



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54013

Entry Year 2023

Acreage: 2,315

County Montmorency

Management Area: Avery Hills

Revision Date: 2021-06-03

Stand Examiner: Richard Barber

Legal Description:

T29N, R2E, Sec. 25, 26, 27, 34, 35, &36.

Identified Planning Goals:

The Hunt Creek Research Station. By 1932 commission order, the Hunt Creek Fisheries Research Area was set up to study brook trout habitat. Sustainable cold water flow is the main objective of the research.

Soil and topography:

: Rubicon and Roselawn sand to Emmet loamy sand on upland areas. Rifle Peat and Lupton muck are the main types for lowland areas. There are many springs and seeps with small tributaries to Fuller, Suttons, Larry's, and Hunt Creeks. Streams generally run from southwest to northeast with the rolling oak hills along many stream zones.

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

There are a few permanent residences, but mostly seasonal and recreational use.

Unique Natural Features:

One or more reports.

Archeological, Historical, and Cultural Features:

One or more reports.

Special Management Designations or Considerations:

Bushman Swamp ERA is partially in this compartment. Also, cold water stream and brook trout research.

Watershed and Fisheries Considerations:

Stream corridors are to be protected and road density is to be kept to a minimum. Any erosion to streams, springs, or seeps should be avoided. Fisheries Div. has no issues with proposed treatments as they are outside the 300' coldwater stream buffers.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

An open sand/gravel pit is located in Section 22 (State-owned Vondette Road Pit), less than one mile north of the compartment, and there appears to be some sand & gravel potential in the compartment, but it could be difficult to avoid oil & gas infrastructure. This area has been developed for and is producing gas from the Antrim Shale. Most of the State-owned mineral rights are currently leased and held by production. Due to the persistent low price of natural gas, there is unlikely to be any additional Antrim development in the compartment in the near future, and there is no known potential for hydrocarbon production from other proven formations. There is no known metallic mineral potential in this part of the state. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Most roads are closed due to the trout research area.

Survey Needs:

Some may be needed for timber sale.

Recreational Facilities and Opportunities:

The Hunt Creek MCCCT, hunting and mushroom picking. The compartment is mostly closed to fishing.

Fire Protection:

Lewiston VFD and MDNR.

Additional Compartment Information:

The following reports from the Inventory are attached:

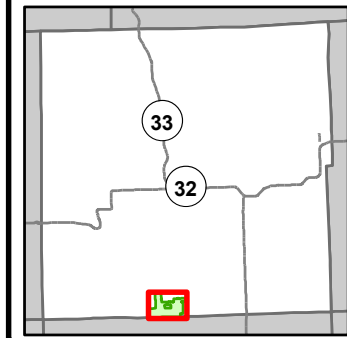
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

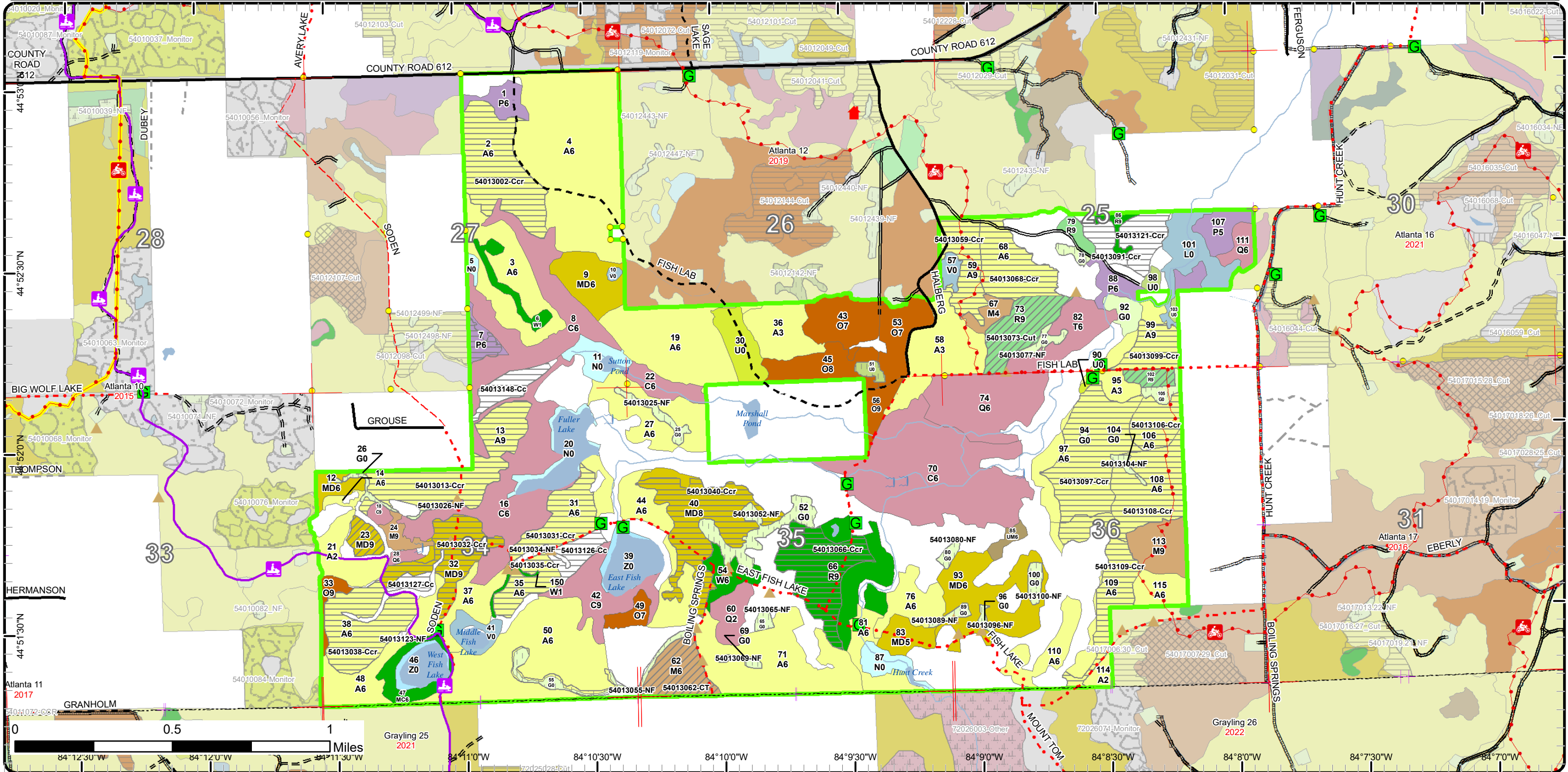
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 13
 T29N, R02E, Sec. 25-27, 33-36
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Avery Hills
 YOE: 2023
 Acres: 2314.7 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 10/7/2021
 Map Phase: Post-Review

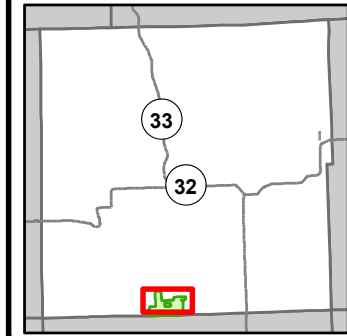


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🏍️ Motorcycle Trails (DNR License)
- 🏍️ Snowmobile Trails
- ORV License & Trail Permit
- Designated Snowmobile Trails
- 🏠 Cabin
- ▲ Berms
- G Gate
- Culvert
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Opening Maintenance
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

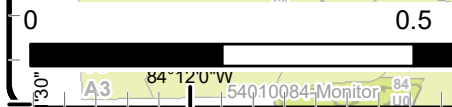
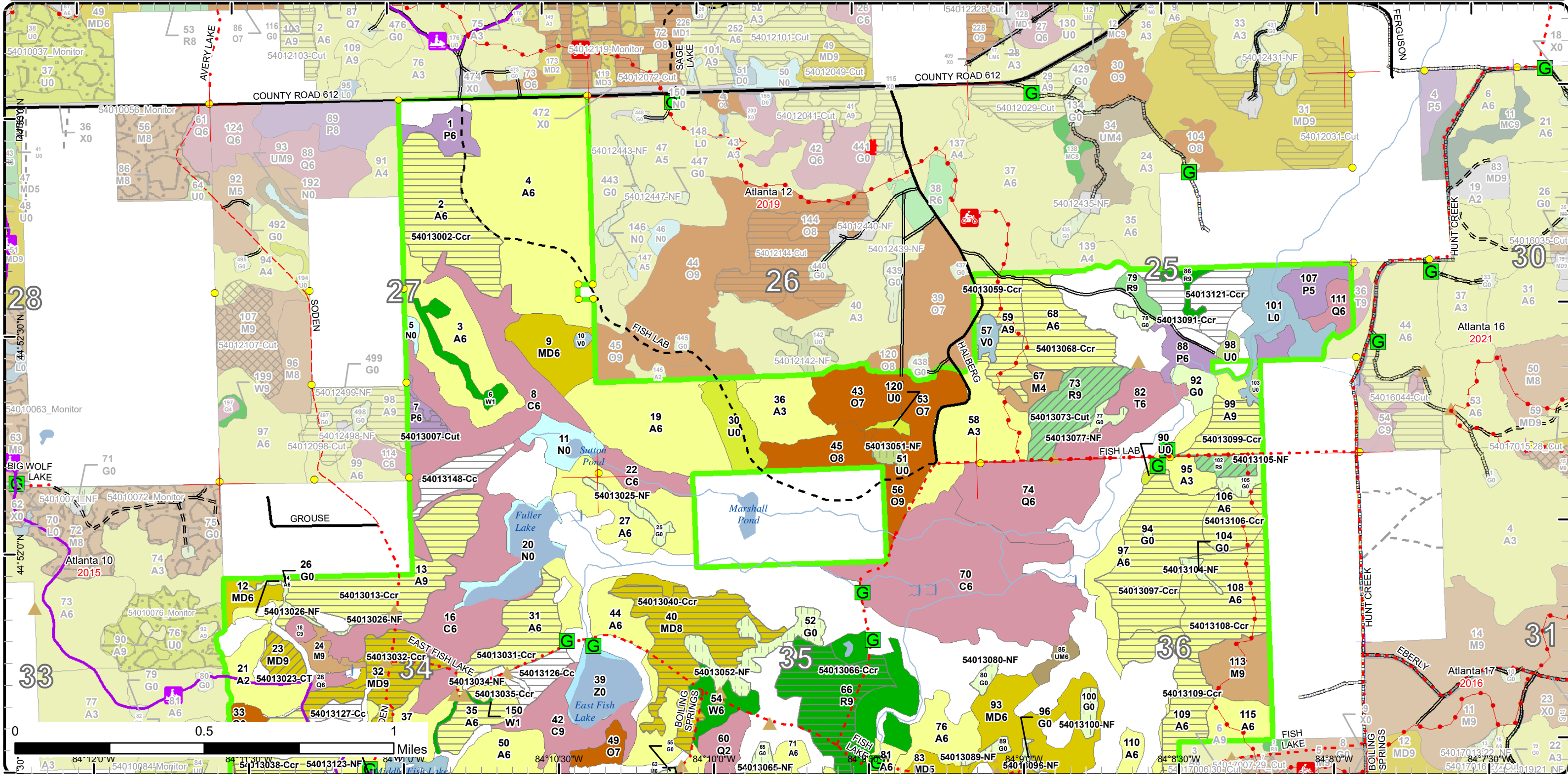


