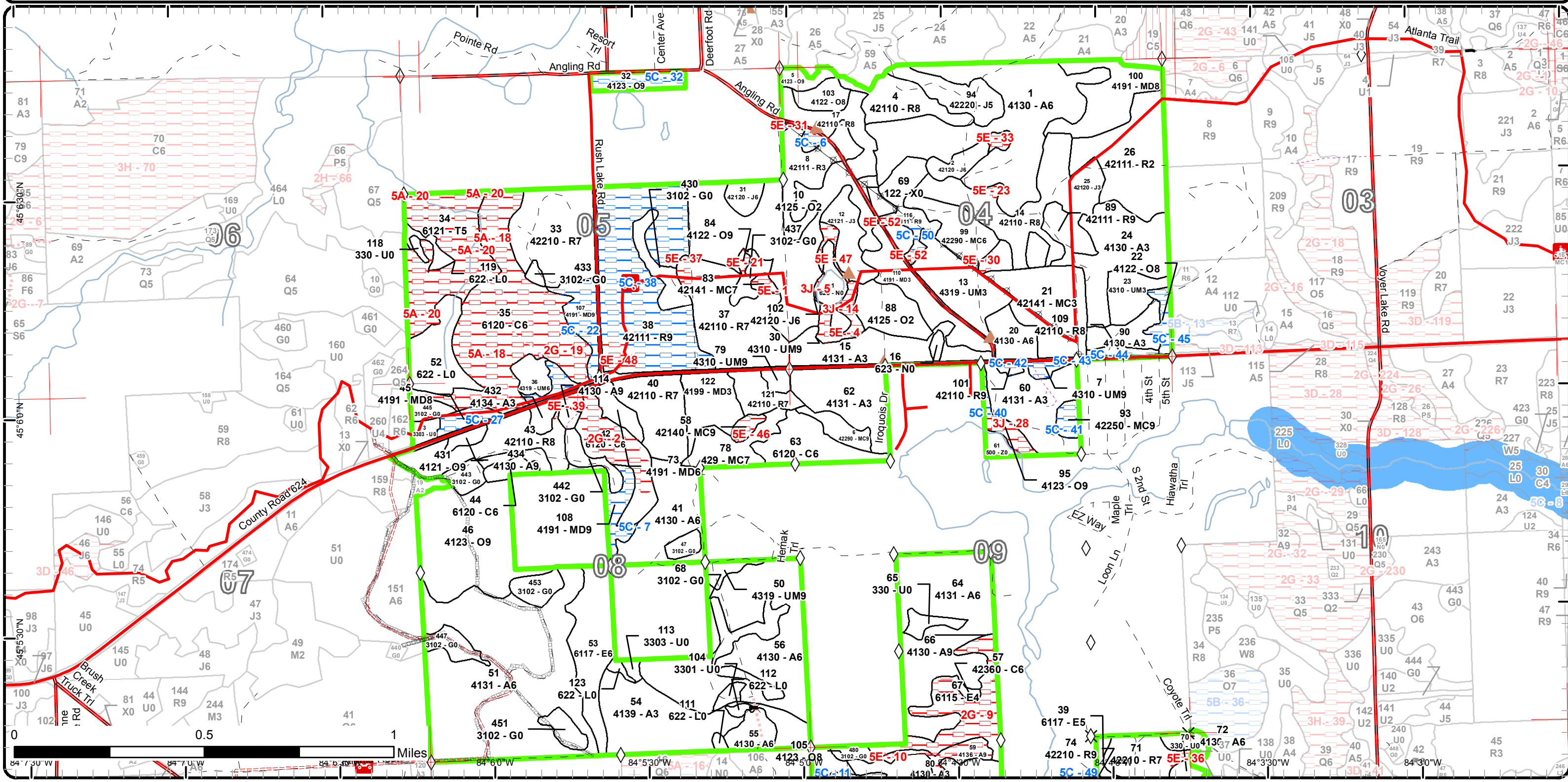


# Special Conservation Areas & Site Conditions Map

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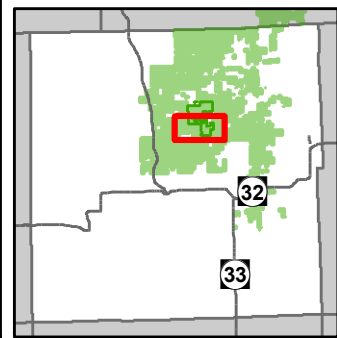
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- Unavailable
- Available Factors W/ Constraints**
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors**
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention Special Conservation Areas
- Cold Water Streams
- High Priority Trout Stream Buffer



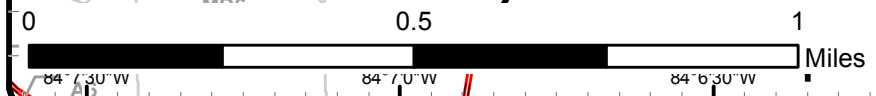
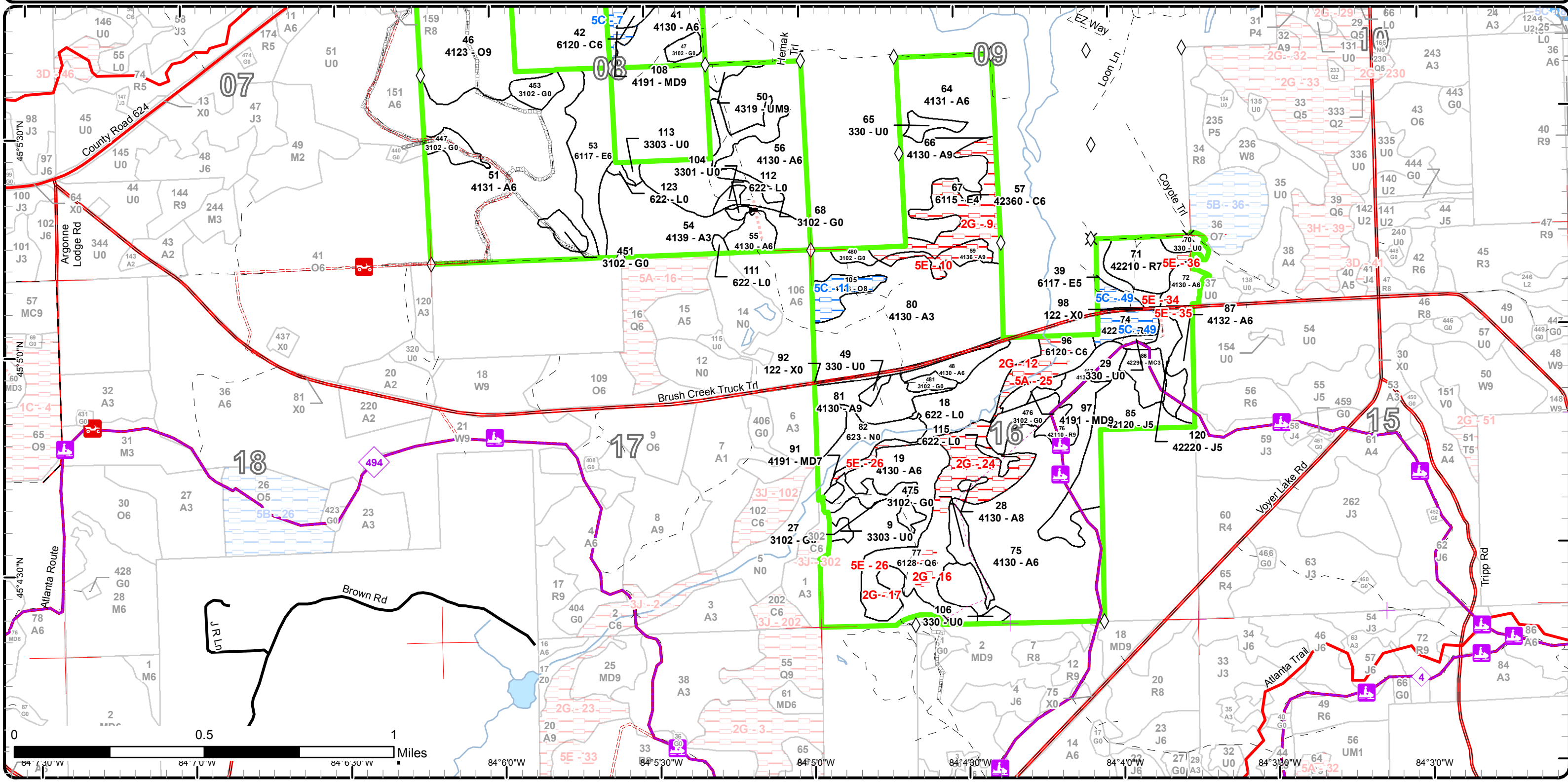


