



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54010

Entry Year 2025

Acreage: 1,484

County Montmorency

Management Area: Avery Hills

Stand Examiner: Richard Barber

Legal Description:

Sections 20, 21, 28 & 33, T29N-R2E

Identified Planning Goals:

Timber and wildlife habitat along with snowmobile and ORV trails.

Soil and topography:

Loamy sands to outwash sands. Topography is rolling with dead ice features causing many small ponds. Some are permanent and some are seasonal. Some are large enough to map, while others are part of their parent stands, and they are noted in the comments.

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

This compartment is a long, narrow strip of State land with private residential properties on the east and west sides. State land exists to the north, south, north east, south east, and south west.

Unique Natural Features:

There are numerous small ponds, and the potential for Red Shouldered Hawk and Loons. There are occurrences or the potential of unique natural features near by or in surrounding compartments.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Few fishermen have reported success in this compartment.

Wildlife Habitat Considerations:

This compartment receives significant hunting pressure from deer and turkey hunters. Featured species include white-tailed deer, wild turkey, and ruffed grouse. Openings that have not been developed should be maintained to provide hunting and viewing opportunities as well as habitat for featured species. Timber harvests should promote early successional habitat with some residual mast trees.

Mineral Resource and Development Concerns and/or Restrictions

The nearest open sand/gravel pit is the State-owned Vondette Road Pit, less than one mile to the east. There is potential for additional sand & gravel in the compartment, but it might be too far from populated areas (markets) to have much economic potential beyond use by the county road commission or DNR for local road maintenance. Permitted extraction from the Vondette Road Pit (via permit or lease) has not occurred in more than two decades, suggesting there is limited demand in this area. In addition, any sand & gravel development would need to avoid oil & gas facilities. This area has been developed for and is producing gas from the Antrim Shale. All State-owned mineral rights in the compartment are currently leased and held by production. Due to the persistent low price of natural gas, there is unlikely to be any additional Antrim

Vehicle Access:

There are numerous county roads that can be used to access this compartment along with a network of state forest roads, snowmobile trails, and gas well roads throughout the compartment. The snowmobile trail to the south of Big Wolf Lake Road is gated and only open during snowmobile season.

Survey Needs:

Surveys are likely to be needed.

Recreational Facilities and Opportunities:

ORV trail, MCCT trail, Snowmobile trail, Mushrooming, deer hunting, and other small game hunting.

Fire Protection:

Lewiston VFW and Atlanta MDNR.

Additional Compartment Information:

The following reports from the Inventory are attached:

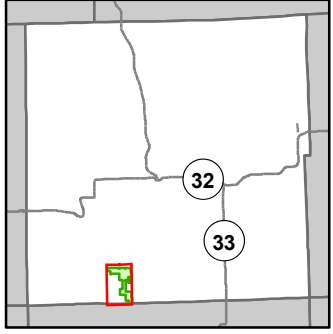
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

