



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54055

Entry Year 2018

Acreage: 1,166

County Montmorency

Management Area: Thunder Bay Outwash

Revision Date: 2016-06-03

Stand Examiner: Richard Barber

Legal Description:

T31N, R04E, Sec. 3-8

Identified Planning Goals:

Mostly pine and oak management plus recreation

Soil and topography:

Soils are generally sandy, except in the northeast and north central areas, which can contain a fair amount of clay. The north part of the compartment is hilly in places, others gently rolling to flat.

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

Subdivisions at Lake Avalon, Ess Lake, and Long Lake abut the compartment. Remaining lands are a mix of other state and hunting properties.

Unique Natural Features:

Reported near the compartment by MNFI.

Archeological, Historical, and Cultural Features:

One or more sites have been reported.

Special Management Designations or Considerations:

Adjacent urban development places heavy impacts on this parcel, especially from illegal ORV use.

Watershed and Fisheries Considerations:

The lakes in and near this compartment are used heavy for fishing and other recreation. Brush Creek also passes through the compartment. Brush Creek and Lake Avalon are cold water features.

Wildlife Habitat Considerations:

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

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of an end moraine of medium-textured till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 100 and 400 feet. Beneath the glacial drift is the Devonian Antrim Shale. The Antrim is quarried for cement products elsewhere in the State. A gravel pit is located in Section 3 and potential appears to be good. Most of this Compartment is not leased or drilled for the Antrim Shale. Antrim development is possible, but this area is close to where the Antrim Shale disappears.

Vehicle Access:

Access is excellent via numerous county and state forest roads.

Survey Needs:

Surveys may be required to prove non-timber trespass.

Recreational Facilities and Opportunities:

Ess Lake Campground; Ess lake BAS, Long Lake BAS, and Lake Avalon BAS. There is also an informal access site to Beaver Lake.

Fire Protection:

MDNR and Hillman VFD.

Additional Compartment Information:

The following reports from the Inventory are attached:

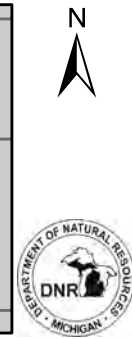
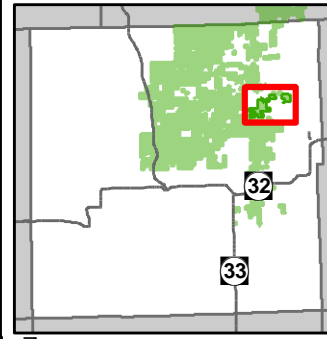
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

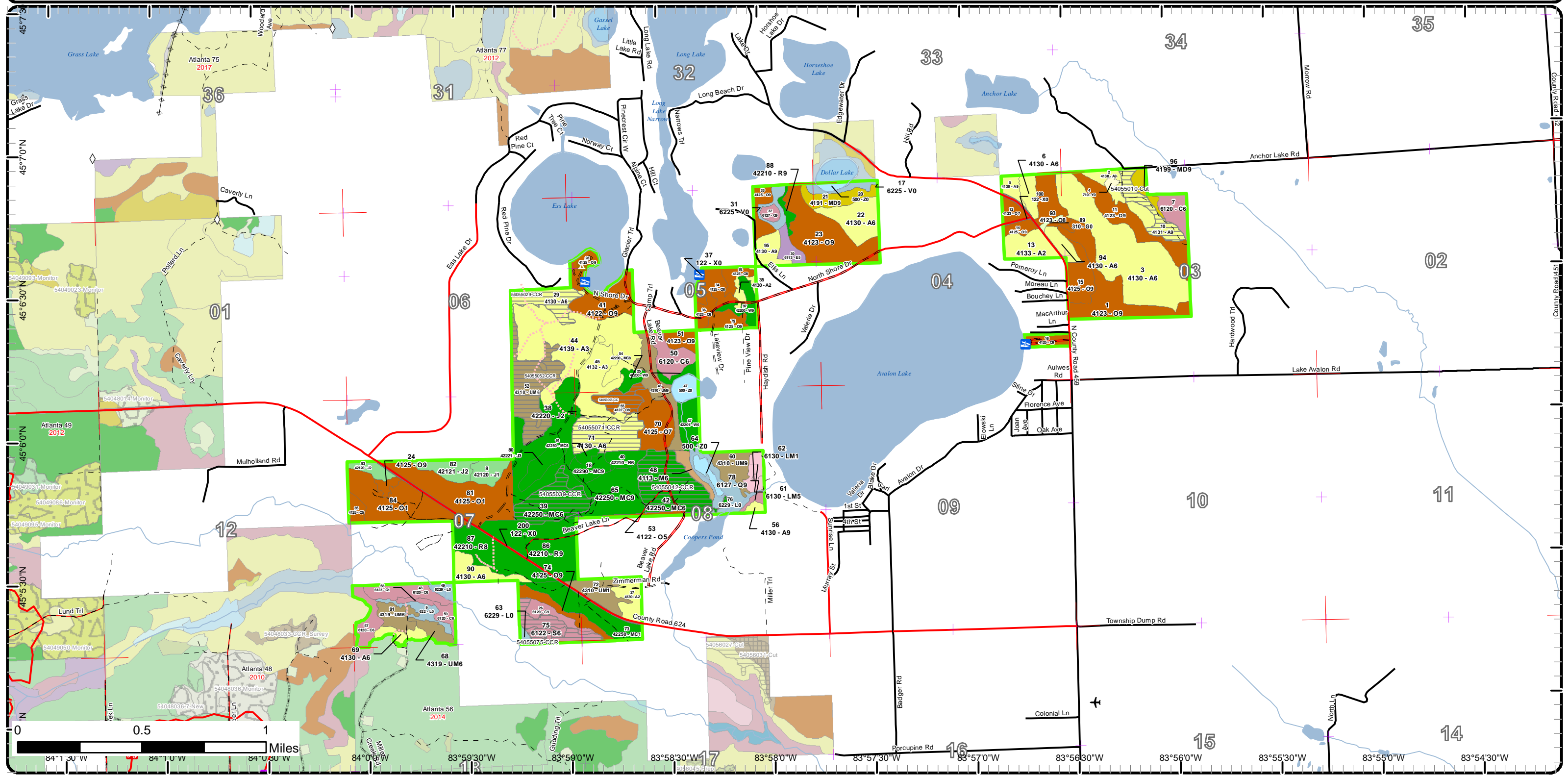
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