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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	78	63	104	99	359	7	0	0	54	0	0	0	0	0	0	0	0	764
Cedar	0	0	0	0	0	0	0	0	0	0	0	4	14	86	17	0	0	0	121
Herbaceous Openland	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83
Jack Pine	0	0	11	9	18	40	0	3	0	0	0	0	0	0	0	0	0	0	81
Low-Density Trees	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	46
Lowland Deciduous	0	0	0	0	0	29	0	0	0	24	0	0	0	0	0	0	0	0	53
Lowland Shrub	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
Marsh	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Mixed Upland Deciduous	0	14	21	0	6	0	0	0	29	11	14	0	0	0	0	0	0	0	95
Natural Mixed Pines	0	0	8	0	14	0	0	0	0	9	0	0	0	0	0	0	0	0	31
Oak	0	72	0	0	0	0	0	0	7	75	4	0	0	0	0	0	0	0	158
Planted Mixed Pines	0	0	28	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	32
Red Pine	0	0	18	33	0	0	5	0	0	300	0	0	0	0	0	0	0	0	356
Tamarack	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	37
Upland Conifers	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	13
Upland Mixed Forest	0	0	30	0	6	0	0	0	0	14	0	0	0	0	0	0	0	0	50
Urban	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>201</b>	<b>164</b>	<b>179</b>	<b>146</b>	<b>143</b>	<b>430</b>	<b>12</b>	<b>3</b>	<b>36</b>	<b>539</b>	<b>18</b>	<b>4</b>	<b>14</b>	<b>86</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>46</b>	<b>2038</b>



## Report 2 – Treatment Summary

Atlanta Mgt. Unit  
Year of Entry: 2017

Acres of Harvest

Compartment 51  
Total Compartment Acres: 2,035

Commercial Harvest - 385  
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	169	0	0	0	0	0	0	0	0	169
Oak	6	45	0	0	0	0	0	0	0	51
Red Pine	158	0	0	0	5	0	0	0	0	162
Upland Mixed Forest	3	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>336</b>	<b>45</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>385</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	385	0	0	0	0	0	0	88	0	473
Next Step	0	367	169	0	45	169	549	45	22	1365
<b>Total</b>	<b>385</b>	<b>367</b>	<b>169</b>	<b>0</b>	<b>45</b>	<b>169</b>	<b>549</b>	<b>45</b>	<b>110</b>	<b>1838</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
4	54051004-Cut	14.4	42110 - Planted Red Pine	Sawtimber Medium	84	51-80	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**Prescription -clearcut

Specs:  
 -leave retention pocket(s) (already excluded- see site conditions layer)  
 -use 2" cutting spec  
 -require chipping of tops

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

Acceptable -well stocked rp with wp, oak, rm, and aspen associates  
Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2014

14	54051014-Cut	29.0	42110 - Planted Red Pine	Sawtimber Medium	80	1-50	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**Prescription Suggested Management Follow-up:

Specs:  
 -Do not initiate cleaning and weeding or further monitoring follow-ups and change cover type objective to artificial rp.  
 -clearcut  
 -use 2" cutting spec  
 -leave retention pocket(s) 3-10% (already excluded- see site conditions layer)  
 -require chipping of tops  
 -protect ORV trail in sale specs

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

Acceptable -well stocked rp with minor wp, oak, rm, and aspen associates  
Regen:

Other -previous treatment for natural rp failed, moderate deciduous competition with low natural rp establishment Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

17	54051017-Cut	13.5	42110 - Planted Red Pine	Sawtimber Medium	84	1-50	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**Prescription Suggested Management Follow-up:

Specs:  
 -Do not initiate cleaning and weeding or further monitoring follow-ups and change cover type objective to artificial rp.  
 -clearcut  
 -no area retention necessary (already excluded- see site conditions layer)  
 -require chipping of tops  
 -prep during leaf-off, thick sapling subcanopy

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

Acceptable -well stocked rp with minor wp, oak, rm, and aspen associates  
Regen:

Other -previous treatment for natural rp failed, significant deciduous competition with low natural rp establishment Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
27	54051027-NF	7.8	3102 - Grass	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

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

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:Next StepTreatments:AcceptableRegen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

37	54051037-Cut	32.0	42110 - Planted Red Pine	Sawtimber Poor	84	1-50	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Suggested Management Follow-up:

Specs: -Do not initiate cleaning and weeding or further monitoring follow-ups and change cover type objective to artificial rp.