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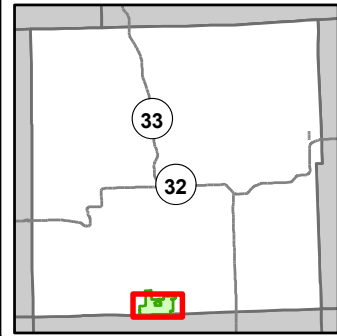


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- 122 - Roads/Parking Lot

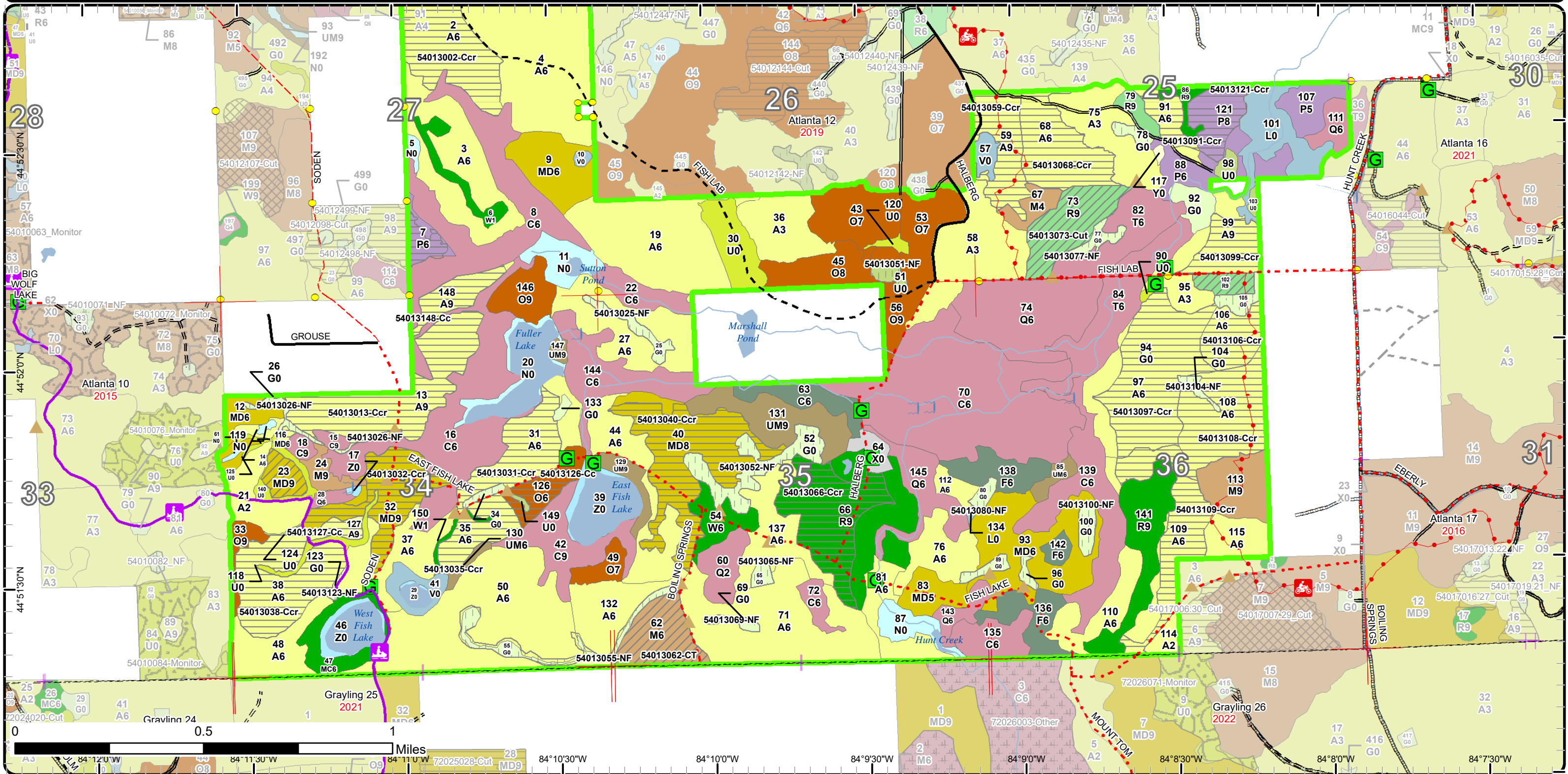


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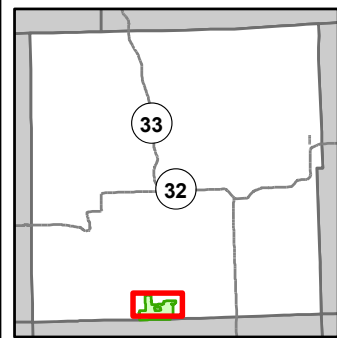


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|--|-------------------------------------|-----------------------------------|--------------------------|
| — Miris Corners | ● ORV License & Trail Permit | ■ 412 - Oak Types | ■ 623 - Emergent Wetland |
| ⊕ Remonumented Section Corners | — Designated Snowmobile Trails | ■ 413 - Aspen | ■ 710 - Sand/Soil |
| ● Survey Grade Corners | ▲ Berms | ■ 419 - Mixed Upland Deciduous | |
| ⊠ Counties | Ⓜ Gate | ■ 421 - Planted Pines | |
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| == DNR - Forest Access Route | — Intermittent Stream | ■ 423 - Other Upland Conifers | |
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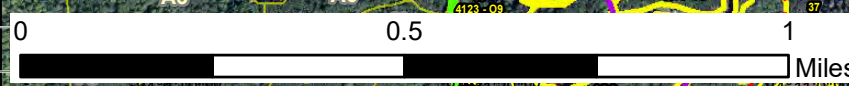
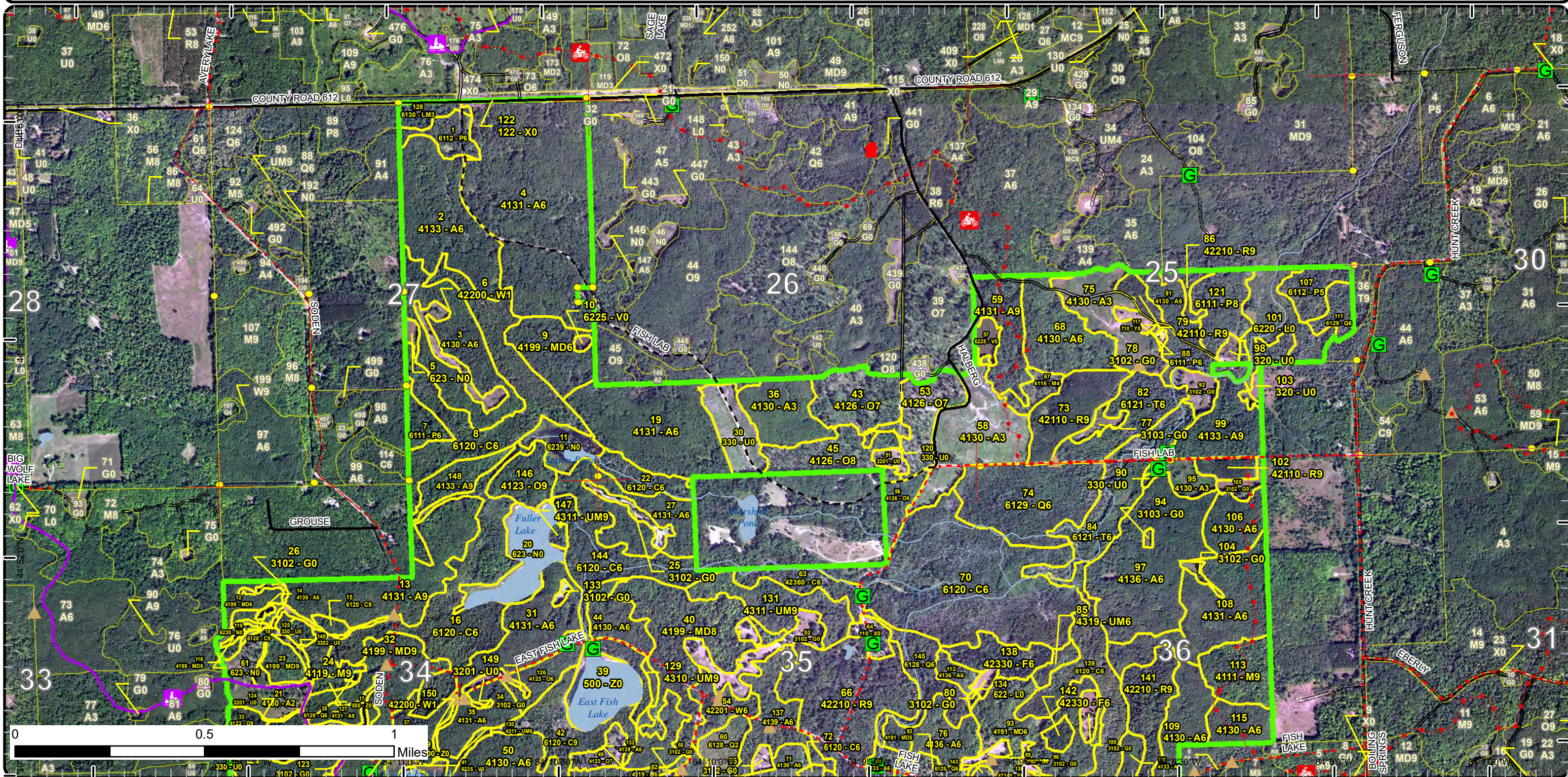