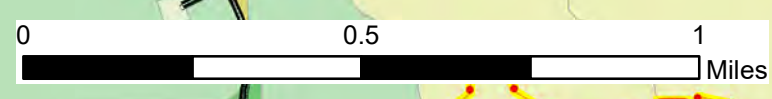
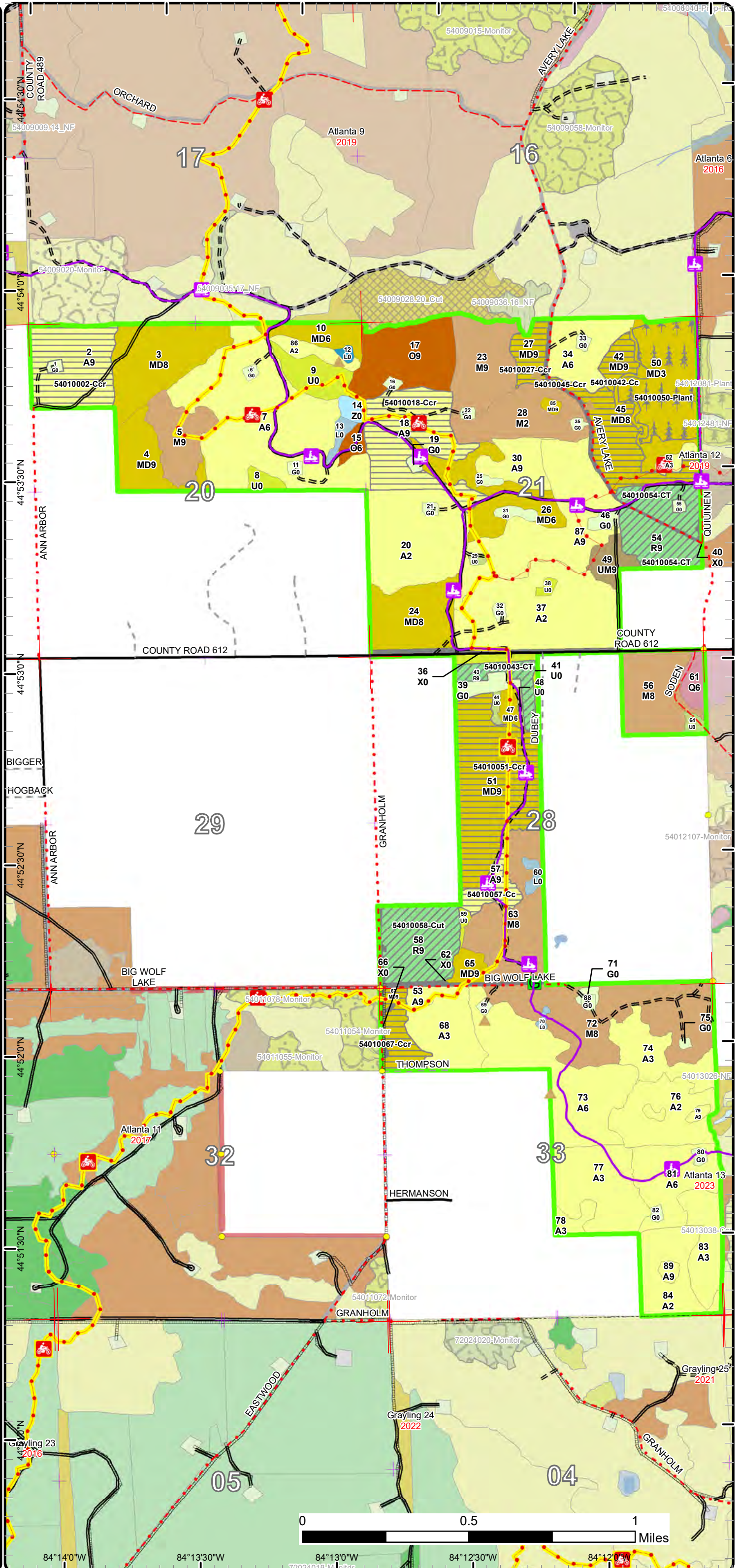
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 10
 T29N, R01E, Sec. 3-4, 9-10, 15
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Avery Hills
 YOE: 2025
 Acres: 1483.6 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 6/12/2023
 Map Phase: Review