-clearcut

-no area retention necessary (already excluded- see site conditions layer)

-require chipping of tops

-prep during leaf-off, thick sapling subcanopy

-protect ORV trail in sale specs

Next Step SitePrep, Roller Chopping; Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr)

Treatments:

Acceptable -well stocked rp with minor wp, oak, rm, and aspen associates

Regen:

Other -previous treatment for natural rp failed, significant deciduous competition with low natural rp establishment Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

40	54051040-Cut	19.8	42110 - Planted Red Pine	Sawtimber Poor	84	1-50	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Suggested Management Follow-up:

Specs: -Drop previously prescribed burn C54-872 to reduce deciduous competition, monitoring follow-up, and change cover type objective to artificial rp.

-clearcut

-no area retention necessary (already excluded- see site conditions layer)

-require chipping of tops

-prep during leaf-off, thick sapling subcanopy

Next Step SitePrep, Roller Chopping; Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr)

Treatments:

Acceptable -well stocked rp with minor wp, oak, rm, and aspen associates

Regen:

Other -previous treatment for natural rp failed, significant deciduous competition with low natural rp establishment Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
43	54051043-Cut	21.4	42110 - Planted Red Pine	Sawtimber Medium	84	51-80	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**Prescription -clearcut

Specs:  
 -use 2" spec  
 -leave retention pocket(s) 3-10% (already excluded- see site conditions layer)  
 -require chipping of tops

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

Acceptable -well stocked rp with minor wp, oak, rm, and aspen associates  
Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

46	54051046-Cut	45.1	4123 - Red Oak	Sawtimber Well	87	111- 140	Harvest	Group Selection	4123 - Red Oak	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**Prescription -group selection

Specs:  
 -crop tree release trees to 80 BA residual in overstocked areas  
 -create regeneration gaps of approximately 120ft to 150ft (~1/4-1/2 acre) in mature log oak (>16 inches in DBH) at an approximate spacing of 1 every 5 acres  
 -avoid cutting any aspen, especially in proximity or within oak regeneration gaps  
 -mark-to-cut all trees >2 in DBH in regeneration gaps (clean gaps)  
 -avoid partially marking oak stump sprout clusters (take all stems or none) to limit harvest equipment damage to residuals  
 -shortwood to protect residual trees

Next Step Monitoring, Natural Regen (Intermediate); Other, Other; Burn, Understory; SitePrep, Scarification  
Treatments:

Acceptable -moderate to full stocking of oak with minor wp, rp, rm, and aspen associates  
Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

47	54051047-NF	3.1	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
48	54051048-Cut	6.4	4130 - Aspen	Poletimber Well	52	51-80	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**Prescription -clearcutSpecs: -leave scattered wp, rp, and oak (if present) in clumps and/or individuals not to exceed a cumulative residual BA of 10  
-leave 3-7% in area retentionNext StepTreatments:Acceptable -moderate to full stocked aspen with minor pine, oak, fir, and rm associatesRegen:Other Old next step comments:Comment:Proposed Start Date: 10/1 /2016

51	54051051-Cut	103.3	4131 - Aspen, Oak	Poletimber Well	49	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**Prescription -clearcutSpecs: -leave all scattered wp and rp (trace amounts present)  
-mark 3-5 oak (den/hollow and mast) to leave in clumps and/or scattered individuals every 2-4 acres  
-protect trees > 26 inches in DBH  
-protect ORV trail in sale specs  
-leave 5-10% in area retention (focused on east side of trail and/or at trail intersections)  
-require leaving tops along side slopes and within illegal ORV paths to reduce erosion concerns and prevent further use in sale specs  
-monitor 3 RDRs in tracking database once sale has been harvested, close during regen surveyNext StepTreatments:Acceptable -moderate to full stocked aspen and oak with minor pine, fir, and rm associatesRegen:Other Old next step comments:Comment:Proposed Start Date: 10/1 /2016

66	54051066-Cut	23.4	4130 - Aspen	Sawtimber Well	85	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**Prescription -clearcutSpecs: -leave scattered wp, rp, and oak in clumps and/or individuals not to exceed a cumulative residual BA of 10  
-leave 3-10% in area retention  
-consider Winter harvest to promote aspen sprout vigor and protect lowland access to SouthNext StepTreatments:Acceptable -moderate to full stocked aspen with minor pine, oak, fir, and rm associatesRegen:Other -use lowland stand to South or private two-track to North for accessComment: -could not find southern corner, did find two to the north Old next step comments:Proposed Start Date: 10/1 /2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
68	54051068-NF	10.8	3102 - Grass	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

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

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

72	54051072-Cut	5.5	4130 - Aspen	Poletimber Well	47	51-80	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription -clearcut

Specs: -leave scattered wp, rp, and oak in clumps and/or individuals not to exceed a cumulative residual BA of 10

-leave 3-10% in area retention to SW where soil has poor drainage and tag alder (already excluded see site conditions layer)

-cut outside of Spring, wet to south

Next Step

Treatments:

Acceptable -moderate to full stocked aspen with minor pine, oak, fir, and rm associates

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

76	54051076-Cut	4.6	42110 - Planted Red Pine	Sawtimber Well	54	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription -mark thin to approx. 120 residual BA

Specs: -do not remove more than approximately 1/3rd of overall basal area

-rows get narrow in places, mark enough trees so that equipment has at least 10' of operating space

-protect snowmobile trail in sale specs

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

79	54051079-Cut	2.6	4310 - Pine, Oak Mix	Sawtimber Well	84	81-110	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription -clearcut

Specs: -no area retention necessary (see site conditions layer- stand 58 was original area retention)

-require chipping of tops

-prep during leaf-off, thick sapling subcanopy

Next Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable -well stocked rp with minor wp, oak, rm, and aspen associates

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
81	54051081-Cut	18.6	4130 - Aspen	Sawtimber Well	82	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**Prescription -clearcut

Specs: -leave scattered wp, rp, and oak in clumps and/or individuals not to exceed a cumulative residual BA of 10 (will need to mark oak to leave, heavy to SW)  
-leave 3-10% in area retention around advanced wp regen to the South

Next StepTreatments:Acceptable -moderate to full stocked aspen with minor pine, oak, fir, and rm associatesRegen:Other Old next step comments:Comment:Proposed Start Date: 10/1 /2016

87	54051087-Cut	7.9	4132 - Aspen, Jack Pine	Poletimber Well	45	51-80	Harvest	Clearcut	4133 - Aspen, Mixed Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**Prescription -clearcut

Specs: -protect snowmobile trail in sale specs  
-leave area retention 3-7% to protect old railroad grade adjacent to Brush Creek Truck Trl (already excluded see site conditions layer)

Next StepTreatments:Acceptable -moderate to full stocked aspen with minor pine, oak, fir, and rm associatesRegen:Other Old next step comments:Comment:Proposed Start Date: 10/1 /2016

89	54051089-Cut	10.7	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	84	81-110	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**Prescription -clearcut