Stand Boundary Map

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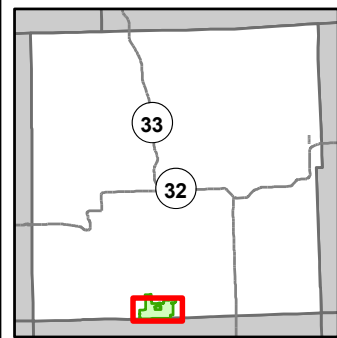


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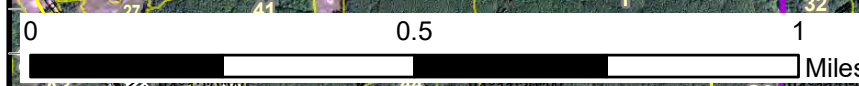
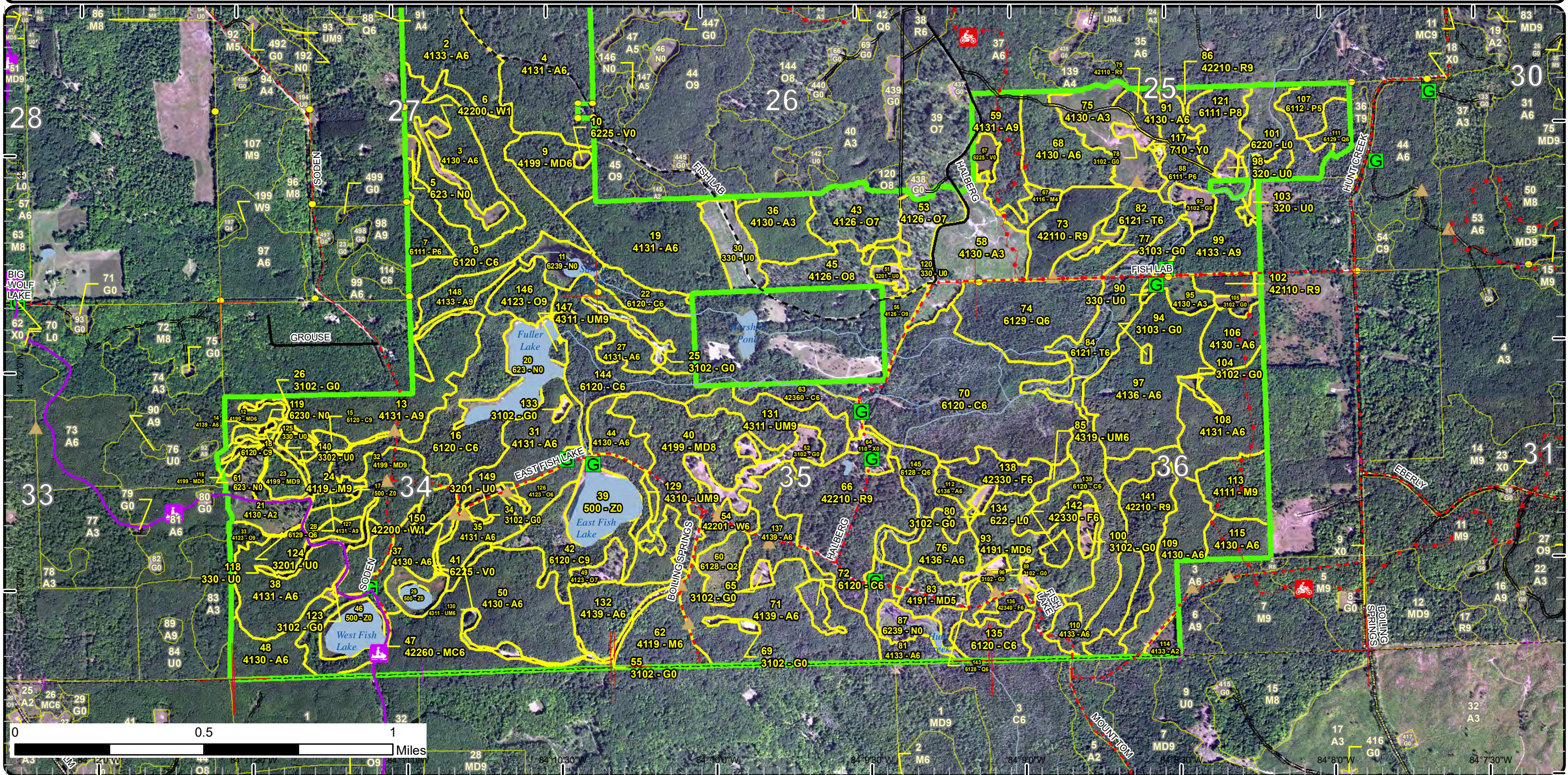
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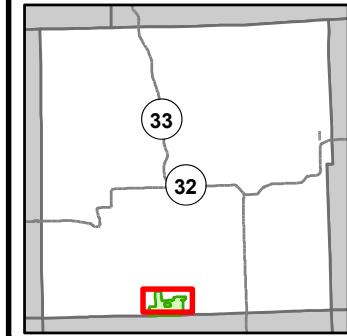
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28 27 26 25 30
 33 34 35 36 31
 0 0.5 1 Miles
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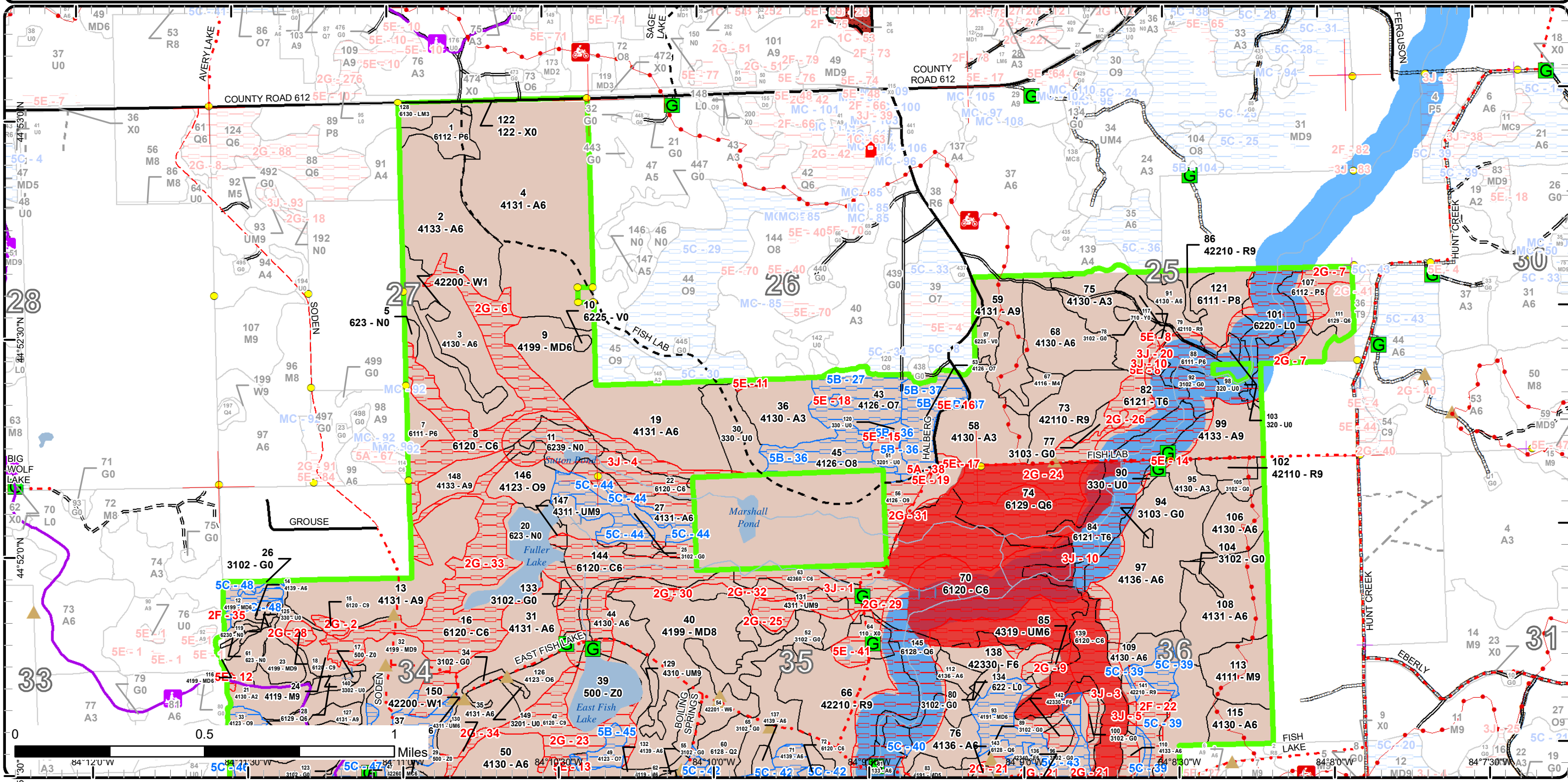
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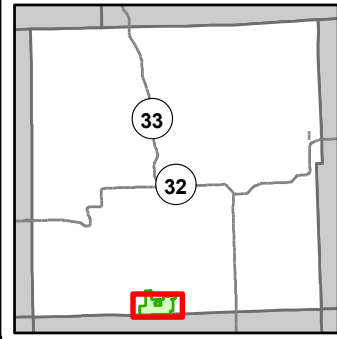
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- Compartment Boundary
- Available w/ Constraints

- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Cold Water Streams
- High Priority Trout Stream Buffer
- Research, Development, and Military Lands
- Habitat Corridor

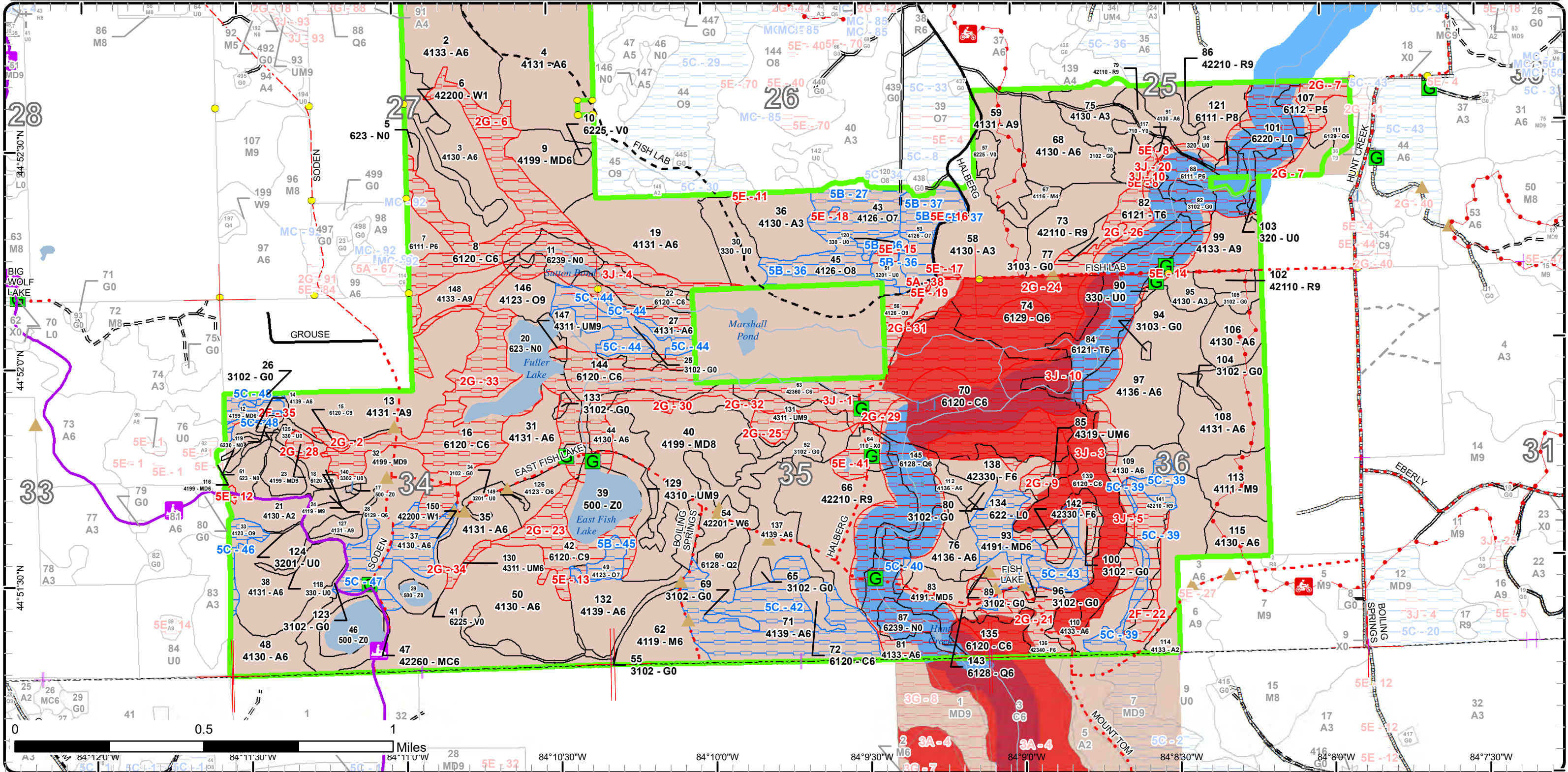


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Report 1 – Total Acres by Cover Type and Age Class



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	63	0	21	210	405	261	47	0	0	0	0	0	0	0	0	0	23	1030
Bog	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Cedar	0	0	0	0	0	0	0	0	0	15	0	3	270	0	52	0	0	0	340
Herbaceous Openland	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
Low-Density Trees	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Lowland Aspen/Balsam Poplar	0	0	0	0	9	14	18	0	0	0	0	0	0	0	0	0	0	0	41
Lowland Conifers	0	0	0	11	0	0	0	13	0	60	0	0	0	0	2	0	0	0	86
Lowland Mixed Forest	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Shrub	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Marsh	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Mixed Upland Deciduous	0	0	0	0	0	58	10	0	7	0	85	0	0	0	0	0	0	0	160
Natural Mixed Pines	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	11
Northern Hardwood	0	0	0	0	0	6	0	0	20	0	5	18	0	0	0	0	0	0	49
Oak	0	0	0	0	0	0	0	0	0	37	52	0	0	0	0	0	0	12	101
Red Pine	0	0	0	0	0	0	32	0	0	84	4	0	0	0	0	0	0	0	120
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Tamarack	0	0	0	0	0	0	0	0	0	53	0	0	0	0	0	0	0	0	53
Upland Mixed Forest	0	0	0	0	0	26	2	0	0	0	2	6	0	0	0	0	0	0	36
Upland Shrub	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Upland Spruce/Fir	0	0	0	0	0	16	13	0	0	0	0	0	0	0	0	0	0	0	29
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
White Pine	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	9	19
Total	219	63	0	32	225	536	336	60	27	249	158	27	270	0	54	0	0	44	2300



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 13

Year of Entry: 2023

Acres of Harvest

Total Compartment Acres: 2,315

Commercial Harvest - 529
 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	341	0	0	0	0	0	0	0	0	341
Lowland Aspen/Balsam Poplar	19	0	0	0	0	0	0	0	0	19
Mixed Upland Deciduous	71	0	0	0	7	0	0	0	0	78
Northern Hardwood	0	0	0	0	20	0	0	0	0	20
Oak	9	0	0	0	0	0	0	0	0	9
Red Pine	36	0	0	0	27	0	0	0	0	63
Total	475	0	0	0	54	0	0	0	0	529

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	529	0	0	0	0	0	0	64	0	593
Next Step	0	36	36	0	0	71	511	0	0	653
Total	529	36	36	0	0	71	511	0	64	1245



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

2	54013002-Ccr	43.8	4133 - Aspen, Mixed Pine	Poletimber Well	41		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. 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 overall mix. Use grouse spec 5.2.4.7, 12" minimum diameter fully merchantable tree, one per two acres.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple, fir.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
13	54013013-Ccr	44.1	4131 - Aspen, Oak	Sawtimber Well	56	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Retain 3 to 10 percent of treatment area in one or more patches, which may include 100' buffers around vernal ponds. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres. Consider shortwood due to steep slopes.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple, fir.</p> <p><u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection. No weekend hauling on snowmobile trail December 1st to April 1.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
23	54013023-CT	6.6	4199 - Other Mixed Upland Deciduous	Sawtimber Well	77	111-140	Harvest	Crown Thinning	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Crown thin, releasing best tree in place. Reduce BA to 80. Shortwood only.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection. Do not plow snow off of trail. No weekend operations on snowmobile trail December 1 through April 1. May be necessary to prohibit operations during snowmobile season due to slipperiness of steep hills on trail.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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25	54013025-NF	4.6	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

26	54013026-NF	3.1	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Follow standards for including a buffer along stands with sensitive soils.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

31	54013031-Ccr	22.5	4131 - Aspen, Oak	Poletimber Well	57	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Clearcut with retention. Retain whatever lands in the coldwater stream buffer, not to exceed 10 percent of treatment area. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.

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

Acceptable Regen: Aspen, oak, pine, maple, fir.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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32	54013032-Ccr	26.5	4199 - Other Mixed Upland Deciduous	Sawtimber Well	92	111-140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Specs: Clearcut with Retention. 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 overall mix. Consider shortwood due to steep slopes.

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

Acceptable Regen: Aspen, maple, oak, fir, birch, pine.

Other Comment: Use current, standard trail specs for safety and infrastructure protection. No operations on snowmobile trail December 1 through April 1.

Site Condition

Proposed Start Date: 10/1 /2022

34	54013034-NF	1.6	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

35	54013035-Ccr	14.0	4131 - Aspen, Oak	Poletimber Well	55	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Clearcut with retention. 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 overall mix. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.

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

Acceptable Regen: Aspen, oak, pine, maple, fir.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
38 54013038-Ccr	35.5	4131 - Aspen, Oak	Poletimber Well	51	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. 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 overall mix. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres. Consider shortwood due to steep slopes.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple, fir.</p> <p><u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
40 54013040-Ccr	44.8	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	94	1-50	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> CCR. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep, but will include a portion of a cold water stream buffer that intersects the treatment.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Oak, aspen, maple, fir, birch, pine.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
51 54013051-NF	2.7	3201 - Sweet Fern	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
52	54013052-NF	15.5	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
55	54013055-NF	10.6	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
59	54013059-Ccr	20.7	4131 - Aspen, Oak	Sawtimber Well	60	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Clearcut with retention. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be along the east edge of stand 57. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Aspen, oak, pine, maple.</p> <p><u>Other Comment:</u> Use current, standard trail specs for safety and infrastructure protection. Consider rerouting trail into the retention along stand 57, keeping trail on high ground.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
62	54013062-CT	19.8	4119 - Mixed Northern Hardwoods	Poletimber Well	71	111-140	Harvest	Crown Thinning	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription Specs:</u> Crown release best tree in place. Reduce BA to 80. Beech bark disease present.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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65	54013065-NF	2.0	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

66	54013066-Ccr	35.5	42210 - Natural Red Pine	Sawtimber Well	81	111-140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
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Prescription Specs: Clearcut with retention. Retain 3 to 10 percent of treatment area in one or more patches. Location has already been excluded from treatment boundary. Tops must be chipped within 3 months of the parent stem's severance from the stump unless other arrangements are made. Re-plant red pine. six-inch stump height.