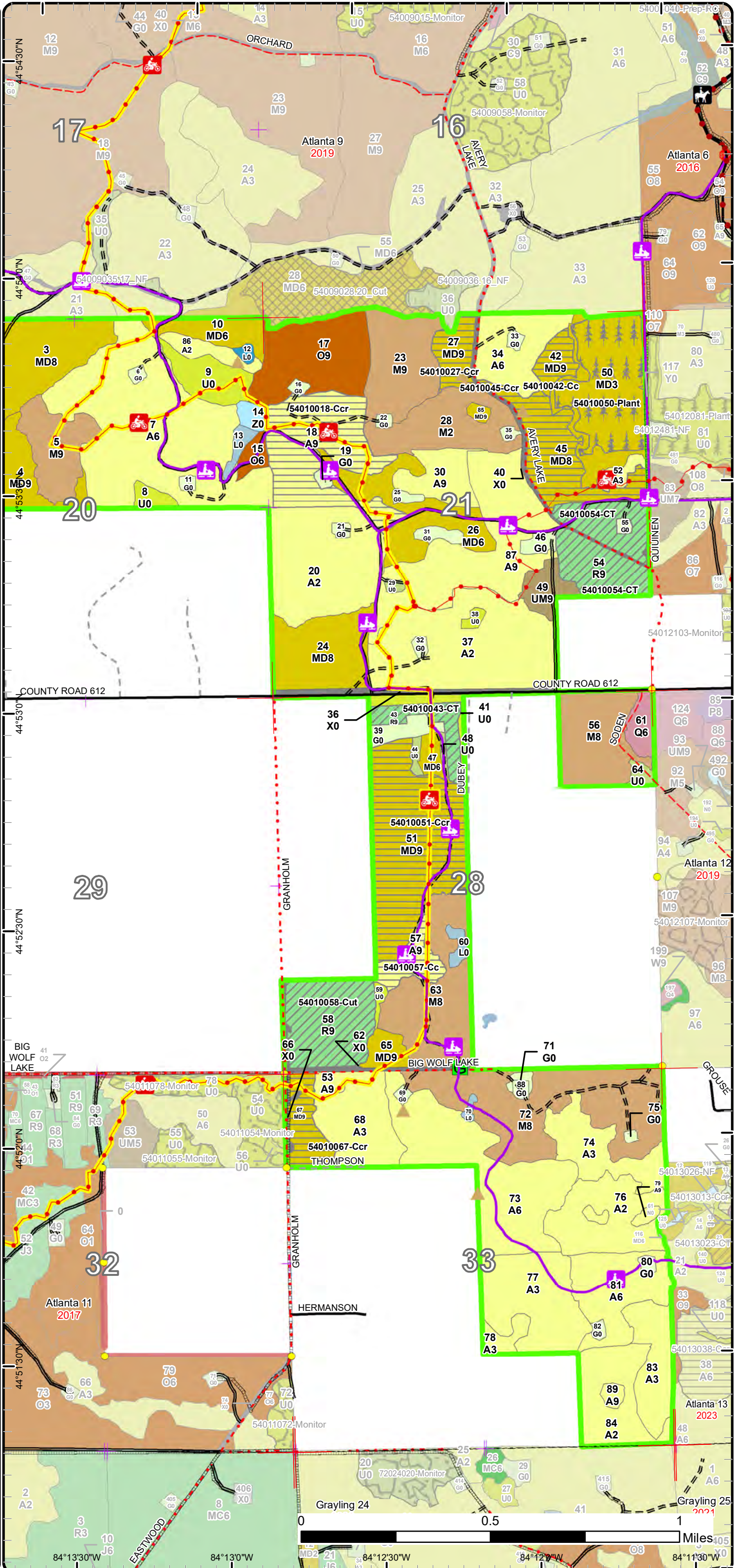
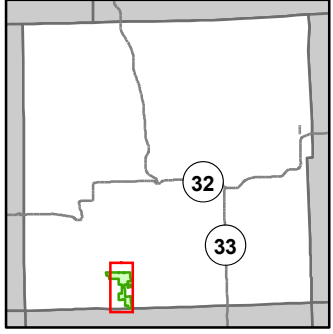
- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Motorcycle Trails (DNR License)
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- Snowmobile Trails
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- Lake/Pond
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- Gate
- Pipeline
- Compartment Boundary
- Planting (Tree Species)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland



84°14'0"W 84°13'30"W 84°13'0"W 84°12'30"W 84°12'0"W

Cover Type & Treatments Map

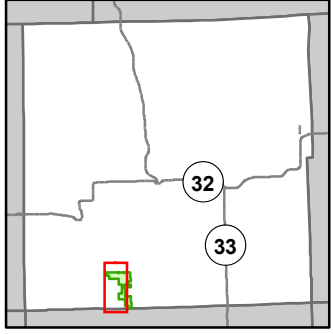
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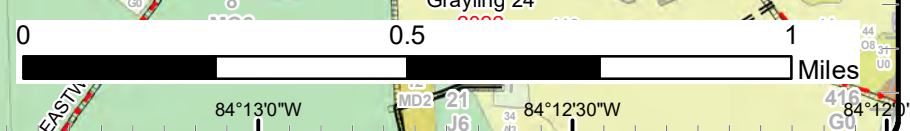
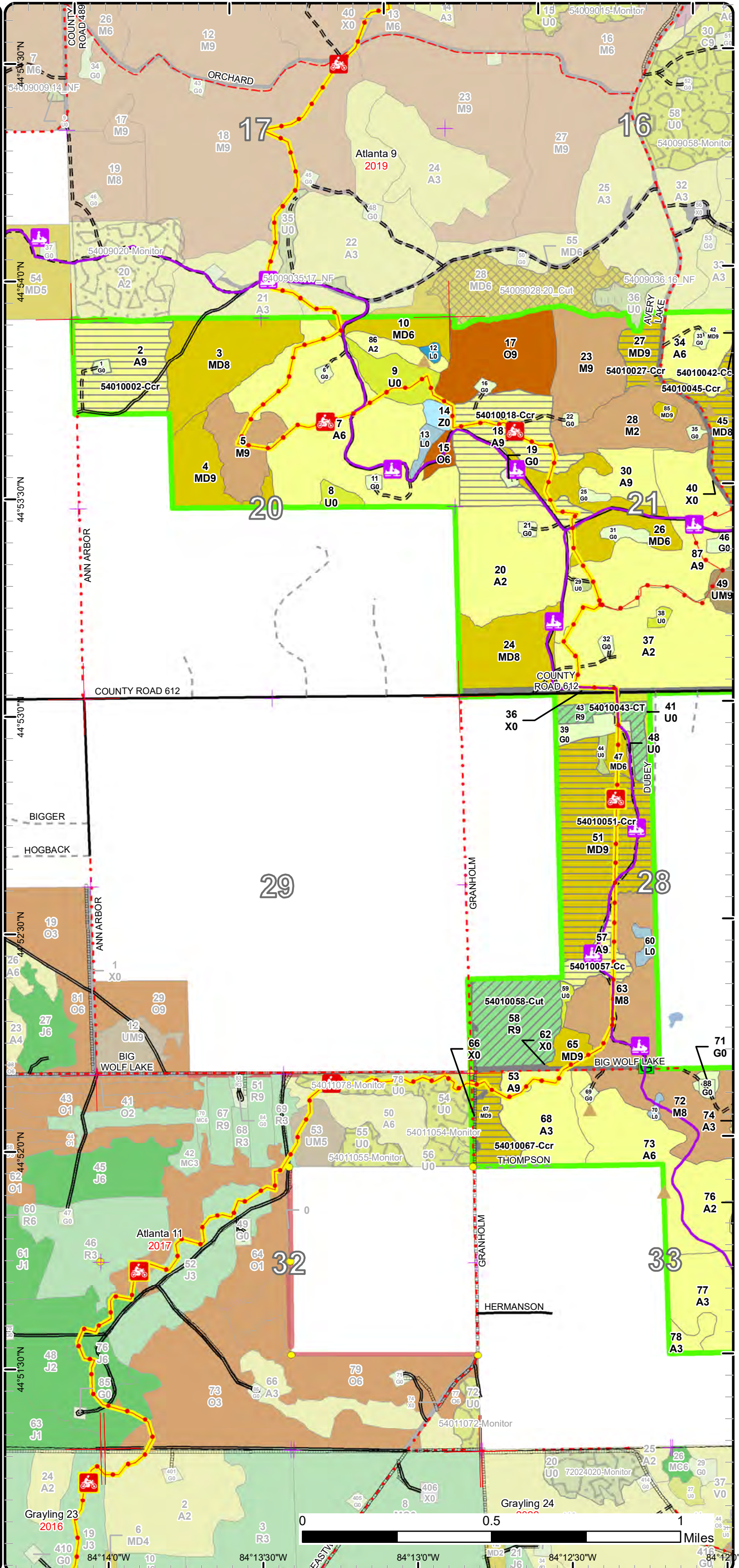
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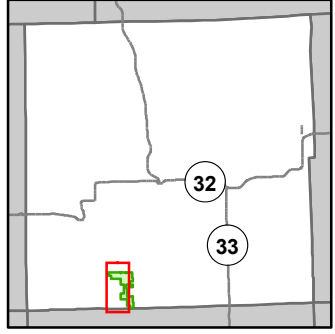