Specs: -leave retention pocket(s) 3-7% (already excluded- see site conditions layer)  
-require chipping of tops  
-protect ORV trail in sale specs

Next Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)Treatments:Acceptable -well stocked rp with minor wp, oak, rm, and aspen associatesRegen:Other Old next step comments:Comment:Proposed Start Date: 10/1 /2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
103	54051103-Cut	5.9	4122 - Oak, Pine	Sawtimber Medium	86	51-80	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**Prescription Suggested Management Follow-up:

Specs:  
 -Do not initiate cleaning and weeding or further monitoring follow-ups and change cover type objective to artificial rp.  
 -clearcut  
 -leave retention pocket(s) 3-7%  
 -require chipping of tops  
 -prep during leaf-off, thick sapling subcanopy

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

Acceptable -well stocked rp with minor wp, oak, rm, and aspen associates  
Regen:

Other -previous treatment for an oak cover type objective failed  
Comment: -significant deciduous (aspen and rm) competition with moderate (<20% oak) establishment  
 Old next step comments:

Proposed Start Date: 10/1 /2016

114	54051114-Cut	1.6	4130 - Aspen	Sawtimber Well	86	51-80	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**Prescription -clearcutSpecs: -no retention to assist in adjacent stand 43 follow-up activities

Next Step  
Treatments:

Acceptable -well stocked aspen with minor pine, fir, oak, and rm associates  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/1 /2016

116	54051116-Cut	8.6	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	84	81-110	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**Prescription -clearcut

Specs:  
 -leave retention pocket(s) (already excluded west of power line- see site conditions layer)  
 -use 2" cutting spec  
 -require chipping of tops

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

Acceptable -well stocked rp with minor wp, oak, rm, and aspen associates  
Regen:

Other Old next step comments:  
Comment:

Proposed Start Date: 10/1 /2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
121	54051121-Cut	8.4	42110 - Planted Red Pine	Sawtimber Poor	84	1-50	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**Prescription Suggested Management Follow-up:

Specs: -Drop previously prescribed burn C54-872 to reduce deciduous competition, monitoring follow-up, and change cover type objective to artificial rp.  
 -clearcut  
 -no area retention necessary (already excluded- see site conditions layer)  
 -require chipping of tops  
 -prep during leaf-off, thick sapling subcanopy

Next Step SitePrep, Roller Chopping; Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr)Treatments:Acceptable -well stocked rp with minor wp, oak, rm, and aspen associatesRegen:Other -previous treatment for natural rp failed, significant deciduous competition with low natural rp establishment Old next step comments:Comment:Proposed Start Date: 10/1 /2016

430	54051430-NF	8.0	3102 - Grass	Nonstocked	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland			Draft Field Boundary
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**Habitat Cut: No****Site Condition:**Prescription -Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.Specs: -Protect recreational trailNext StepTreatments:AcceptableRegen:Other Old next step comments:Comment:Proposed Start Date: 5 /1 /2015

433	54051433-NF	1.4	3102 - Grass	Nonstocked	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland			Draft Field Boundary
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**Habitat Cut: No****Site Condition:**Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.Specs:Next StepTreatments:AcceptableRegen:Other Old next step comments:Comment:Proposed Start Date: 5 /1 /2015

434	54051434-Cut	2.5	4130 - Aspen	Sawtimber Well	86	51-80	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**Prescription -clearcutSpecs: -no area or leave-tree retention to assist follow-up activities to convert stand to an artificial rp plantationNext Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)Treatments:Acceptable -well stocked rp with minor wp, oak, rm, and aspen associatesRegen:Other Old next step comments:Comment:Proposed Start Date: 10/1 /2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
437	54051437-NF	4.3	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

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

Prescription -Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs: -Protect recreational trail

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

442	54051442-NF	5.1	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

443	54051443-NF	4.4	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

445	54051445-NF	3.4	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
447	54051447-NF	5.3	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

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

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

451	54051451-NF	4.5	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

453	54051453-NF	5.7	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

475	54051475-NF	5.7	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
476	54051476-NF	7.8	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

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

Prescription -Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs: -Protect recreational trail

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

480	54051480-NF	2.6	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

481	54051481-NF	2.9	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Plant to food and cover crops for wildlife or maintain grasses using mechanical methods or fire as funding allows.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 5 /1 /2015

**Total Treatment  
Acreage Proposed: 468.1**

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 51  
Year of Entry: 2017

### Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
764	757	0	7

### Dominant Site Conditions

	Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions				
					5C	2G	3J	5A	5E
764	757	0	7	Aspen					7
120	30	0	90	Cedar		41		49	
83	83	0	0	Herbaceous Openland					0
81	78	0	3	Jack Pine			2		1
20	20	0	0	Low-Density Trees					
46	22	0	25	Lowland Conifers		25			
53	32	0	22	Lowland Deciduous		22			
48	48	0	0	Lowland Shrub					
23	23	0	0	Marsh					
94	65	26	3	Mixed Upland Deciduous	26	0		0	3
31	28	4	0	Natural Mixed Pines	4				
158	132	21	5	Oak	21		4		1
32	28	0	4	Planted Mixed Pines					4
355	259	82	15	Red Pine	82				15
37	0	0	37	Tamarack		20		18	
13	13	0	0	Upland Conifers					
49	41	2	6	Upland Mixed Forest	2	0	2		4
24	24	0	0	Urban					
3	3	0	0	Water					
2,035	1,683	135	217	Total Forested Acres	135	107	8	67	35
	83%	7%	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	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
Area Retention For Stand 37							

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 51  
Year of Entry: 2017

2	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Area Retention For Stand 10							
4	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	4	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Area Retention For Stand 10 & 88							
5	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -cedar lowland pockets mixed within stand							



## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 51  
Year of Entry: 2017

8	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -area retention for stand 80							
11	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	8	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Area Retention For Stand 10 & 88							

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 51  
Year of Entry: 2017

16	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	47	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	39	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
21	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
-area retention for stand 10							

## Report 5 – Site Conditions

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Compartment: 51  
Year of Entry: 2017

22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
25	Unavailable	5A: Not able to obtain desirable regeneration	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
26	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 51  
Year of Entry: 2017

28	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -area retention for stand 89							
31	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
32	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
33	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -area retention for stand 4							
34	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -area retention for stand 72							
35	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -area retention for stand 87							

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 51  
Year of Entry: 2017

36	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
37	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -area retention for stand 37							
38	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	64	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
39	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -area retention for stand 43							
40	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
41	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 51  
Year of Entry: 2017

42	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
43	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
44	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
45	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
46	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
47	Unavailable	5E: Long-Term Retention	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -stand 12 retention							

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Darrick Coy : Examiner

Compartment: 51  
Year of Entry: 2017

48	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
49	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
50	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -area retention for stand 116							
52	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -area retention for stand 116							

Mgt. Unit

Compartment: #Type!