Next Step Treatments: Pesticide, Aerial - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release; Monitoring, Artificial Regen(3yr)

Acceptable Regen: planted red pine.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

68	54013068-Ccr	27.4	4130 - Aspen	Poletimber Well	46		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Clearcut with retention. 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 overall mix. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.

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

Acceptable Regen: Aspen, oak, pine, maple.

Other Comment: Use current, standard trail specs for safety and infrastructure protection. Consider rerouting trail into the retention along stand 57 (in stand 59), keeping trail on high ground.

Site Condition

Proposed Start Date: 10/1 /2022



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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69	54013069-NF	1.8	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

73	54013073-Cut	21.7	42110 - Planted Red Pine	Sawtimber Well	53	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Reduce BA to 120, crown releasing best tree..

Next Step
Treatments:

Acceptable
Regen:

Other Use current, standard trail specs for safety and infrastructure protection.
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

77	54013077-NF	3.3	3103 - Rubus-Fern	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Follow standards for including a buffer along stands with sensitive soils.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2022



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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78	54013078-NF	2.3	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

80	54013080-NF	2.2	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

89	54013089-NF	2.4	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Follow standards for including a buffer along stands with sensitive soils.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
91 54013091-Ccr	8.0	4130 - Aspen	Poletimber Well	49		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Retain whatever lands in the coldwater stream buffer, not to exceed 10 percent of treatment area. Use grouse spec</p> <p><u>Specs:</u> 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
94 54013094-NF	0.7	3103 - Rubus-Fern	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other</p> <p><u>Specs:</u> agriculture practices.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
96 54013096-NF	1.3	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other</p> <p><u>Specs:</u> agriculture practices.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
97 54013097-Ccr	48.0	4136 - Aspen, Mixed Conifer	Poletimber Well	50		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Retain whatever lands in the coldwater stream buffer, not to exceed 10 percent of treatment area. Use grouse spec</p> <p><u>Specs:</u> 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple, fir.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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99	54013099-Ccr	14.3	4133 - Aspen, Mixed Pine	Sawtimber Well	65	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with retention. 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 overall mix. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, oak, pine, maple.

Regen:

Other Use current, standard trail specs for safety and infrastructure protection.

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

100	54013100-NF	3.5	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Follow standards for including a buffer along stands with sensitive soils.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

102	54013102-CT	5.4	42110 - Planted Red Pine	Sawtimber Well	54	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Reduce BA to 120, crown releasing best tree.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Use current, standard trail specs for safety and infrastructure protection.

Comment:

Site Condition

Proposed Start Date: 10/1 /2022



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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104	54013104-NF	1.7	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

105	54013105-NF	3.7	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Follow guidelines for buffers along trail systems.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

106	54013106-Ccr	14.2	4130 - Aspen	Poletimber Well	48	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Specs: Clearcut with retention. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be wind-firm clumpy linear retention along the motorcycle trail. Use grouse spec 5.2.4.7, 12" minimum diameter fully merchantable tree, one per two acres.

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

Acceptable Regen: Aspen, oak, pine, maple.

Other Comment: Use current, standard trail specs for safety and infrastructure protection.

Site Condition

Proposed Start Date: 10/1 /2022



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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108	54013108-Ccr	34.6	4131 - Aspen, Oak	Poletimber Well	50		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with retention. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be wind-firm clumpy linear retention along the motorcycle trail. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, oak, pine, maple.

Regen:

Other Use current, standard trail specs for safety and infrastructure protection.

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

109	54013109-Ccr	27.4	4130 - Aspen	Poletimber Well	52	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with retention. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be on steep slopes and/or coldwater stream buffer. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, oak, pine, maple.

Regen:

Other Use current, standard trail specs for safety and infrastructure protection.

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

121	54013121-Ccr	13.5	6111 - Lowland Balsam Poplar	Sawtimber Medium	50	51-80	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
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Prescription Clearcut with retention. Retain whatever lands in the coldwater stream buffer, not to exceed 10 percent of treatment area. Use grouse spec 5.2.4.4, 12" minimum diameter fully merchantable tree, one per two acres.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Aspen, pine, fir, spruce, maple.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

123	54013123-NF	1.0	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
-----	-------------	-----	--------------	------------	--	--	--------------	---------------------------------	---------------------------	----

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

Specs: Follow guidelines for buffers along trail systems.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

126	54013126-Cc	8.5	4123 - Red Oak	Poletimber Well	89	51-80	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	No
-----	-------------	-----	----------------	-----------------	----	-------	---------	----------	-------------------------------------	-----------	----

Prescription Clearcut. No retention due to small size. Stack slash on on oak stumps, to hide from deer, elk.

Specs: Monitoring, Natural Regen (Intermediate)

Next Step Oak, aspen, maple, fir, birch, pine.

Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

127	54013127-Cc	3.9	4131 - Aspen, Oak	Sawtimber Well	61	141-170	Harvest	Clearcut	413 - Aspen	Even-Aged	No
-----	-------------	-----	-------------------	----------------	----	---------	---------	----------	-------------	-----------	----

Prescription Clearcut. No retention due to small size. Use grouse spec 5.2.4.7, 12" minimum diameter fully merchantable tree, one per two acres.

Specs: Monitoring, Natural Regen (Re-Inventory)

Next Step Aspen, oak, pine, maple, fir.

Regen: Use current, standard trail specs for safety and infrastructure protection. No operations on snowmobile trail December 1 through April 1.

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2022



Standard

Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
--------------	----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

148	54013148-Cc	10.1	4133 - Aspen, Mixed Pine	Sawtimber Well	57		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
-----	-------------	------	--------------------------	----------------	----	--	---------	-------------------------	-------------	-----------	----

Prescription Clearcut. No retention due to small size. Use grouse spec 5.2.4.7, 12" minimum diameter fully merchantable tree, one per two acres.
Specs:

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

Acceptable Aspen, oak, pine, maple, fir.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

Approved Treatments:

7	54013007-Cut	5.3	6111 - Lowland Balsam Poplar	Poletimber Well	49		Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
---	--------------	-----	------------------------------	-----------------	----	--	---------	-------------------------	----------------------	-----------	----

Prescription Clearcut without retention owing to small stand size. Use grouse spec. Sever all Scots pine, regardless of size, if present.
Specs:

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

Acceptable Includes any combination of aspen, maple, fir and native pines.
Regen:

Other Should regeneration not reach moderate stocking, accept current regeneration level.
Comment:

Variance approved for out of cycle treatment due to lack of access. 08/20/2019.

Site Condition

Proposed Start Date: 10/1 /2018

Total Treatment 620.1
Acreage Proposed:

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 13
Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions							
		With Condition	Not Available		5B	5C	2F	2G	3J	5A	5E	
1030	845	95	90	Aspen		95	5	5	76			4
12	12	0	0	Bog								
339	32	0	308	Cedar				170	137			
65	56	0	10	Herbaceous Openland				0	10			
27	26	0	0	Low-Density Trees					0			0
55	30	0	25	Lowland Aspen/Balsam Poplar				7	18			
87	24	0	62	Lowland Conifers				22	40			
6	6	0	0	Lowland Mixed Forest								
23	6	0	17	Lowland Shrub					17			
43	23	0	21	Marsh			0		21			
160	110	32	18	Mixed Upland Deciduous		32	1	9	7			
11	11	0	0	Natural Mixed Pines								
49	49	0	0	Northern Hardwood								
101	19	67	16	Oak	61	5		0	7	5		3
120	71	13	36	Red Pine		13	11		21			4
1	1	0	0	Sand, Soil					0			
53	0	0	53	Tamarack				11	41			
37	15	0	22	Upland Mixed Forest				10	12			
7	4	0	3	Upland Shrub					3			0
29	10	0	19	Upland Spruce/Fir				19				
6	5	0	1	Urban				0	1			
34	32	0	2	Water					2			
19	19	0	0	White Pine								
2,315	1,406	206	703	Total Forested Acres	61	145	17	255	415	5		12
	61%	9%	30%	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 Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable		3J: Water quality / BMPs (stream, river, or lake)	130	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cold water Stream 100m buffer.								

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 13
Year of Entry: 2023

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cold water Stream 100m buffer.							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	46	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 13
Year of Entry: 2023

8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is long term retention from Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01.							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	40	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	220	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cold water Stream 100m buffer.							
11	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is long term retention from Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01. Retention for stand to SW.							
12	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is long term retention from Timber Sale Name: Hunt Creek Aspen and Oak; Timber Sale Number: 54-009-13-01.							
13	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is long term retention from Timber Sale Name: Hunt Creek Aspen and Oak; Timber Sale Number: 54-009-13-01.							
14	Unavailable	5E: Long-Term Retention	0	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: This is long term retention from Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01. Cold water Stream 100m buffer.							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 13
Year of Entry: 2023

15	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is long term retention for Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01.							
16	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is long term retention from Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01.							
17	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is long term retention from Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01.							
18	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is long term retention for Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01.							
19	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is long term retention from Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01.							
20	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: This is long term retention from Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01. Cold water Stream 100m buffer.							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	37	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 13
Year of Entry: 2023

22	Unavailable	2F: Too steep	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
27	Available	5B: Maintain for regeneration purposes	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 13
Year of Entry: 2023

28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	0	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	0	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 13
Year of Entry: 2023

33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	58	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Descends steeply to broad drainage with stream at bottom.							
35	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Available	5B: Maintain for regeneration purposes	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Available	5B: Maintain for regeneration purposes	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	5A: Not able to obtain desirable regeneration	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: It seems unlikely that regeneration would survive browse pressure.							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 13
Year of Entry: 2023

39	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Unavailable	5E: Long-Term Retention	4	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: buffer on seep/pond/cold-water stream complex.							
42	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	57	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 13
Year of Entry: 2023

44	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
45	Available	5B: Maintain for regeneration purposes	6	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: Growing the aspen.							
47	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	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
----------	--------------	-------------	----------------	-------