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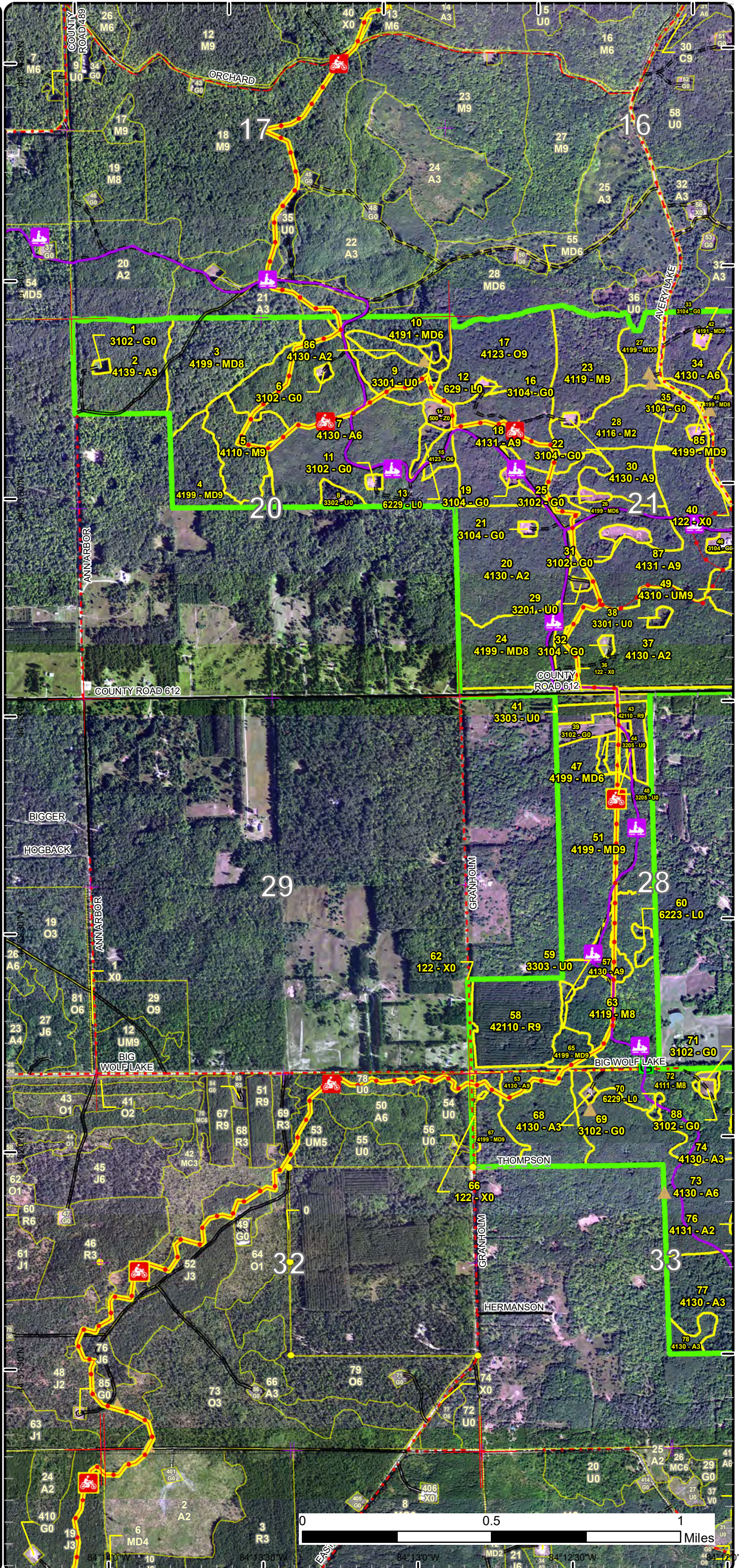


Stand Boundary Map

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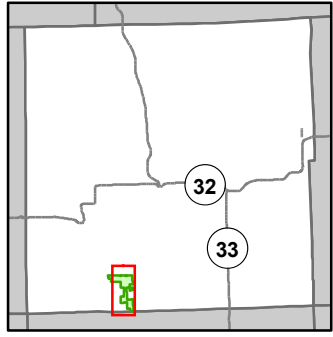