Cover Type & Treatments Map

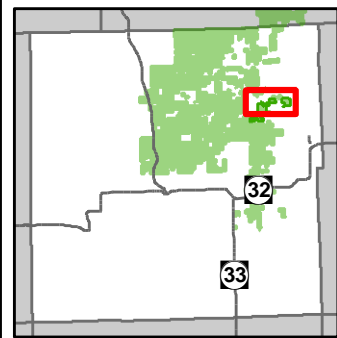
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 Examiner: Richard Barber
 Map Revised: 10/6/2016
 Map Phase: Post Review



- Miris Corners
- + Remonumented Section Corners
- Field Grade GPS Corners
- ✈ Airport
- Boating Access Site
- Campground
- Designated ATV Trails
- County Paved Roads
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- County Gravel Roads
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- Pipeline
- Compartment Boundary
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand/Soil
- Lakes

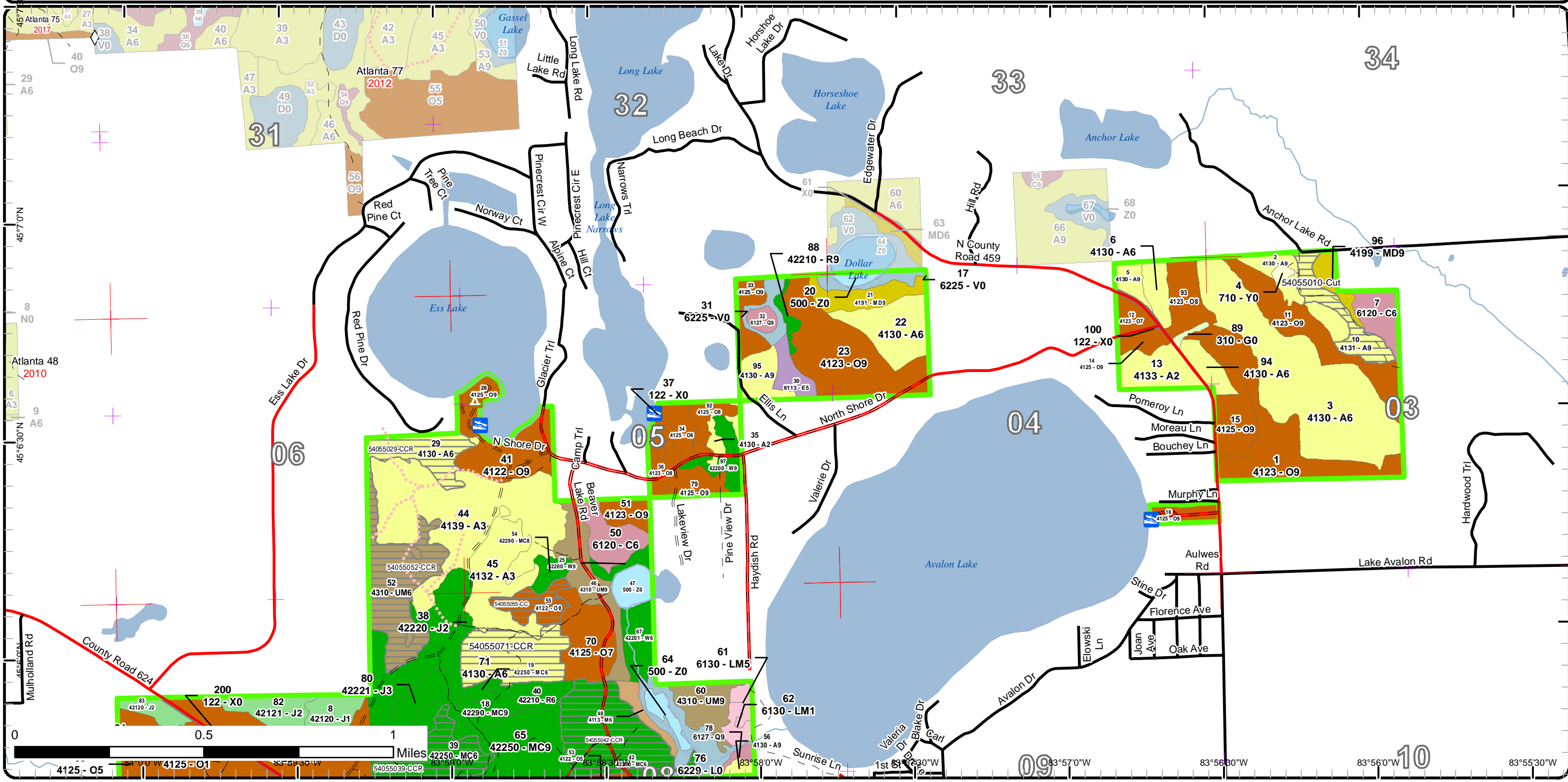


Cover Type & Treatments Map



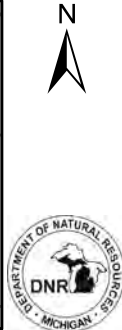
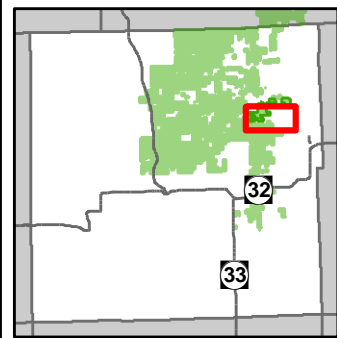
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|--|--|--|