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	Research and Military Areas	These areas provide facilities and lands specifically dedicated for research, or other purposes. They include the 5,847 acre Forest Fire Experiment Station, the 12,000 acre Houghton Lake Wildlife Research Area, the Beaver Islands Archipelago Wildlife Research Area (that includes most of Garden Island, all of High and Hog Islands, all state owned land on Beaver, South Fox and North Fox Islands), the Cusino Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Research Station, the 125 acre Wyman Nursery, and over 144,000 acres of Military Lands.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
1	6112 - Lowland Aspen	Poletimber Well	8.8	35		N/A	Standing water present.																																													
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3	4130 - Aspen	Poletimber Well	36.7	45	81-110	N/A																																														
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4	4131 - Aspen, Oak	Poletimber Well	104.8	35		N/A	Old fire plow lines.																																													
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5	623 - Emergent Wetland	Nonstocked	1.7	0		No																																														
6	42200 - Natural White Pine	Sapling Poor	7.5	10	Immature	N/A	WLD might want to get a treatment on this.																																													
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7	6111 - Lowland Balsam Poplar	Poletimber Well	6.8	49		N/A																																														
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8	6120 - Lowland Cedar	Poletimber Well	51.6	130	201+	N/A	Stream running through stand. Water flowing underground. Many seeps and vernal streams.																																													
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10	6225 - Bog	Nonstocked	1.0			No																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
14	4139 - Aspen, Mixed Deciduous	Poletimber Well	2.2	57	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		45	Log	11	57	Red Maple	
Red Maple		40	Pole/Log	9		Medium	
Red Oak		15	Log	12		>20 feet	
						Sapling	
15	6120 - Lowland Cedar	Sawtimber Well	2.1	110	111-140	N/A	big, long cedar seep, next to steep hill. impressive horizontal structure.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		20	Log	13		Red Maple	
Bigtooth Aspen		13	Pole	6		Low	
Northern White Cedar		60	Log/Pole	10	110	Medium	
White Pine		5	XLog	25	110	>20 feet	
Hemlock		2	Log	10		Sapling	
16	6120 - Lowland Cedar	Poletimber Well	59.1	115	171-200	N/A	Some blow-down in stand. Aspen growing on pockets of high ground. Very little hemlock regen, only a few saplings but worth mentioning. Several streams flow through stand, mostly above ground but not all.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole/Log	8		Balsam Fir	
Yellow Birch		5	Pole	8		Medium	
Paper Birch		10	Pole	8		Low	
Bigtooth Aspen		5	Pole/Log	8		< 5 feet	
Northern White Cedar		50	Pole/Log	9	115	Sapling	
White Pine		15	Log/XLog	15		< 5 feet	
Hemlock		5	Pole	6		Sapling	
17	500 - Water	Nonstocked	0.6	0		No	Start of stream. Seeps and vernal ponds present.
18	6120 - Lowland Cedar	Sawtimber Well	2.6	104		N/A	Stream runs through stand. Standing water throughout with some areas flowing water.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		80	Log/Pole	10	104	Northern White Cedar	
White Pine		5	XLog	18		Low	
Bigtooth Aspen		5	Pole	9		Variable	
Balsam Fir		5	Pole	6		Sapling	
Red Maple		5	Pole	5		5 - 10 feet	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
19	4131 - Aspen, Oak	Poletimber Well	51.0	38		N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		30	Pole	5		Black Cherry	Low	< 5 feet	Sapling
Red Oak		5	Log	14		Witch Hazel	High	< 5 feet	Tall Shrub
Red Oak		15	Sapling	3		Blueberry/Bilberry/Cranberry	Medium	< 5 feet	Tall Shrub
Bigtooth Aspen		45	Pole	7	38	Sweet Fern	Medium	< 5 feet	Tall Shrub
White Pine		5	Log	11					
20	623 - Emergent Wetland	Nonstocked	21.0			No			
21	4130 - Aspen	Sapling Medium	16.0	6	Immature	N/A	Sugar maple were retained in this stand during the last harvest of this stand that was completed in 2015.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		90	Sapling	1	6	Blackberry/Raspberry	High	< 5 feet	Tall Shrub
Sugar Maple		10	Log	12		White Pine	Medium	< 5 feet	Seeding
22	6120 - Lowland Cedar	Poletimber Well	10.1	83		N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		25	Pole	6		Balsam Fir	High	>20 feet	Sapling
Black Spruce		25	Pole	6		Tag Alder	High	10 - 20 feet	Tall Shrub
Northern White Cedar		50	Pole/Log	9	83				
23	4199 - Other Mixed Upland Deciduous	Sawtimber Well	6.6	77	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		35	Pole/Log	9	77	Sugar Maple	Medium	>20 feet	Sapling
Red Maple		10	Log/Pole	10		Beech	Medium	10 - 20 feet	Sapling
Beech		10	Log	12					
Red Oak		25	Log	16					
Bigtooth Aspen		20	Log/Pole	11					
24	4119 - Mixed Northern Hardwoods	Sawtimber Well	5.4	92	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		55	Log/Pole	10	92	Sugar Maple	Medium	< 5 feet	Sapling
Red Maple		10	Pole	8		Red Maple	Medium	< 5 feet	Sapling
Red Oak		35	Log	15		White Pine	High	< 5 feet	Sapling
						Beech	Medium	< 5 feet	Sapling
25	3102 - Grass	Nonstocked	4.6			Managed Opening			
26	3102 - Grass	Nonstocked	3.1			Managed Opening			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																														
27	4131 - Aspen, Oak	Poletimber Well	29.4	48		N/A																																																															
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28	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	2.4	130	111-140	N/A	Start of stream. Stand is one big seep.																																																														
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29	500 - Water	Nonstocked	2.5			No																																																															
30	330 - Low-Density Trees	Nonstocked	14.8	0		4131 - Aspen, Oak	One nice aspen clone in south part of stand. Rest is low to medium density mix of oak, maple, cherry and aspen browsed at either 2 or 4 feet in height. This stand has some steeper slopes paralleling and facing the road. The harvest of this stand was completed on 6/18/15 with Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01.																																																														
31	4131 - Aspen, Oak	Poletimber Well	28.7	57	81-110	N/A	New stand added.																																																														
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32	4199 - Other Mixed Upland Deciduous	Sawtimber Well	27.5	92	111-140	N/A	Some steep slopes mostly on the north and east sides. May make operations difficult. Advanced white pine, beech, and maple regen.																																																														
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33	4123 - Red Oak	Sawtimber Well	5.2	96	1-50	N/A	good looking oak. Harvest when Aspen becomes marketable.																																									
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34	3102 - Grass	Nonstocked	1.6			Managed Opening																																										
35	4131 - Aspen, Oak	Poletimber Well	14.0	55	51-80	N/A																																										
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36	4130 - Aspen	Sapling Well	20.4	30	Immature	N/A	Some open areas of sweet fern.																																									
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37	4130 - Aspen	Poletimber Well	21.2	49	111-140	N/A																																										
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39	500 - Water	Nonstocked	18.5			No																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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40 4199 - Other Mixed Upland Deciduous Sawtimber Medium 47.7 94 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Log	12		Ironwood	Full	>20 feet	Sapling
Red Maple	25	Pole	8		White Pine	Medium	10 - 20 feet	Sapling
Ironwood	5	Pole	7					
Quaking Aspen	10	Pole	5					
Red Oak	45	Log	15	94				
Red Pine	10	Log	14					

41 6225 - Bog Nonstocked 6.9 No

42 6120 - Lowland Cedar Sawtimber Well 23.1 110 N/A Some blow-down. Stream running through stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Pole	7		Balsam Fir	Medium	>20 feet	Sapling
Paper Birch	5	Pole	8					
Northern White Cedar	80	Log/Pole	10	110				
Hemlock	10	Pole	9					

43 4126 - White, Black, N. Pin Oak Sawtimber Poor 22.2 98 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	65	Log	13	98	Quaking Aspen	Medium	Variable	Sapling
White Oak	35	Log	14		Witch Hazel	Medium	< 5 feet	Tall Shrub
					Hawthorn (spp.)	High	< 5 feet	Tall Shrub
					Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling
					Red Maple	High	< 5 feet	Sapling

The harvest of this stand was completed on 12/1/14 with Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01. Regen is pretty well browsed.

44 4130 - Aspen Poletimber Well 24.9 44 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	4		White Pine	Low	< 5 feet	Sapling
Red Oak	15	Log/XLog	14		Balsam Fir	Medium	>20 feet	Sapling
Quaking Aspen	60	Pole	5	44	Red Maple	High	>20 feet	Sapling
Red Pine	5	Log	13					
Balsam Fir	10	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
45	4126 - White, Black, N. Pin Oak	Sawtimber Medium	19.2	97	51-80	N/A	The harvest of this stand was completed on 12/1/14 with Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01. Most desirable regeneration has been browsed.																																										
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46	500 - Water	Nonstocked	12.7			No																																											
47	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	11.4	40	81-110	N/A	Stand surrounds west fish lake. steepish.																																										
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49	4123 - Red Oak	Sawtimber Poor	6.0	97	1-50	N/A	The data for the overstory is based on the stand data prior to the harvest and what was most likely retained given the last harvest prescription.																																										
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50	4130 - Aspen	Poletimber Well	75.1	44		N/A																																											
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51	3201 - Sweet Fern	Nonstocked	2.7			Managed Opening																																											
52	3102 - Grass	Nonstocked	15.5			Managed Opening																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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53 4126 - White, Black, N. Pin Oak Sawtimber Poor 17.6 88 1-50 N/A

This stand was thinned to 30-40 BA. The harvest of this stand was completed on 9/24/14 with Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01. Residual oak BA is variable. A few aspen clones in low BA areas are over 10 feet tall. Otherwise, regeneration densities are low and browsed to 2-4 feet in height.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	60	Log	15	88	Red Maple	Medium	Variable	Sapling
White Oak	40	Pole/Log	8	88	Red Oak	Medium	< 5 feet	Sapling
					White Oak	Medium	< 5 feet	Sapling
					White Pine	Low	Variable	Sapling
					Serviceberry (Juneberry)	Medium	< 5 feet	Tall Shrub
					Hawthorn (spp.)	Low	< 5 feet	Tall Shrub
					Bigtooth Aspen	Medium	5 - 10 feet	Sapling