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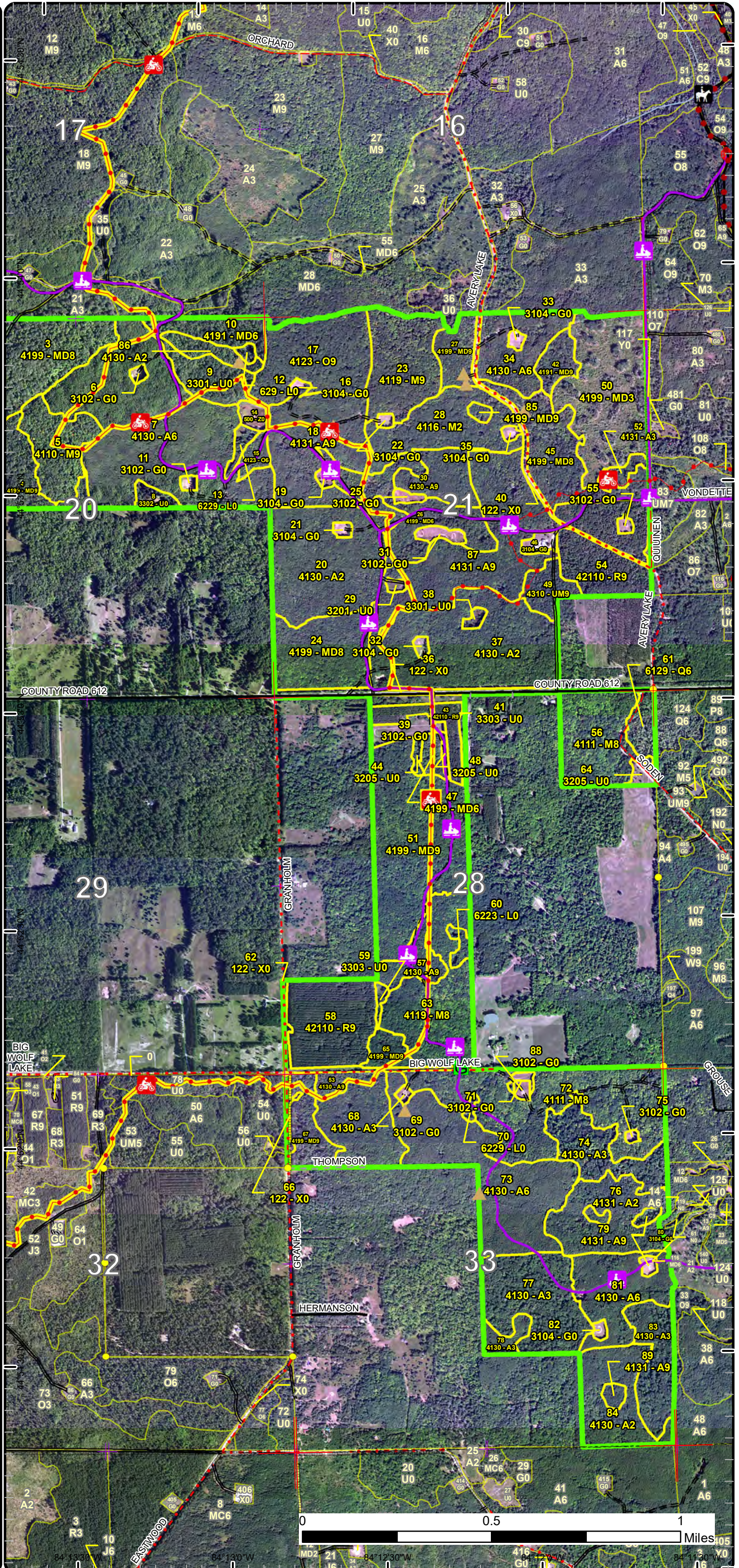


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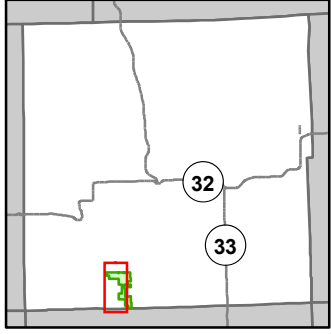