| <ul style="list-style-type: none"> — Miris Corners — Remonumented Section Corners ◇ Field Grade GPS Corners Boating Access Site △ Campground — County Paved Roads — Paved Roads — County Gravel Roads — Gravel Roads — Poor Dirt Roads — County Poor Dirt Roads — Closed Roads — Rivers ▭ Compartment Boundary | <ul style="list-style-type: none"> Clearcut (w/Reserves) 411 - Northern Hardwood 412 - Oak Types 413 - Aspen Types 419 - Mixed Upland Deciduous 421 - Planted Pines 422 - Natural Pines 430 - Upland Mixed Forest 611 - Lowland Deciduous Forest 612 - Lowland Coniferous Forest 613 - Lowland Mixed Forest 122 - Roads/Parking Lot 310 - Herbaceous Openland 500 - Water 622 - Lowland Shrub | <ul style="list-style-type: none"> 710 - Sand/Soil Lakes |
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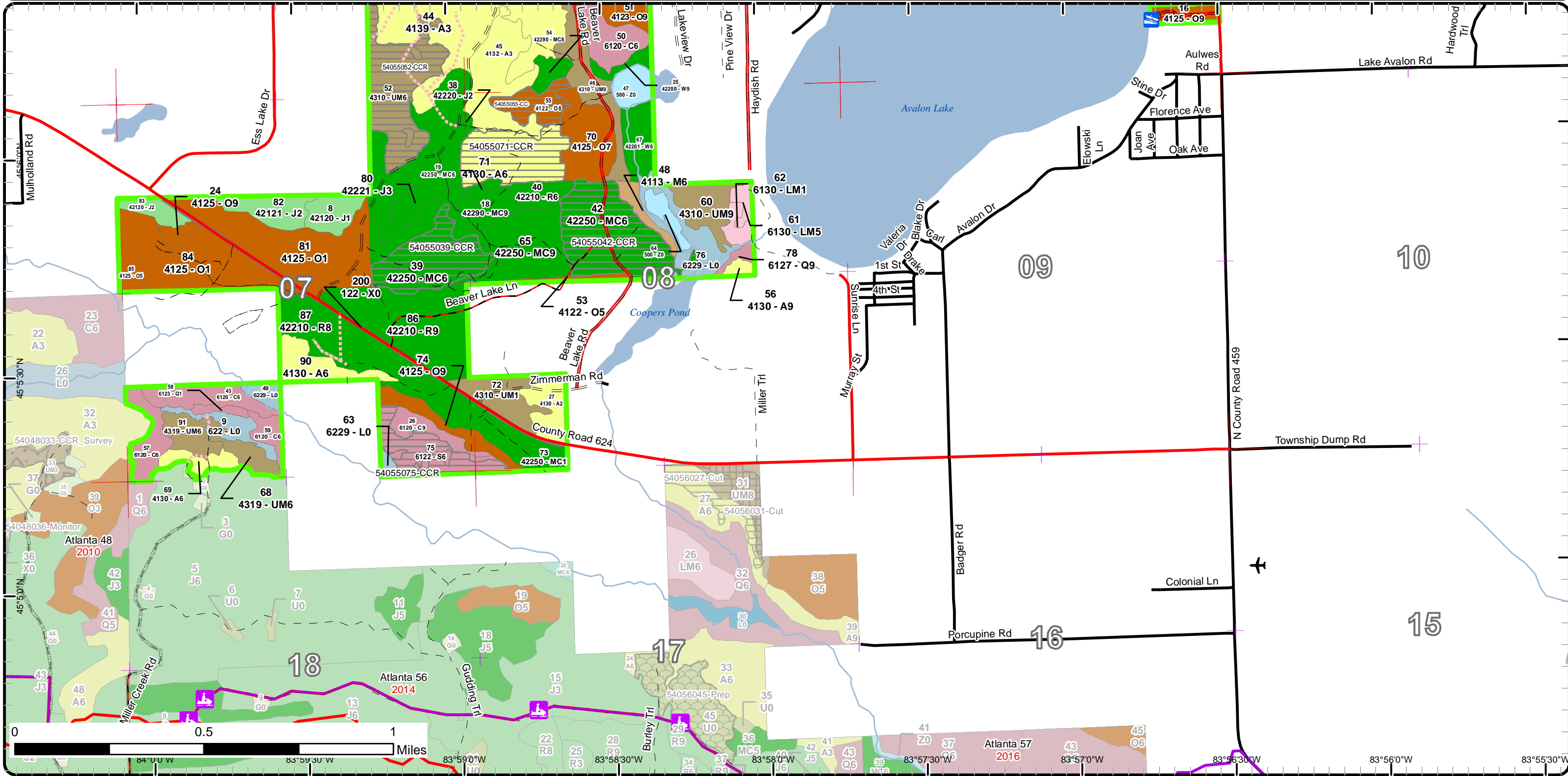


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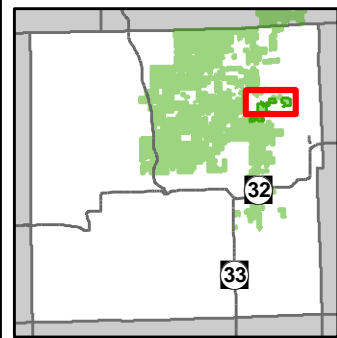
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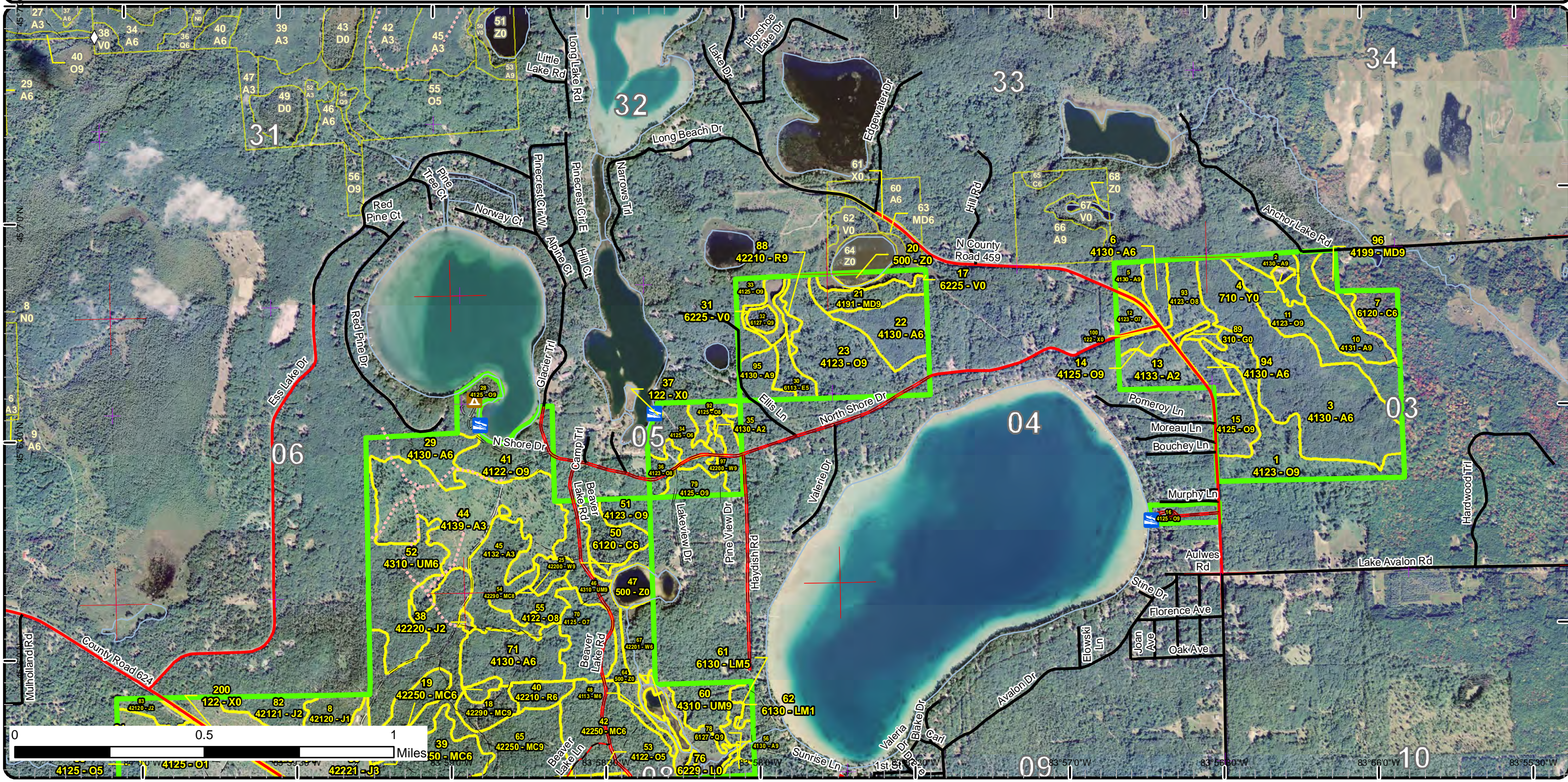
Stand Boundary Map