Year of Entry:



## Report 6 – PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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**Report 7 – 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 Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.

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Atlanta Mgt. Unit

## Report 8 – Forested Stands

Compartment: 51  
Year of Entry: 2017

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	Poletimber Well	68.1	37	51-80	OPIC - FMD: OI Stand Year Origin was 1977. T96-77A- appears that they cut all but oak, rp, and wp
2	42120 - Planted Jack Pine	Poletimber Well	5.5	35	1-50	OPIC - FMD: J2, R1, U
4	42110 - Planted Red Pine	Sawtimber Medium	16.3	84	51-80	-appears to have all but rp and oak cut out 37 years ago -most rp are over 16 inches or more -pine are of planting origin -stand had variable recruitment due to deciduous competition
5	4123 - Red Oak	Sawtimber Well	4.0	95	51-80	OPIC - FMD: Thinned 2000, sale 20-97. 70 sq' of oak and red pine left.
6	42290 - Natural Mixed Pine	Sawtimber Well	5.7	84	81-110	
7	4310 - Pine, Oak Mix	Sawtimber Well	2.3	84	111-140	-planting record for 1930
8	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	17.7	14	1-50	OPIC - FMD: cut 2000, sale 20-97. 10 sq' of oak left. Plant red pine. Seeded red pine 2000, partially failed and planted 5/2001.
10	4125 - Black, N. Pin Oak	Sapling Medium	58.8	7	1-50	rush lake red pine- 54-013-07-01- Cut 3/08 -OI stand 10 & 30
12	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	11.1	13	1-50	OPIC - FMD: cut 2000, sale 20-97. Lots of cherry, RM, and some natural red pine.-north half is pretty pure to jp-south half has more deciduous mixed in
13	4319 - Mixed Upland Forest	Sapling Well	19.8	14	1-50	OPIC - FMD: cut 2000, sale 20-97. 10 sq' of oak left. Lots of cherry, RM, and some natural red pine. -planted with jack pine, variable success
14	42110 - Planted Red Pine	Sawtimber Medium	30.1	80	1-50	-closed 4/16/2010- cut all aspen, rm, jack pine, and marked RP -cut vol.- 72% rp, 26% oak, 1% wp, 1% jp, 0% aspen OPIC - FMD: J3, R2, O1. LCR31:0.33. Thin, using group selection. Protect understory. Alternative understory: Any combination of oak, white pine, red pine, jack pine, and aspen resulting in medium or full stocking. Stand was thinned in Spring 2010. Part of Two Pat's Pine 54-022-07-01
15	4131 - Aspen, Oak	Sapling Well	21.5	14	1-50	OPIC - FMD: OI Stand Year Origin was 2001. T20-97



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	42110 - Planted Red Pine	Sawtimber Medium	15.5	84	1-50	-OI stand 4 & 7 -res ba average is around 30-50 -equal mix of rm and oak saps -any natural rp is being overtopped by deciduous competition -closed 4/16/2010- cut all aspen, rm, jack pine, and marked RP -cut vol.- 72% rp, 26% oak, 1% wp, 1% jp, 0% aspen OPIC - FMD: A portion of this was thinned in 2000, sale 20-97. M2O2. East-most part is a narrow ridge, with R3 under oak in one spot. LCR31:0.5. Thin, using group selection. Protect understory. Long term management to favor oak. Alternative understory: Any combination of oak, white pine, red pine, jack pine, and aspen resulting in medium or full stocking. Stand was thinned in Spring 2010. Part of Two Pat's Pine 54-022-07-01
19	4130 - Aspen	Poletimber Well	55.5	43	51-80	-T11-68 -larger timber than aspen to east of same age, site quality slightly better -hardly any rot showing
20	4130 - Aspen	Poletimber Well	8.6	27	1-50	OPIC - FMD: OI Stand Year Origin was 1988
21	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	27.7	13	1-50	OPIC - FMD: Cut 2000, sale 20-97. oak left for visual purposes. Plantation
22	4122 - Oak, Pine	Sawtimber Medium	4.5	86	51-80	-appears that they cut out aspen and rm in 2000 from this stand as well
23	4310 - Pine, Oak Mix	Sapling Well	9.8	13	1-50	OPIC - FMD: Cut 2000, sale 20-97. oak left for visual purposes. Plantation -everything but rp is natural origin -very mixed stand, jp appears to be natural regeneration
24	4130 - Aspen	Sapling Well	29.0	25	1-50	OPIC - FMD: OI Stand Year Origin was 1989. T17-87
25	42120 - Planted Jack Pine	Sapling Well	9.5	24	1-50	OPIC - FMD: PLANTED IN 1991 -C54-461
26	42111 - Planted Red Pine, Mixed Deciduous	Sapling Medium	33.0	24	1-50	OPIC - FMD: PLANTED IN 1991
28	4130 - Aspen	Sawtimber Medium	0.9	86	51-80	
30	4310 - Pine, Oak Mix	Sawtimber Well	6.1	86	81-110	-was left as area retention for adjacent clearcut treatments and to protect lowland -jp around waters edge
31	42120 - Planted Jack Pine	Poletimber Well	4.6	49	51-80	OPIC - FMD: T32-74? -E 1/3rd appears to be younger 25-35 yrs
32	4123 - Red Oak	Sawtimber Well	7.4	78	81-110	OPIC - FMD: Off Road Vandalism (ORV) present. Used for scramble area.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
33	42210 - Natural Red Pine	Sawtimber Poor	31.3	84	1-50	<p>-Area 51- 540040701- closed 1/19/11. Cut 2/19/08-3/31/08. Cut Vol.= 60% rp, 5% jp, 33% oak, 2% rm -rm- 7%, wp- 5%, jp- 5%, bf- 3%, wp log- 2%, npo log- 8%, rp log- 20%, npo- 50% -PARVHa. -heavy oak regeneration underneath existing pine, most appear to be from stump sprouts -15-25 BA of mainly log rp left -heavy oak regeneration underneath existing pine, most appear to be from stump sprouts</p> <p>This prescription was changed by variance as is explained below: Stand 33 is more than 25% smaller than was predicted during OI (40 acres predicted, 29 actual). This stand had some exclusions do to slope. Additionally, the part of the stand from OI is in fact a white pine stand, not red pine.</p> <p>-Alternative understory: Any combination of oak, white pine, red pine, jack pine, and aspen resulting in medium or full stocking.</p>
34	6121 - Tamarack	Poletimber Medium	37.2	88	51-80	<p>OPIC - FMD: RESERVED CONIFERS-more broken canopy and size class variability-tamarack more dominant in middle of stand-mixed species on stand edges with smaller trees growing in more saturated soils with stagnant growth</p>
35	6120 - Lowland Cedar	Poletimber Well	67.1	123	111-140	<p>OPIC - FMD: RESERVED CONIFERS-small stream 3-6ft in width bisects stand NW-SE-some cedar coming in under black spruce to NE-a lot of unmerchantable cedar and saturated soils to SE 1/2 of stand, hard to walk through</p>
36	4319 - Mixed Upland Forest	Poletimber Well	5.5	37	51-80	-T18-87, species thinned?
37	42110 - Planted Red Pine	Sawtimber Poor	34.4	84	1-50	<p>-res. ba 21 -rush lake red pine- 54-013-07-01- Cut 3/10/08-3/26/08 -Left wp, oak, and teal rp -heavy oak regeneration underneath existing pine, most appear to be from stump sprouts Alternative understory: Any combination of oak, white pine, red pine, jack pine, and aspen resulting in medium or full stocking.</p>
38	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	68.0	84	51-80	<p>-rush lake red pine- 54-013-07-01- Cut 3/10/08-3/26/08-cut orange rp only. Plantation red pine. PARVHa. -many treatments for 1974 off cards, possibly was thinned?</p>
39	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	4.8	40	1-50	<p>-narrow drainage -pockets of primarily tag alder throughout</p>