54 42201 - Natural White Pine, Mixed Deciduous Poletimber Well 10.3 93 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	5		Beech	Low	< 5 feet	Sapling
Red Oak	5	Pole/Log	9		Ironwood	High	Variable	Sapling
Quaking Aspen	10	Pole	8		Witch Hazel	Medium	< 5 feet	Tall Shrub
White Pine	60	Log	14	93	Serviceberry (Juneberry)	Medium	< 5 feet	Tall Shrub
Red Pine	10	Log	13		White Pine	Medium	10 - 20 feet	Sapling

55 3102 - Grass Nonstocked 7.2 Managed Opening

56 4126 - White, Black, N. Pin Oak Sawtimber Well 7.8 88 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Sapling	5		White Oak	High	< 5 feet	Seeding
Red Oak	30	Log	12		Balsam Fir	Low	< 5 feet	Sapling
White Oak	45	Log	14	88	White Pine	Low	< 5 feet	Sapling
Quaking Aspen	10	Pole	6		Autumn Olive	Low	< 5 feet	Tall Shrub
					Witch Hazel	Low	< 5 feet	Tall Shrub
					Serviceberry (Juneberry)	Low	< 5 feet	Tall Shrub
					Hawthorn (spp.)	Low	< 5 feet	Tall Shrub

57 6225 - Bog Nonstocked 3.9 No

58 4130 - Aspen Sapling Well 34.9 7 Immature N/A

The harvest of this stand was completed on 9/24/14 with Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01. Regeneration along west-side slope is largely browsed oak. Regeneration in bulk of stand is heavy to aspen over 6 feet tall.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Sapling	1		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	10	Sapling	1		Cherry (spp.)	Low	< 5 feet	Sapling
Bigtooth Aspen	75	Sapling	1	7				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
59	4131 - Aspen, Oak	Sawtimber Well	20.7	60	Unspecified	N/A	badly conked Aspen. could not get good core sample.																																													
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60	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Medium	10.8	29	Immature	N/A	Stand swapped from Non-Forested to Forested. Stand was cut and part was fenced in for a cedar enclosure study. The enclosure is the stand to the north. The enclosure has advanced regen consisting of cedar, tamarack, q. aspen, balsam fir, and black spruce. Vegetation in enclosure is 4-6 feet taller than regen outside enclosure.																																													
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61	623 - Emergent Wetland	Nonstocked	0.6	0		No																																														
62	4119 - Mixed Northern Hardwoods	Poletimber Well	19.8	71	111-140	N/A	New stand added.																																													
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63	42360 - Upland Cedar	Poletimber Well	11.9	111	141-170	N/A	Fuller Creek flows through stand, and countless seeps and streams run down slope to join it.																																													
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64	110 - Low Intensity Urban	Nonstocked	4.9				Hunt Creek Trout Research Area Headquarters.																																													
65	3102 - Grass	Nonstocked	2.0			Managed Opening																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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66	42210 - Natural Red Pine	Sawtimber Well	59.0	81	111-140	N/A	Stand borders hunt creek and fish research station.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	5	Pole/Log	9		Red Oak	Medium	< 5 feet	Sapling
Quaking Aspen	10	Log/Pole	11		White Pine	Medium	Variable	Sapling
Red Pine	75	Log	16	81	Red Pine	Medium	5 - 10 feet	Sapling
Jack Pine	5	Pole	8		Autumn Olive	Low	< 5 feet	Tall Shrub
White Pine	5	Log/Pole	10		Serviceberry (Juneberry)	Medium	< 5 feet	Tall Shrub

67	4116 - Mixed N. Hardwood - Aspen	Poletimber Poor	6.1	40	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	30	Pole	7		Sweet Fern	Full	< 5 feet	Tall Shrub
Black Cherry	70	Pole/Sapling	5	40				

68	4130 - Aspen	Poletimber Well	27.4	46		N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Pole	7		Red Maple	High	< 5 feet	Sapling
Red Maple	15	Pole/Log	9		Beech	Low	< 5 feet	Sapling
Paper Birch	5	Pole	6		Witch Hazel	Medium	< 5 feet	Tall Shrub
Quaking Aspen	20	Pole	8		Serviceberry (Juneberry)	Medium	< 5 feet	Tall Shrub
Bigtooth Aspen	40	Pole/Log	9	46				
White Pine	5	Pole	6					

69	3102 - Grass	Nonstocked	1.8			Managed Opening	
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70	6120 - Lowland Cedar	Poletimber Well	99.1	111	141-170	N/A	Has stream running through stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	5		Balsam Fir	High	10 - 20 feet	Sapling
Quaking Aspen	5	Pole	6		Tag Alder	Low	10 - 20 feet	Tall Shrub
Balsam Fir	10	Pole	6					
Black Spruce	15	Pole	9					
Northern White Cedar	65	Pole/Log	9	111				

71	4139 - Aspen, Mixed Deciduous	Poletimber Well	56.9	48	Unspecified	N/A	overall, looked like a clearcut hardwood stand. Features a west-to-east flowing stream which connects the south end of stand 60 with the north end of stand 72.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	20	Log	12		Sugar Maple	High	Variable	Sapling
Red Maple	15	Pole/Sapling	6		Green Ash	Low	5 - 10 feet	Sapling
Quaking Aspen	50	Pole/Log	9	48	Ironwood	High	Variable	Sapling
White Pine	5	Log	12		Balsam Fir	Medium	10 - 20 feet	Sapling
Red Oak	10	Pole	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
72	6120 - Lowland Cedar	Poletimber Well	4.8	85		N/A																																																				
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73	42110 - Planted Red Pine	Sawtimber Well	21.7	53	171-200	N/A	previously third row thinned. LCR = 0.25. thin again.																																																			
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74	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	43.0	83		N/A	Cedar mostly in small povkets through-out stand. Some good Tamarack regen. Pine, balsam, and spruce found mostly on perimeter of stand. Stream runs through part of the stand. Standing and flowing water present.																																																			
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79	42110 - Planted Red Pine	Sawtimber Well	4.5	53	141-170	N/A	Recently third row thinned.																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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80 3102 - Grass Nonstocked 2.2 Managed Opening

81 4133 - Aspen, Mixed Pine Poletimber Well 13.6 34 51-80 N/A Stream runs through stand. Some steep slopes along stream.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Sapling	5		Balsam Fir	Low	Variable	Sapling
Bigtooth Aspen	60	Pole/Log	9	34	Autumn Olive	Low	< 5 feet	Tall Shrub
Jack Pine	5	Pole	5		White Pine	Medium	Variable	Sapling
White Pine	10	Log/Pole	10					
Red Pine	5	Pole	7					
Balsam Fir	10	Pole	9					

82 6121 - Tamarack Poletimber Well 21.5 81 N/A Very wet. Standing water and muck soil. Stream runs through stand as well.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	15	Pole	8		Balsam Fir	High	< 5 feet	Sapling
Northern White Cedar	20	Pole	7		Tag Alder	Medium	< 5 feet	Tall Shrub
Tamarack	60	Pole/Log	9	81				
Balsam Fir	5	Pole	8					

83 4191 - Mixed Upland Deciduous with Conifer Poletimber Medium 9.9 56 1-50 N/A Very open area. Poor soils, very sandy. sugar maple is off site.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Pole	9		Red Pine	Medium	10 - 20 feet	Sapling
Red Maple	40	Pole	6	56	White Pine	Low	10 - 20 feet	Sapling
Quaking Aspen	10	Pole	5					
White Pine	10	Pole	6					
Red Pine	30	Log	12					

84 6121 - Tamarack Poletimber Well 31.4 81 N/A Very wet. Standing water and muck soil. Stream runs through stand as well.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	15	Pole	8		Balsam Fir	High	< 5 feet	Sapling
Northern White Cedar	20	Pole	7		Tag Alder	Medium	< 5 feet	Tall Shrub
Tamarack	60	Pole/Log	9	81				
Balsam Fir	5	Pole	8					

85 4319 - Mixed Upland Forest Poletimber Well 3.8 45 81-110 N/A much of balsam fir is now on the ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole	8		Balsam Fir	Medium	10 - 20 feet	Sapling
Red Pine	40	Pole/Log	9	45				
Red Maple	30	Pole	5					
Black/Red (Hybrid) Oak	5	Log	14					
Bigtooth Aspen	15	Pole	9					