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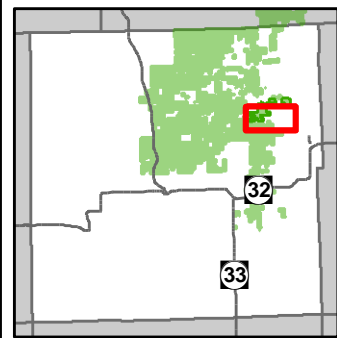
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710 - Sand/Soil

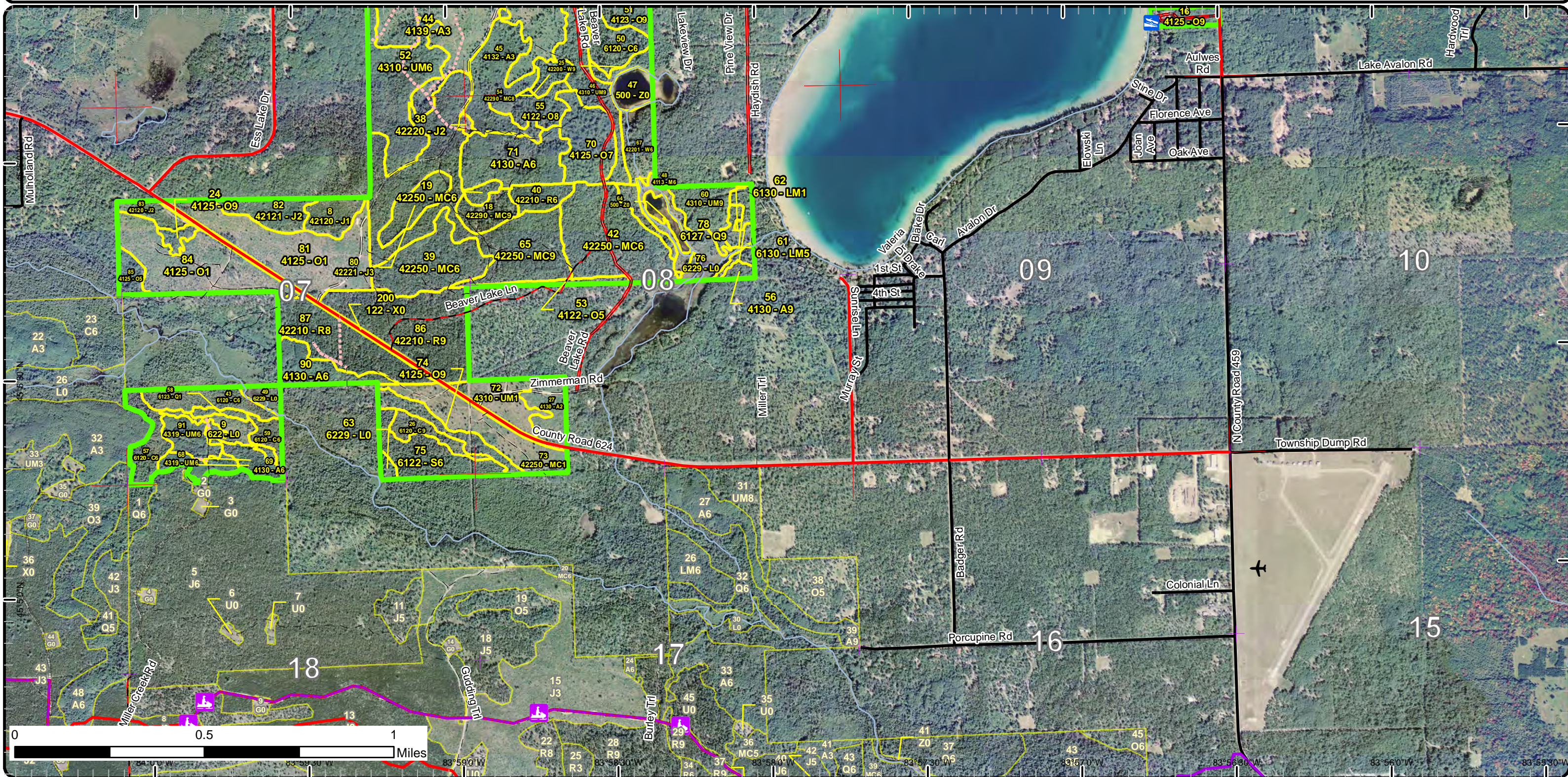


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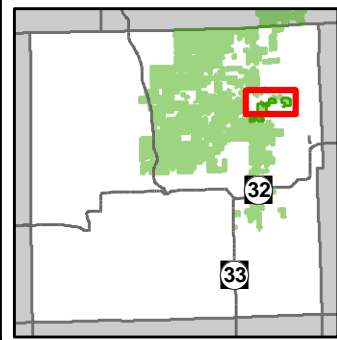