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
40	42110 - Planted Red Pine	Sawtimber Poor	19.8	84	1-50	<p>Sale cut 2009 on 54-004-07-01            -cored rp age of 77 on site            -cut vol- 11% aspen, 62% rp, 12% jp/bf, 4% rm, &amp; 11% oak            -10-20% sap oak            -30-40% rm            -30-40% aspen</p> <p>This prescription was changed by variance as is explained below:            Stand 40 is also more than 25% smaller than was predicted during OI (62 acres predicted, 43 actual). This stand had exclusions due to an area consisting of white pine, cedar, and vernal ponds.</p> <p>Previous acceptable species- Any combination of oak, white pine, red pine, jack pine, and aspen resulting in medium or full stocking.</p>
41	4130 - Aspen	Poletimber Well	24.9	41	51-80	-legacy wp in stand
42	6120 - Lowland Cedar	Poletimber Well	18.9	123	81-110	-most of stand is of very low quality and impossible to walk through-better cedar around transitional edges of stand, tangled mess in interior
43	42110 - Planted Red Pine	Sawtimber Medium	23.4	84	51-80	-T18-87, possibly thinned?
44	6120 - Lowland Cedar	Poletimber Well	3.8	101	141-170	
45	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	4.2	77	51-80	-very mixed stand, difficult to code out -semi-open stand with oak mast trees of little timber value
46	4123 - Red Oak	Sawtimber Well	45.9	87	111-140	<p>OPIC - FMD: OAK-CROP TREE RELEASE-ELK USE. Cut 2001 sale 021-97</p> <p>-Extremely high deer use (90-100% track coverage throughout stand)            -S1/4 and N 1/4 of stand have more aspen component            -center half stand was not thinned very well in '01, many spots of 120, some above 160            -see qd for more stand information</p>
48	4130 - Aspen	Poletimber Well	6.6	52	51-80	-T63-59
50	4319 - Mixed Upland Forest	Sawtimber Well	3.3	88	51-80	-small area that was left unharvested due to wet area in middle and throughout stand -mixed stand
51	4131 - Aspen, Oak	Poletimber Well	103.7	49	51-80	-T43-65A & T59-64-appears that oak, rp, and wp were not harvested-aspen not showing much rot or decline at this point



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
53	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	24.1	47	51-80	OPIC - FMD: Retain to regenerate white pine. This is a broad drainage with scattered balsam fir, cedar, white pine, and red pine.-appears that previous harvest left cedar, rp, wp, and oak-many wp may be legacy trees-slower growth than west due to poorer drainage and saturated soils-many pockets of low cedar throughout (see OFS) for some locations found during inventory-T69-67?
54	4139 - Aspen, Mixed Deciduous	Sapling Well	38.9	25	1-50	-T50-87 -beaver activity along abandoned RR grade
55	4130 - Aspen	Poletimber Well	6.9	47	81-110	
56	4130 - Aspen	Poletimber Well	60.3	44	1-50	OPIC - FMD: Access impeded by beaver flooding. -T92-69 -appears that RP, WP, and oak were not cut from previous harvest -significant wildlife cavity and mast value in oak and pine -high deer use under mast oak -aspen healthy, not much rot or decline showing yet
57	42360 - Upland Cedar	Poletimber Well	1.1	112	111-140	-crowns are thinning out -cedar doing poorly -appears to be mostly upland -blow down to the south
58	42140 - Planted Mixed Pine	Sawtimber Well	2.5	84	81-110	-area was left unharvested -Sale cut 2009 on 54-004-07-01 to north
59	4136 - Aspen, Mixed Conifer	Sawtimber Well	6.3	87	81-110	-left as retention for south aspen clearcut-aspen showing decline/rot
60	4131 - Aspen, Oak	Sapling Well	25.0	26	1-50	
62	4131 - Aspen, Oak	Sapling Well	23.2	15	1-50	OPIC - FMD: OI Stand Year Origin was 2000. T22-98. -some older pockets of timber left to NW 1/3rd, mostly aspen and oak log trees
63	6120 - Lowland Cedar	Poletimber Well	16.6	134	111-140	-areas to SW are too wet
64	4131 - Aspen, Oak	Poletimber Well	31.1	34	51-80	-T53-79 completion date of 11-13-80 -left all oak and pine -significant mast oak trees were created from harvest
66	4130 - Aspen	Sawtimber Well	23.4	85	81-110	-fair amount of aspen already dead -60-70% showing conks with internal rot -many cavity trees -Alternating east-west ridge and swale topography. Better than usual levels of horizontal material.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
67	6115 - Lowland Ash	Poletimber Poor	24.4	86	51-80	-low canopy closure due to significant ash mortality-mostly dead, will convert to balsam, fir, and ash or primarily tag alder in areas-standing water throughout OPIC - FMD: RESERVE CONIFER SWAMPS. Includes some marsh-like swamp grass areas.
71	42210 - Natural Red Pine	Sawtimber Poor	14.5	83	1-50	-54-032-07-01. cut 8/11/09. closed 12/09. -cut orange trees. cut vol.= 75% rp, 10% jp, 12% rm, fir oak 3% -FTP C54-923 -Alternative understory: Any combination of oak, white pine, red pine, jack pine, and aspen resulting in medium or full stocking.
72	4130 - Aspen	Poletimber Well	6.1	47	51-80	
73	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	5.5	39	51-80	Sale cut 2009 on 54-004-07-01. -cut all aspen, birch, maple in 1/31/75 -some paint present on rp, orange dots -don't see any hydro features that needed protection -Stand 40 is also more than 25% smaller than was predicted during OI (62 acres predicted, 43 actual). This stand had exclusions due to an area consisting of white pine, cedar, and vernal ponds.
74	42210 - Natural Red Pine	Sawtimber Well	11.0	82	111-140	-some smaller oak and red maple on south side of road OPIC - FMD: Reserved for big tree management and visual management.
75	4130 - Aspen	Poletimber Well	93.1	43	51-80	-more oak to SE-T35-68 OPIC - FMD: Clumps of mature oak and aspen.
76	42110 - Planted Red Pine	Sawtimber Well	4.6	54	141-170	OPIC - FMD: 3RD ROW THINNED, 1998, SALE 033-99. PARVHa.
77	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	46.4	45	81-110	-abandoned RR grade runs through stand-log tamarack to NW portion of stand-composition is very diverse in species, structure, and size classes-pocket of upland aspen in middle of stand, found old red paint but was not cut
78	429 - Mixed Upland Conifers	Sawtimber Poor	12.6	84	1-50	-area appears to have all rm and aspen cut out 15 years ago -stand was shelterwood to 30-50 BA
79	4310 - Pine, Oak Mix	Sawtimber Well	2.6	84	81-110	-rp has 1930 planting record -majority is natural -area was left as retention for adjacent treatment to west
80	4130 - Aspen	Sapling Well	78.0	6	Immature	Cut 2009 Sale 54-012-07-01. -did not cut oak, cedar, rp, hemlock, or wp -cut volume- 19% rm, 77% aspen, 4% bf -harvest was added to even out the age classes
81	4130 - Aspen	Sawtimber Well	19.3	82	81-110	-T63-59