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86	42210 - Natural Red Pine	Sawtimber Well	3.9	99	81-110	N/A																																																				
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87	6239 - Mixed Emergent Wetland	Nonstocked	8.8			No																																																				
88	6111 - Lowland Balsam Poplar	Poletimber Well	7.6	49		N/A	ridge with east-west two track.																																																			
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91	4130 - Aspen	Poletimber Well	9.2	49		N/A	Stand swapped from Non-Forested to Forested.																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
100	3102 - Grass	Nonstocked	3.5			Managed Opening																																					
101	6220 - Alder/willow	Nonstocked	22.0			No																																					
102	42110 - Planted Red Pine	Sawtimber Well	5.4	54	171-200	N/A	Recently third row thinned.																																				
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103	320 - Upland Shrub	Nonstocked	1.2			No																																					
104	3102 - Grass	Nonstocked	1.7			No																																					
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106	4130 - Aspen	Poletimber Well	14.2	48	81-110	N/A																																					
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107	6112 - Lowland Aspen	Poletimber Medium	14.4	45		N/A	Very wet. Standing water and muck bottom.																																				
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108	4131 - Aspen, Oak	Poletimber Well	34.6	50		N/A																																					
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112	4136 - Aspen, Mixed Conifer	Poletimber Well	4.3	34	Immature	N/A	Cedar and other conifer found in lowland pockets mostly. Some higher ridges with red/white pine.																																													
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113	4111 - S.Maple, Hard Mast Association	Sawtimber Well	17.8	100	51-80	N/A	The salvage of ash and beech in this stand was completed on 3/29/17 with Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01.																																													
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Ironwood	High	Variable	Sapling																																																	
114	4133 - Aspen, Mixed Pine	Sapling Medium	4.2	7	1-50	N/A	Thinning of red pine down to 30-40 BA was supposed to occur with Timber Sale Name: Hunt Creek Aspen and Oak; Sale No.: 54-013-13-01. Chances are that the there was not enough red pine present to meet the 30-40 BA throughout the stand, so it was done where feasible.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
115	4130 - Aspen	Poletimber Well	11.4	44	81-110	N/A																																				
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116	4199 - Other Mixed Upland Deciduous	Poletimber Well	2.7	94	111-140	N/A																																				
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117	710 - Sand, Soil	Nonstocked	0.6	0		No																																				
118	330 - Low-Density Trees	Nonstocked	4.3			No	former maintained opening.																																			
119	6230 - Cattail	Nonstocked	0.7			No	cattails and open water.																																			
120	330 - Low-Density Trees	Nonstocked	1.6	0		No																																				
121	6111 - Lowland Balsam Poplar	Sawtimber Medium	17.5	50	51-80	N/A																																				
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Quaking Aspen	60	Log/Pole	10	50																																						
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122	122 - Road/Parking Lot	Nonstocked	1.5			No	ROADS																																			
123	3102 - Grass	Nonstocked	1.0			No																																				
124	3201 - Sweet Fern	Nonstocked	0.4			No	was a maintained opening at one time.																																			
125	330 - Low-Density Trees	Nonstocked	1.1			No	was a managed opening. filling in with white pine and red pine.																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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126	4123 - Red Oak	Poletimber Well	10.9	89	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Pole	9		Balsam Fir	Low	>20 feet	Sapling
Red Maple	20	Pole	9		White Pine	Medium	>20 feet	Sapling
Red Oak	65	Log	13	89	Witch Hazel	Medium	< 5 feet	Tall Shrub

127	4131 - Aspen, Oak	Sawtimber Well	3.9	61	141-170	N/A	Some steep slopes mostly on the north and east sides. May make operations difficult. Advanced white pine, beech, and maple regen.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	50	Log	12	61	Red Maple	High	>20 feet	Sapling
Red Maple	22	Pole	7		White Pine	Trace	5 - 10 feet	Sapling
Red Oak	20	Log	13		Witch Hazel	High	5 - 10 feet	Tall Shrub
Paper Birch	5	Pole	8					
Red Pine	3	Log	15					

128	6130 - Fir, Aspen, Maple	Sapling Well	5.6	35	51-80	N/A	Standing water present.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	30	Sapling	2	35	Witch Hazel	Medium	< 5 feet	Tall Shrub
Bigtooth Aspen	20	Sapling	2					
Balsam Fir	15	Sapling	1					
Black Spruce	5	Pole	9					
White Pine	10	Sapling	2					
White Pine	10	Log	13					
Red Pine	10	Log	13					

129	4310 - Pine, Oak Mix	Sawtimber Well	6.4	103	111-140	N/A	Nice visual aspects.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	5		White Pine	High	>20 feet	Sapling
Red Oak	35	Log	14					
Bigtooth Aspen	10	Log	11					
Red Pine	50	Log	13	103				

130	4311 - Pine, Aspen Mix	Poletimber Well	2.4	55	51-80	N/A	steep slope with stream at bottom.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Pole/Sapling	5		White Pine	Medium	Variable	Sapling
Red Maple	20	Pole	5		Witch Hazel	Medium	< 5 feet	Tall Shrub
Quaking Aspen	25	Pole	6					
White Pine	45	Log/Pole	10	55				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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131 4311 - Pine, Aspen Mix Sawtimber Well 22.6 46 81-110 N/A numerous cedar seep pockets. steep.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	8		Autumn Olive	High	5 - 10 feet	Tall Shrub
Quaking Aspen	20	Log	12		Red Maple	Medium	10 - 20 feet	Sapling
Red Pine	10	Log	16		White Pine	Medium	>20 feet	Sapling
Northern White Cedar	10	Log	12					
Red Oak	5	Log	16					
White Pine	30	Pole/Log	9	46				
Bigtooth Aspen	10	Log	11					

132 4139 - Aspen, Mixed Deciduous Poletimber Well 21.5 44 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Pole	7		Beech	Medium	< 5 feet	Seeding
Beech	15	Pole	8		Ironwood	High	>20 feet	Seeding
Red Oak	15	Pole	5					
Bigtooth Aspen	40	Pole	7	44				
Ironwood	10	Sapling	3					
White Pine	5	Log	16					

133 3102 - Grass Nonstocked 1.1 Immature Managed Opening New stand added.

134 622 - Lowland Shrub Nonstocked 0.6 0 No

135 6120 - Lowland Cedar Poletimber Well 12.5 111 141-170 N/A Has stream running through stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	6		Balsam Fir	High	< 5 feet	Sapling
Quaking Aspen	5	Log	10		Tag Alder	Low	< 5 feet	Tall Shrub
Balsam Fir	15	Pole	5					
Black Spruce	20	Pole	9					
Northern White Cedar	55	Pole/Log	9	111				

136 42340 - Upland Spruce/Fir Poletimber Well 13.2 56 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	6		Balsam Fir	High	10 - 20 feet	Sapling
Balsam Fir	45	Pole	6	56	Tag Alder	Low	< 5 feet	Tall Shrub
Black Spruce	15	Pole	9					
Northern White Cedar	10	Pole	8					
Quaking Aspen	25	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
137	4139 - Aspen, Mixed Deciduous	Poletimber Well	20.9	26	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		57	Pole	8	26	Red Maple	
Red Maple		20	Sapling	3		Balsam Fir	
Red Pine		15	Log	16		White Pine	
White Pine		3	Pole	7			
Red Oak		5	Log	12			
						Density	Avg. Height
						High	>20 feet
						Medium	Variable
						Medium	10 - 20 feet
							Sapling
							Sapling
							Sapling
							Sapling
138	42330 - Upland Fir	Poletimber Well	12.8	45	51-80	N/A	upland balsam fir leading down to Swamp.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole/Sapling	5		Red Maple	
Quaking Aspen		5	Pole	7		Balsam Fir	
Balsam Fir		90	Pole	6	45		
						Density	Avg. Height
						Medium	Variable
						High	>20 feet
							Sapling
							Sapling
139	6120 - Lowland Cedar	Poletimber Well	34.8	111	141-170	N/A	Has stream running through stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole	6		Balsam Fir	
Quaking Aspen		5	Pole	6		Tag Alder	
Balsam Fir		15	Pole	5			
Black Spruce		25	Pole	9			
Northern White Cedar		50	Pole	8	111		
						Density	Avg. Height
						High	5 - 10 feet
						Low	10 - 20 feet
							Sapling
							Tall Shrub
140	3302 - Low Density Conifer Trees	Nonstocked	4.3			No	A portion of a once extensive grouse walk, this particular part is reverting to forest, mostly white pine.
141	42210 - Natural Red Pine	Sawtimber Well	25.3	83	141-170	N/A	Pockets of pine sapling understory.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Oak		5	Log	11		Sugar Maple	
Bigtooth Aspen		25	Pole	7		Beech	
White Pine		10	Log/XLog	16		White Pine	
Red Pine		60	Log	13	83	Red Pine	
						Witch Hazel	
						Density	Avg. Height
						Medium	Variable
						Medium	Variable
						Medium	Variable
						Medium	Variable
						High	< 5 feet
							Sapling
							Sapling
							Sapling
							Sapling
							Tall Shrub
142	42330 - Upland Fir	Poletimber Well	3.1	41	51-80	N/A	balsam fir at the top of a hill.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		100	Pole	6	41	Red Oak	
						Density	Avg. Height
						Low	Variable
							Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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143 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 6.4 66 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	25	Pole	5		Balsam Fir	High	>20 feet	Sapling
Quaking Aspen	15	Pole	7		Tag Alder	Low	< 5 feet	Tall Shrub
Balsam Fir	30	Pole	6	66				
Tamarack	30	Pole	8					

144 6120 - Lowland Cedar Poletimber Well 27.7 111 141-170 N/A Has stream running through stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	7		Balsam Fir	Full	Variable	Sapling
Black Spruce	20	Log	11		Tag Alder	Medium	10 - 20 feet	Tall Shrub
Northern White Cedar	75	Pole/Log	9	111				

145 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 17.0 81 81-110 N/A Stand borders hunt creek and fish research station and includes much of Hunt Creek.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Pole	9		White Pine	Low	Variable	Sapling
Balsam Fir	45	Pole	8	81	Autumn Olive	Low	< 5 feet	Tall Shrub
Red Maple	20	Pole	8		Serviceberry (Juneberry)	Medium	< 5 feet	Tall Shrub
Tamarack	15	Log	10		Balsam Fir	High	>20 feet	Sapling
Northern White Cedar	10	Log	11					

146 4123 - Red Oak Sawtimber Well 12.4 96 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	65	Log	14	96	Balsam Fir	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	25	Log	13		Red Maple	High	>20 feet	Sapling
Red Pine	5	Log	15					
Red Maple	5	Pole	6					

147 4311 - Pine, Aspen Mix Sawtimber Well 2.0 91 111-140 N/A between 144 and 20

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	40	Log	15	91	Balsam Fir	High	10 - 20 feet	Sapling
White Pine	5	Log	13		Red Maple	High	>20 feet	Sapling
Bigtooth Aspen	35	Log/Pole	11					
Red Maple	10	Pole	6					
Paper Birch	10	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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148 4133 - Aspen, Mixed Pine Sawtimber Well 10.3 57 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	50	Log	11	57	Balsam Fir	High	>20 feet	Sapling
Red Maple	20	Pole	9					
White Pine	20	Log	12					
Black/Red (Hybrid) Oak	5	Log	16					
Balsam Fir	3	Pole	7					
Paper Birch	2	Pole/Log	9					

149 3201 - Sweet Fern Nonstocked 0.6 Immature Managed Opening no longer maintained?

150 42200 - Natural White Pine Sapling Poor 1.7 12 Immature N/A was a maintained opening.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	100	Sapling	2	12