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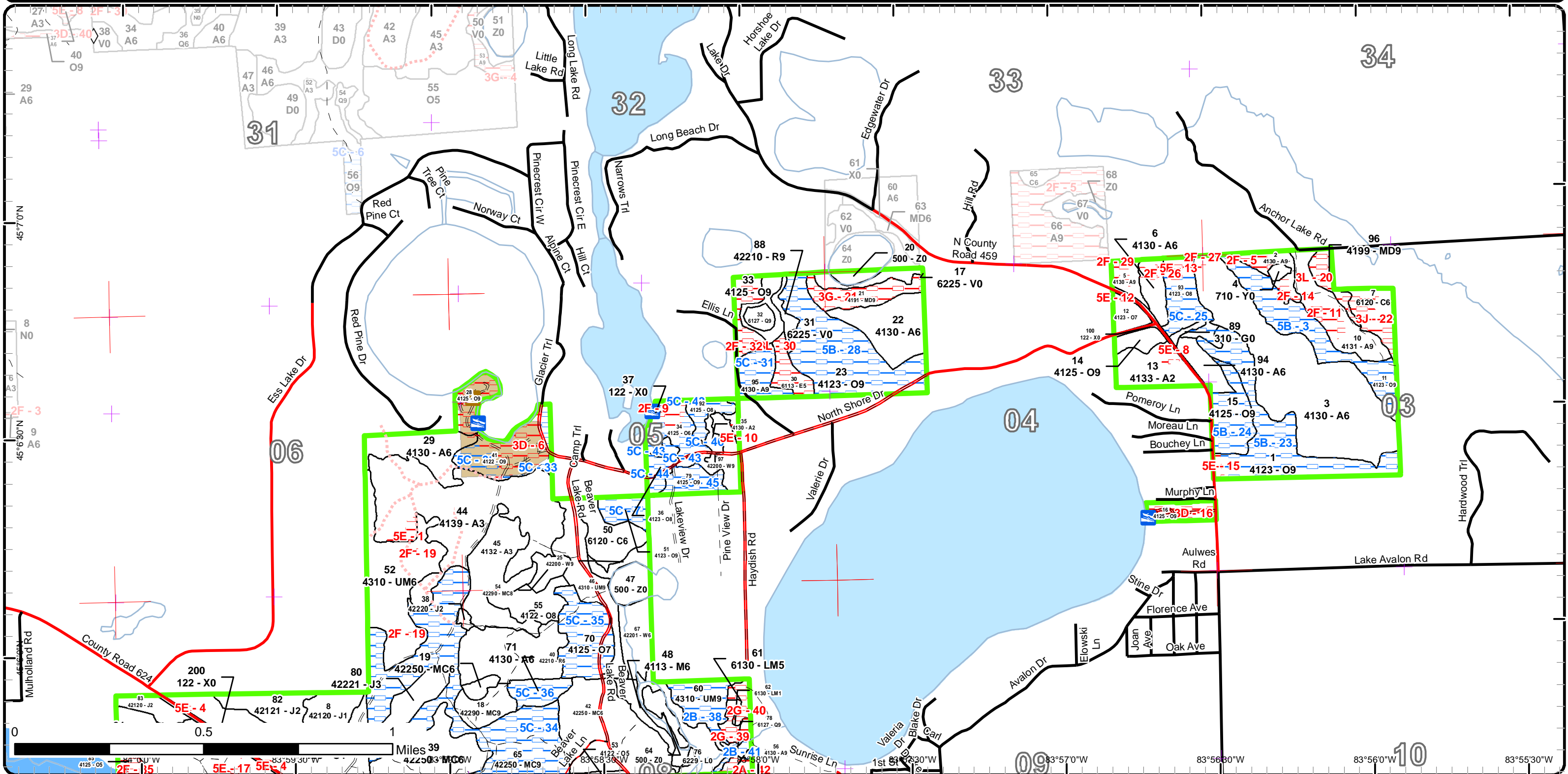


Special Conservation Areas & Site Conditions Map

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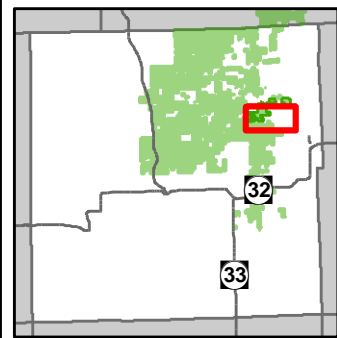


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2B: Unknown if access through adjacent landowner(s) is possible
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2A: Adjacent landowner denied access
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3D: Recreational / Scenic values
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- State Forest Campground