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## Atlanta Mgt. Unit

## Report 8 – Forested Stands

Compartment: 51  
Year of Entry: 2017

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
83	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Poor	1.6	42	51-80	-JP was planted under RP and scattered oak -area was left as area retention
84	4122 - Oak, Pine	Sawtimber Well	0.9	83	51-80	-was not included in past harvest, left as retention
85	42120 - Planted Jack Pine	Poletimber Medium	26.7	40	51-80	T-107-77 or T95-77 or T60-75-appears that NE contains JP that is slightly older where trail splits stand-fairly pure stand with more oak and aspen to the S
86	42290 - Natural Mixed Pine	Sapling Well	8.3	15	1-50	-T-22-98 -cut 1999 -natural regeneration -snowmobile trail runs through stand
87	4132 - Aspen, Jack Pine	Poletimber Well	8.6	45	51-80	
88	4125 - Black, N. Pin Oak	Sapling Medium	13.5	7	1-50	Sale cut 2009 on 54-004-07-01 -OI stand 10 Alternative understory: Any combination of oak, white pine, red pine, jack pine, and aspen resulting in medium or full stocking.
89	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	11.5	84	81-110	-card records show planting in 1930
90	4130 - Aspen	Sapling Well	8.5	13	1-50	Cut 2000, sale 20-97
91	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Poor	2.8	86	51-80	-left as buffer for lowland to north -wet areas exist -very mixed composition -some large white pines
93	42250 - Pine, Oak	Sawtimber Well	3.5	84	81-110	-planting record for 1930, some rows still exist in south portion -a lot of developing oak that are pole size, likely was cut during adjacent aspen cut -most jp are dead
94	42220 - Natural Jack Pine	Poletimber Medium	12.9	37	51-80	
95	4123 - Red Oak	Sawtimber Well	5.3	87	51-80	
96	6120 - Lowland Cedar	Poletimber Well	12.7	118	141-170	-cedar poles along creek, small crowns, dense/high ba -jp & bs to NE, drier
97	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	3.7	78	51-80	-some large white pines and old aspen





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
99	42290 - Natural Mixed Pine	Poletimber Well	13.5	37	51-80	-may have had aspen and others cut out in 1977 -left about 20-30 BA in canopy of RP -RP may have been planted with variable success -JP appears to be natural
100	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	20.4	71	51-80	-it appears that they cut all but rp, wp, and oak in 1977 -many mast oak and scattered 125+ pine trees present -most cedar, wp, and wet areas are to NE
101	42110 - Planted Red Pine	Sawtimber Well	1.0	84	111-140	-planting record for 1930 -variable success in planting and other pine in-growth of wp and jp present
102	42120 - Planted Jack Pine	Poletimber Well	2.7	66	51-80	
103	4122 - Oak, Pine	Sawtimber Medium	5.9	86	51-80	-failed treatment for natural rp due to extensive deciduous competition  OPIC - FMD: A portion of this was thinned in 2000, sale 20-97. M2O2. East-most part is a narrow ridge, with R3 under oak in one spot. LCR31:0.5. Thin, using group selection. Protect understory. Long term management to favor oak. Alternative understory: Any combination of oak, white pine, red pine, jack pine, and aspen resulting in medium or full stocking. Stand was thinned in Spring 2010. Part of Two Pat's Pine 54-022-07-01
105	4123 - Red Oak	Sawtimber Medium	8.3	86	51-80	-Cut 2009 Sale 54-012-07-01 -left rp, wp, cedar, hemlock, and oak -important mast stand for wildlife, oak have huge crowns -hybrid red/northern pin oak
107	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	13.6	94	51-80	-was coded for seed-tree harvest with adjacent RP to north, excluded due to it being a different covertype -poor quality mast oak -legacy WP in middle of stand -many pole to small log wp developing throughout stand, mostly along E side of stand and along rush lake rd -some hilly terrain to NE but is still operable
108	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	8.3	86	51-80	-pockets of cedar and lowland in middle of stand scattered in other areas -dying aspen log pockets
109	42110 - Planted Red Pine	Sawtimber Medium	2.6	84	51-80	OPIC - FMD: Thinned 2000, sale 20-97. Thin to 30 BA. Lots of nice oak saps in places, but not all recruited. Alternate regeneration: Any mix of aspen, oak and pine resulting in a fully stocked understory. A variance was granted for the following reason: The volume/BA shown in OI was not there - the stand is already at the desired BA.
110	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	21.3	14	1-50	OPIC - FMD: OI Stand Year Origin was 2001. T20-97 -appears that jp was planted, most was lost due to deciduous competition