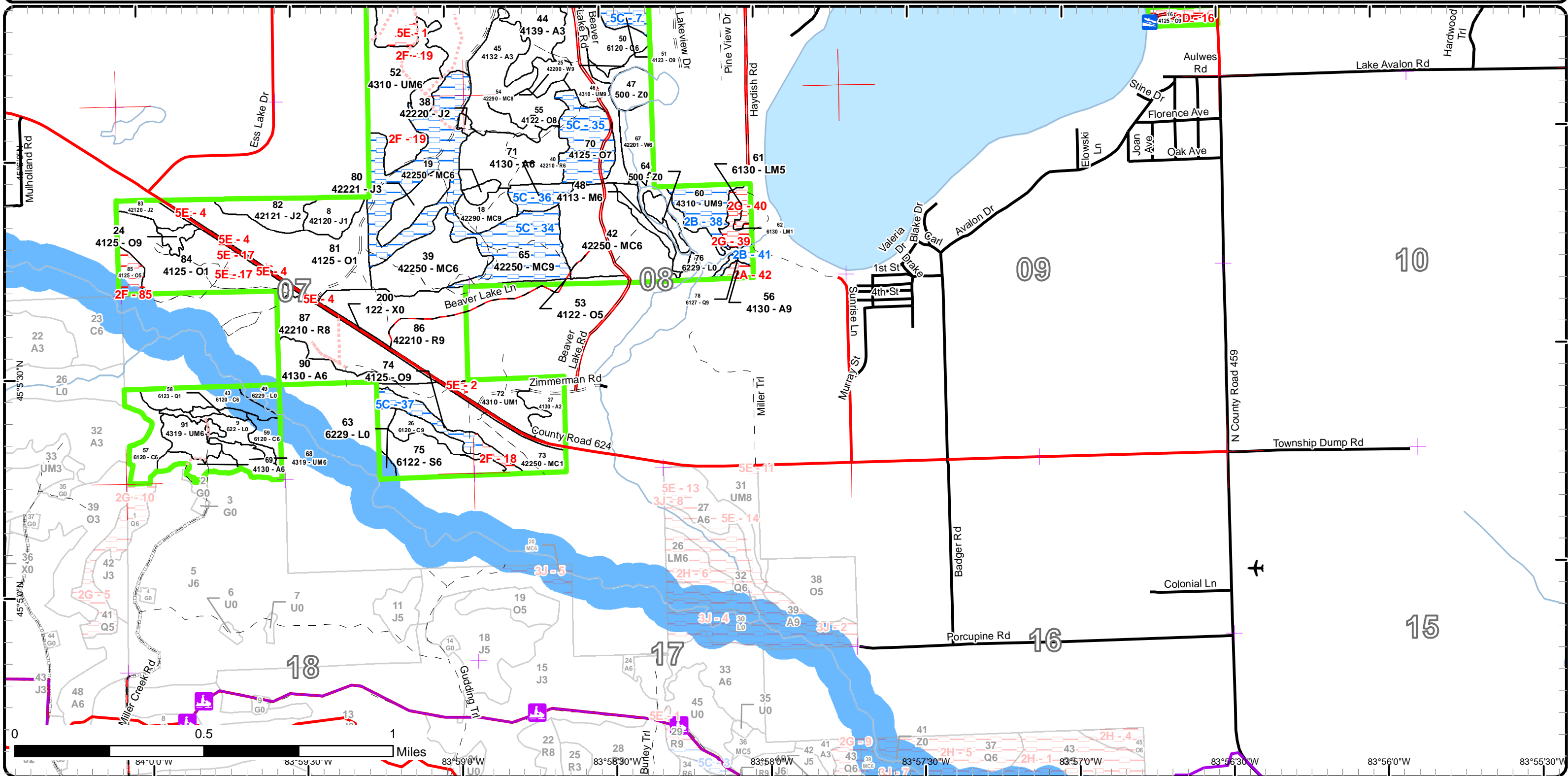


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- 2B: Unknown if access through adjacent landowner(s) is possible
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2A: Adjacent landowner denied access
- 2F: Too steep



Richard Barber : 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	89	23	102	17	24	0	0	2	0	50	0	0	0	0	0	0	0	307
Bog	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Cedar	0	0	0	0	0	0	0	0	0	0	17	9	0	0	25	0	0	0	51
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Jack Pine	0	0	24	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Lowland Conifers	0	0	0	2	0	0	0	0	2	0	3	0	0	0	0	0	0	0	7
Lowland Deciduous	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Lowland Mixed Forest	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Lowland Shrub	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	17
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	15
Natural Mixed Pines	0	22	0	0	0	0	0	0	135	4	0	0	0	0	0	0	0	0	161
Northern Hardwood	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4
Oak	0	72	0	0	0	0	0	0	70	26	150	0	0	0	0	0	0	0	318
Red Pine	0	0	0	0	0	0	0	69	0	3	0	0	0	0	0	0	0	0	72
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Upland Mixed Forest	0	12	0	9	6	0	0	0	11	32	0	0	0	0	0	0	0	16	85
Urban	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Water	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
White Pine	0	0	0	0	0	0	0	0	8	14	0	0	0	0	0	0	0	0	22
Total	60	195	47	122	23	24	0	0	289	45	311	9	0	0	25	0	0	16	1165



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2018

Acres of Harvest

Compartment 55

Total Compartment Acres: 1,166

Commercial Harvest - 165
 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	50	0	0	0	0	0	0	0	0	50
Lowland Spruce/Fir	15	0	0	0	0	0	0	0	0	15
Natural Mixed Pines	60	0	0	0	0	0	0	0	0	60
Oak	9	0	0	0	0	0	0	0	0	9
Upland Mixed Forest	31	0	0	0	0	0	0	0	0	31
Total	165	0	0	0	0	0	0	0	0	165

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	165	0	0	0	0	0	0	0	0	165
Next Step	0	121	60	0	0	60	225	0	0	466
Total	165	121	60	0	0	60	225	0	0	631



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
10	54055010-Cut	12.2	4131 - Aspen, Oak	Sawtimber Well	90	111-140	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Specs: CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species mix as a whole.

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

Acceptable Regen: Acceptable regeneration is any combination of aspen, oak, pine, or maple resulting in a medium or well stocked stand.

Other Comment: Use Atlanta grouse spec. 5.2.4.4.

Proposed Start Date: 10/01/2017

29	54055029-CCR	14.2	4130 - Aspen	Poletimber Well	92	Unspecified	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Specs: CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species mix as a whole. Winter Harvest only.

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

Acceptable Regen: Acceptable regeneration is any combination of aspen, oak, maple or pine, resulting in a medium or well stocked stand.

Other Comment: Use Atlanta grouse spec. 5.2.4.4. Protect gravel campground road during sale.

Proposed Start Date: 10/01/2017

39	54055039-CCR	23.9	42250 - Pine, Oak	Poletimber Well	78	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Specs: CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species mix as a whole. Tops must be chipped within 3 months of the parent stem's severance from the stump. Re-plant red pine.

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

Acceptable Regen: Acceptable regeneration is any combination of red pine, white pine, oak, birch, or aspen, resulting in a medium or well stocked stand incontrovertibly dominated by unsuppressed red pine.

Other Comment: Protect gravel campground road during sale.

Proposed Start Date: 10/01/2017

42	54055042-CCR	36.4	42250 - Pine, Oak	Poletimber Well	78	111-140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Specs: CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species mix as a whole. Tops must be chipped within 3 months of the parent stem's severance from the stump. Re-plant red pine. TMS may exclude areas of high white pine regeneration.

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

Acceptable Regen: Acceptable regeneration is any combination of red pine, white pine, oak, white pine, or aspen, resulting in a medium or well stocked stand incontrovertibly dominated by unsuppressed red pine. EXCEPTION: excluded areas of white pine.

Other Comment:

Proposed Start Date: 10/01/2017



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
52	54055052-CCR	30.9	4310 - Pine, Oak Mix	Poletimber Well	92	51-80	Harvest	Clearcut with Retention	4122 - Oak, Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species mix as a whole.

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

Acceptable Regen: Acceptable regeneration is any combination of oak, pine, maple or aspen resulting in a medium or well stocked stand.

Other Comment: Protect gravel campground road during sale.

Proposed Start Date: 10/01/2017

55	54055055-CC	9.1	4122 - Oak, Pine	Sawtimber Medium	92	51-80	Harvest	Clearcut	4122 - Oak, Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CC. Protect natural regen during harvest
Specs:

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

Acceptable Regen: Acceptable regeneration is any combination of oak, pine, maple or aspen resulting in a medium or well stocked stand.

Other Comment: Protect gravel campground road during sale.

Proposed Start Date: 10/01/2017

71	54055071-CCR	23.7	4130 - Aspen	Poletimber Well	40	1-50	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species mix as a whole. Protect natural regen during harvest
Specs:

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

Acceptable Regen: Acceptable regeneration is any combination of aspen, oak, pine, or maple resulting in a medium or well stocked stand.

Other Comment: Use Atlanta grouse spec. 5.2.4.4. Protect gravel campground road during sale.

Proposed Start Date: 10/01/2017

75	54055075-CCR	14.5	6122 - Black Spruce	Poletimber Well	90	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species mix as a whole.
Specs:

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

Acceptable Regen: Any combination of spruce, cedar, fir, maple, aspen, tamarack, or birch resulting in a medium or well stocked stand.

Other Comment:

Proposed Start Date: 10/01/2017

Total Treatment Acreage Proposed: 164.9

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 55
Year of Entry: 2018

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions											
		With Condition				2B	5B	5C	2A	2F	2G	3D	3G	3J	3L	5E	
306	280	9		17	Aspen			9	2	11		0					4
9	9	0		0	Bog												
52	45	0		7	Cedar									7			
1	1	0		0	Herbaceous Openland												
33	33	0		0	Jack Pine												
7	5	2		0	Lowland Conifers	2											
6	0	0		6	Lowland Deciduous											6	
7	0	0		7	Lowland Mixed Forest					7							
25	25	0		0	Lowland Shrub												
17	17	0		0	Lowland Spruce/Fir												
15	0	0		15	Mixed Upland Deciduous							10				5	
161	96	65		0	Natural Mixed Pines			65									
4	4	0		0	Northern Hardwood												
319	93	177		49	Oak		107	70		18		24					7
72	65	6		0	Red Pine			6									
1	1	0		0	Sand, Soil												
85	72	11		2	Upland Mixed Forest	11			1								1
11	11	0		0	Urban												
13	13	0		0	Water												
22	22	0		0	White Pine												
1,166	792	270		104	Total Forested Acres	13	107	150	2	30	7	24	10	7	11		12
	68%	23%		9%	Relative Percent												

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond	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
Comments:							
2	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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3	Available	5B: Maintain for regeneration purposes	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3D: Recreational / Scenic values	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2F: Too steep	5	3J: Water quality / BMPs (stream, river, or lake)	3B: Threatened, endangered, and special concern species/communities	Unspecified	Unspecified
Comments:							

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10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	3	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3D: Recreational / Scenic values	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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18	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	3L: Other wildlife concerns	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Vernal pond complex							
21	Unavailable	3G: Other Influence zones - See comments	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: free flowing stream							
23	Available	5B: Maintain for regeneration purposes	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	5B: Maintain for regeneration purposes	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Available	5B: Maintain for regeneration purposes	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	3L: Other wildlife concerns	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: cascading vernal pond complex and broad wet drainage.							
31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							

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32	Unavailable	2F: Too steep	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	65	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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38	Available	2B: Unknown if access through adjacent landowner(s) is possible	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
41	Available	2B: Unknown if access through adjacent landowner(s) is possible	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	2A: Adjacent landowner denied access	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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Year of Entry: 2018

44	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
45	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
85	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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



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	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.

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Atlanta Mgt. Unit

Report 7 – Forested Stands

Compartment: 55
Year of Entry: 2018

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4123 - Red Oak	Sawtimber Well	33.6	79	51-80	
4130 - Aspen	Sawtimber Well	6.0	90		
4130 - Aspen	Poletimber Well	71.0	26	Unspecified	
4130 - Aspen	Sawtimber Well	4.2	91	Unspecified	
4130 - Aspen	Poletimber Well	6.2	26	Unspecified	
6120 - Lowland Cedar	Poletimber Well	9.4	101		stream flowing to north
42120 - Planted Jack Pine	Sapling Poor	8.0	15	Immature	Cut 1997, seeded 2000. More open than stand 82.
4131 - Aspen, Oak	Sawtimber Well	16.2	90	111-140	balsam fir on east edge of stand
4123 - Red Oak	Sawtimber Well	22.9	90	111-140	
4123 - Red Oak	Sawtimber Poor	4.4	79	1-50	Left oak, red pine, and white pine. Stand harvested Fall 2009, part of Calamine Corner. Sale #54-038-08-01.
4133 - Aspen, Mixed Pine	Sapling Medium	12.7	7	1-50	PARVVb. Stand was harvested Fall of 2009, part of Calamine Corner. Sale #54-038-08-01.
4125 - Black, N. Pin Oak	Sawtimber Well	3.9	79	111-140	PARVVb. Stand was harvested Fall of 2009, part of Calamine Corner. Sale #54-038-08-01.
4125 - Black, N. Pin Oak	Sawtimber Well	12.7	79	81-110	
4125 - Black, N. Pin Oak	Sawtimber Well	5.8	96	111-140	LAKE AVALO PUBLIC ACCESS SITE
42290 - Natural Mixed Pine	Sawtimber Well	7.7	78	81-110	
42250 - Pine, Oak	Poletimber Well	2.4	78	81-110	
4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	10.2	95	81-110	Buffer on Little Dollar Lake.
4130 - Aspen	Poletimber Well	18.1	26		

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Atlanta Mgt. Unit

Report 7 – Forested Stands

Compartment: 55
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	4123 - Red Oak	Sawtimber Well	38.4	95	81-110	
24	4125 - Black, N. Pin Oak	Sawtimber Well	2.8	91	51-80	
25	42200 - Natural White Pine	Sawtimber Well	3.5	92	81-110	multiple legacy trees
26	6120 - Lowland Cedar	Sawtimber Well	6.0	90	Unspecified	
27	4130 - Aspen	Sapling Medium	9.9	6	Immature	Sale cut on 54-043-08-01, The Ivy Coast.
28	4125 - Black, N. Pin Oak	Sawtimber Well	7.4	92	51-80	ESS LAKE CAMPGROUND.
29	4130 - Aspen	Poletimber Well	14.5	92	Unspecified	
30	6113 - Lowland Maple	Poletimber Medium	6.0	96		OPIC - FMD: UNIQUE FOR THIS COMPARTMENT-ACCESS DIFFICULT. Drainage and Wildlife travel corridor.
32	6127 - Lowland Pine	Sawtimber Well	2.8	91	111-140	something of a treed bog
33	4125 - Black, N. Pin Oak	Sawtimber Well	7.1	95	81-110	
34	4125 - Black, N. Pin Oak	Poletimber Well	10.4	86	51-80	OPIC - FMD: CONSIDER W.P. MGMT
35	4130 - Aspen	Sapling Medium	3.6	6		
36	4123 - Red Oak	Sawtimber Medium	4.8	86	51-80	not highest quality oak
38	42220 - Natural Jack Pine	Sapling Medium	1.0	15	Immature	
39	42250 - Pine, Oak	Poletimber Well	23.9	78	81-110	
40	42210 - Natural Red Pine	Poletimber Well	6.3	78	111-140	
41	4122 - Oak, Pine	Sawtimber Well	18.7	92	51-80	ESS LAKE CAMPGROUND.
42	42250 - Pine, Oak	Poletimber Well	36.4	78	111-140	