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
114	4130 - Aspen	Sawtimber Well	1.6	86	51-80	
116	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	12.0	84	81-110	-card shows 1930 planting -variable success, rows not visible
117	4136 - Aspen, Mixed Conifer	Sapling Well	9.3	15	1-50	-appears that all rm and aspen was cut out-small chunk of aspen was left untreated to SW-portion on E side of road/trail is likely slightly older but not as old as aspen to the south, was treated as an inclusion due to not being at least 5 acres, site quality appears to be similar, strange
120	42220 - Natural Jack Pine	Poletimber Medium	8.1	45	51-80	T-107-77 or T95-77 or T60-75 -appears that NE contains JP that is slightly older where trail splits stand -fairly pure stand with more oak and aspen to the S
121	42110 - Planted Red Pine	Sawtimber Poor	8.4	84	1-50	Sale cut 2009 on 54-004-07-01 -cored rp age of 77 on site -cut vol- 11% aspen, 62% rp, 12% jp/bf, 4% rm, & 11% oak -10-20% sap oak -30-40% rm -30-40% aspen This prescription was changed by variance as is explained below: Stand 40 is also more than 25% smaller than was predicted during OI (62 acres predicted, 43 actual). This stand had exclusions due to an area consisting of white pine, cedar, and vernal ponds.  Previous acceptable species- Any combination of oak, white pine, red pine, jack pine, and aspen resulting in medium or full stocking.
122	4199 - Other Mixed Upland Deciduous	Sapling Well	14.1	6	1-50	Sale cut 2009 on 54-004-07-01 -cored rp age of 77 on site -cut vol- 11% aspen, 62% rp, 12% jp/bf, 4% rm, & 11% oak -10-20% sap oak -30-40% rm -30-40% aspen This prescription was changed by variance as is explained below: Stand 40 is also more than 25% smaller than was predicted during OI (62 acres predicted, 43 actual). This stand had exclusions due to an area consisting of white pine, cedar, and vernal ponds.  Previous acceptable species- Any combination of oak, white pine, red pine, jack pine, and aspen resulting in medium or full stocking.
431	4121 - Oak, Aspen	Sawtimber Well	3.6	86	51-80	
432	4134 - Aspen, Spruce/Fir	Sapling Well	2.8	28	1-50	-T18-87, possibly thinned? -appear to have cut rm and aspen
434	4130 - Aspen	Sawtimber Well	2.5	86	51-80	



Stand	Cover Type	Acres	Managed Site	General Comments:
3	3303 - Mixed Low Density Trees	2.6	No	
9	3303 - Mixed Low Density Trees	1.9	No	OPIC - FMD: Clumps of mature oak and aspen.
11	623 - Emergent Wetland	6.7	No	OPIC - FMD: Off road vandalism (ORV) is destroying this wetland. Used for mud bogging. Berms have been useless.
16	623 - Emergent Wetland	1.4	No	OPIC - FMD: OI Stand Year Origin was
18	622 - Lowland Shrub	22.6	No	OPIC - FMD: POG. Consider changing to sc=4 at review. Block both ends of abandoned RR grade.
27	3102 - Grass	7.8	Yes	OPIC - FMD: Clumps of mature oak and aspen.
29	330 - Low-Density Trees	1.2	No	OPIC - FMD: Reserved for big tree management and visual management.
47	3102 - Grass	3.1	Yes	
49	330 - Low-Density Trees	1.7	No	
52	622 - Lowland Shrub	17.5	No	OPIC - FMD: OI Stand Year Origin was
61	500 - Water	2.8	No	OPIC - FMD: PART OF LITTLE BRUSH LAKE
65	330 - Low-Density Trees	3.7	No	OPIC - FMD: STUMPS CHERRY BRUSH
68	3102 - Grass	10.8	Yes	OPIC - FMD: Access impeded by beaver flooding.
69	122 - Road/Parking Lot	18.9	No	OPIC - FMD: Roads. 624 and Rush Lake Rd.
70	330 - Low-Density Trees	3.4	No	OPIC - FMD: OI Stand Year Origin was 1915
82	623 - Emergent Wetland	14.6	No	OPIC - FMD: SOME BLACK ASH & CEDAR 2 STICK
92	122 - Road/Parking Lot	3.5	No	OPIC - FMD: Roads. Brush Creek Truck Trail, west part.
98	122 - Road/Parking Lot	1.3	No	OPIC - FMD: Reserved for big tree management and visual management.



Stand	Cover Type	Acres	Managed Site	General Comments:
104	3301 - Low Density Deciduous Tree	2.1	No	OPIC - FMD: Access impeded by beaver flooding. -many developing pole mast oak trees as well as older mast oak
106	330 - Low-Density Trees	1.6	No	OPIC - FMD: Clumps of mature oak and aspen.
111	622 - Lowland Shrub	1.0	No	
112	622 - Lowland Shrub	1.0	No	
113	3303 - Mixed Low Density Trees	1.3	No	
115	622 - Lowland Shrub	1.6	No	OPIC - FMD: POG. Consider changing to sc=4 at review. Block both ends of abandoned RR grade.
118	330 - Low-Density Trees	0.9	No	
119	622 - Lowland Shrub	2.8	No	OPIC - FMD: OI Stand Year Origin was
123	622 - Lowland Shrub	1.1	No	
430	3102 - Grass	8.0	Yes	OPIC - FMD: maintain type with food and cover plantings. OI Stand Year Origin was
433	3102 - Grass	1.4	Yes	OPIC - FMD: allow stand to covert to upland brush naturally. OI Stand Year Origin was
437	3102 - Grass	4.3	Yes	OPIC - FMD: maintain with food and cover plantings. OI Stand Year Origin was
442	3102 - Grass	5.1	Yes	OPIC - FMD: maintain with food and cover plantings. OI Stand Year Origin was
443	3102 - Grass	4.4	Yes	OPIC - FMD: maintain with food and cover plantings OI Stand Year Origin was
445	3102 - Grass	3.4	Yes	OPIC - FMD: maintain with food and cover plantings. OI Stand Year Origin was
447	3102 - Grass	5.3	Yes	OPIC - FMD: maintain with food and cover plantings. OI Stand Year Origin was
451	3102 - Grass	4.6	Yes	OPIC - FMD: maintain with food and cover plantings. OI Stand Year Origin was
453	3102 - Grass	5.8	Yes	OPIC - FMD: OI Stand Year Origin was



Stand	Cover Type	Acres	Managed Site	General Comments:
475	3102 - Grass	5.7	Yes	OPIC - FMD: maintain with food and cover plantings. OI Stand Year Origin was
476	3102 - Grass	7.8	Yes	OPIC - FMD: maintain stand with food and cover plantings. OI Stand Year Origin was
480	3102 - Grass	2.6	No	OPIC - FMD: allow stand to convert to upland brush naturally. OI Stand Year Origin was
481	3102 - Grass	2.9	Yes	OPIC - FMD: maintain with food and cover plantings. OI Stand Year Origin was