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Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
6120 - Lowland Cedar	Poletimber Well	11.2	132	Unspecified	
4139 - Aspen, Mixed Deciduous	Sapling Well	63.0	6	Immature	There are areas where rm really dominates.
4132 - Aspen, Jack Pine	Sapling Well	22.8	19	Immature	Cut 1997, seeded 2000. Unsuccessful site prep.
4310 - Pine, Oak Mix	Sawtimber Well	16.3	92	51-80	
4113 - R.Maple, Conifer	Poletimber Well	4.2	78	51-80	
6120 - Lowland Cedar	Poletimber Well	11.4	92	51-80	A mix of cedar, wetlands, and a higher area with some white pine.
4123 - Red Oak	Sawtimber Well	6.0	95	81-110	legacy trees to 36 inches
4310 - Pine, Oak Mix	Poletimber Well	31.9	92	51-80	
4122 - Oak, Pine	Poletimber Medium	3.2	78	51-80	
42290 - Natural Mixed Pine	Sawtimber Medium	4.2	92	51-80	
4122 - Oak, Pine	Sawtimber Medium	9.1	92	51-80	
4130 - Aspen	Sawtimber Well	1.9	71	Unspecified	new illegal road
6120 - Lowland Cedar	Poletimber Well	9.4	132	Unspecified	
6123 - Lowland Fir	Sapling Poor	2.0	26	Immature	
6120 - Lowland Cedar	Poletimber Well	4.4	132	Unspecified	
4310 - Pine, Oak Mix	Sawtimber Well	11.4	87	81-110	
6130 - Fir, Aspen, Maple	Poletimber Medium	2.9	71		
6130 - Fir, Aspen, Maple	Sapling Poor	3.7	71		Pinkerton Pond.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
65	42250 - Pine, Oak	Sawtimber Well	64.7	78	111-140	
67	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	10.2	92	81-110	cedar stand wt south flowing stream on west edge
68	4319 - Mixed Upland Forest	Poletimber Well	5.6	38	1-50	
69	4130 - Aspen	Poletimber Well	5.8	38	Unspecified	
70	4125 - Black, N. Pin Oak	Sawtimber Poor	17.9	92	1-50	
71	4130 - Aspen	Poletimber Well	23.7	40	1-50	OPIC - FMD: This stand is a collection of smaller "standlets" left over from previous operations. The common themes are PArVHa, aspen and oak. However, age, DBH and BA vary widely for each species. Aspen runs 15-30 years old over most of the stand, but older near Beaver Lake Road. The oak runs 40-80 and is mostly older. This is the higher end of PArVHa. A2Mr2O1W2. Managing for Aspen.
72	4310 - Pine, Oak Mix	Sapling Poor	11.7	6	Immature	OPIC - FMD: PVCd to PArVHa. Acceptable regeneration is any combination of jack pine, red pine, white pine, oak, or aspen which results in medium or full stocking. Do not cut red pine or white pine, if present. Sale cut on 54-043-08-01, The Ivy Coast.
73	42250 - Pine, Oak	Sapling Poor	21.9	6	Immature	Sale cut on 54-043-08-01, The Ivy Coast.
74	4125 - Black, N. Pin Oak	Sawtimber Well	8.9	98	81-110	PVCd to PArVHa. Steepish, but operable.
75	6122 - Black Spruce	Poletimber Well	17.1	90	81-110	SPRUCE ALONG BRUSH CREEK.
78	6127 - Lowland Pine	Sawtimber Well	2.0	71	51-80	
79	4125 - Black, N. Pin Oak	Sawtimber Well	6.6	86	51-80	parvha pvcd site
80	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Well	9.2	26	Immature	
81	4125 - Black, N. Pin Oak	Sapling Poor	39.0	6	Immature	PVCd to PArVHa. Sale cut on 54-043-08-01, The Ivy Coast. Aspen percent may increase over time
82	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Medium	9.9	15	Immature	Cut 1997, seeded 2000.
83	42120 - Planted Jack Pine	Sapling Medium	5.1	15	Immature	Cut 1997, seeded 2000.

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Atlanta Mgt. Unit

Report 7 – Forested Stands

Compartment: 55
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
84	4125 - Black, N. Pin Oak	Sapling Poor	33.4	8	Immature	CC in 2008-- TS 54-036-08-01. A little sparse E end.
85	4125 - Black, N. Pin Oak	Poletimber Medium	4.5	91	51-80	: PVCd to PARVHa. . Steep slopes down to Brush Creek.
86	42210 - Natural Red Pine	Sawtimber Well	37.9	76	111-140	
87	42210 - Natural Red Pine	Sawtimber Medium	25.1	76	81-110	
88	42210 - Natural Red Pine	Sawtimber Well	2.6	95	141-170	
90	4130 - Aspen	Poletimber Well	11.4	38	51-80	
91	4319 - Mixed Upland Forest	Poletimber Well	8.5	26	51-80	
92	4125 - Black, N. Pin Oak	Sawtimber Medium	4.6	86	51-80	
93	4123 - Red Oak	Sawtimber Medium	13.0	79	111-140	
94	4130 - Aspen	Poletimber Well	6.2	26	Unspecified	legacy wp and rp
95	4130 - Aspen	Sawtimber Well	8.6	95	Unspecified	
96	4199 - Other Mixed Upland Deciduous	Sawtimber Well	4.9	90	111-140	odd, slightly rolling stand with cedar ringed vernal ponds
97	42200 - Natural White Pine	Sawtimber Well	8.3	86	111-140	



Stand	Cover Type	Acres	Managed Site	General Comments:
4	710 - Sand, Soil	1.2	No	RDR site. Illegal ORV hill climb.
9	622 - Lowland Shrub	6.4	No	scatt balsam poplar.
17	6225 - Bog	4.4	No	
20	500 - Water	2.3	No	DOLLAR LAKE
31	6225 - Bog	4.7	No	mix of leather leaf cattails tag alder and water
37	122 - Road/Parking Lot	0.2	No	LONG LAKE PUBLIC ACCESS SITE
47	500 - Water	6.4	No	Beaver Lake
49	6229 - Mixed lowland shrub	3.4	No	
63	6229 - Mixed lowland shrub	1.5	No	
64	500 - Water	3.9	No	
76	6229 - Mixed lowland shrub	13.4	No	OPIC - FMD: Pinkerton Pond.
89	310 - Herbaceous Openland	1.0	No	
100	122 - Road/Parking Lot	2.7	No	Co. Rd. 459 and North Shore Drive.
200	122 - Road/Parking Lot	7.8	No	Co. Rd. 612.