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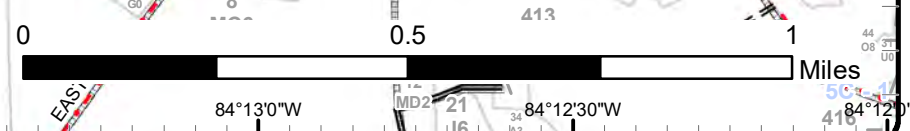
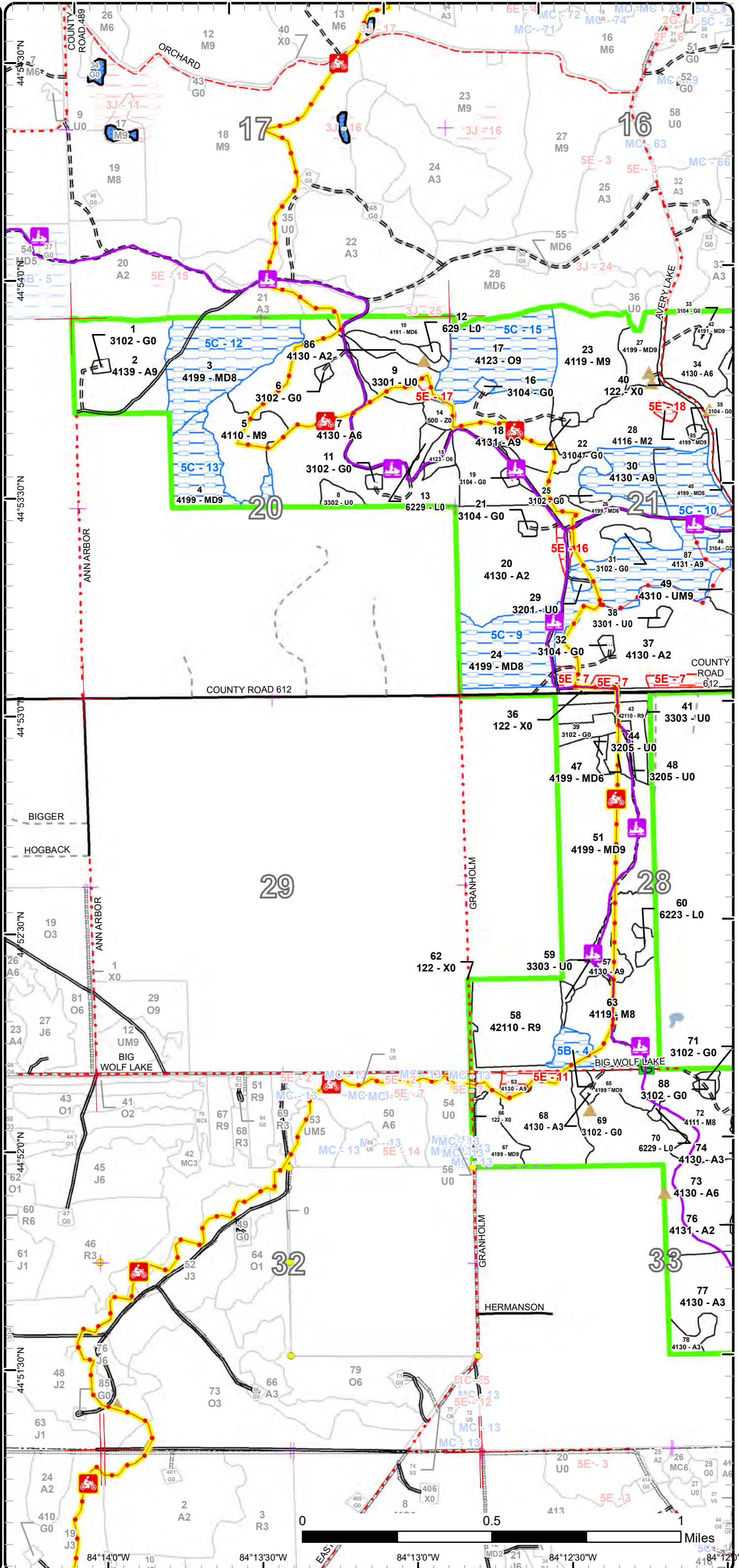


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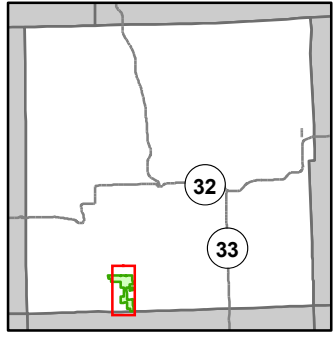


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- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Riparian Area

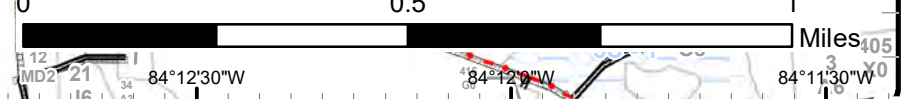
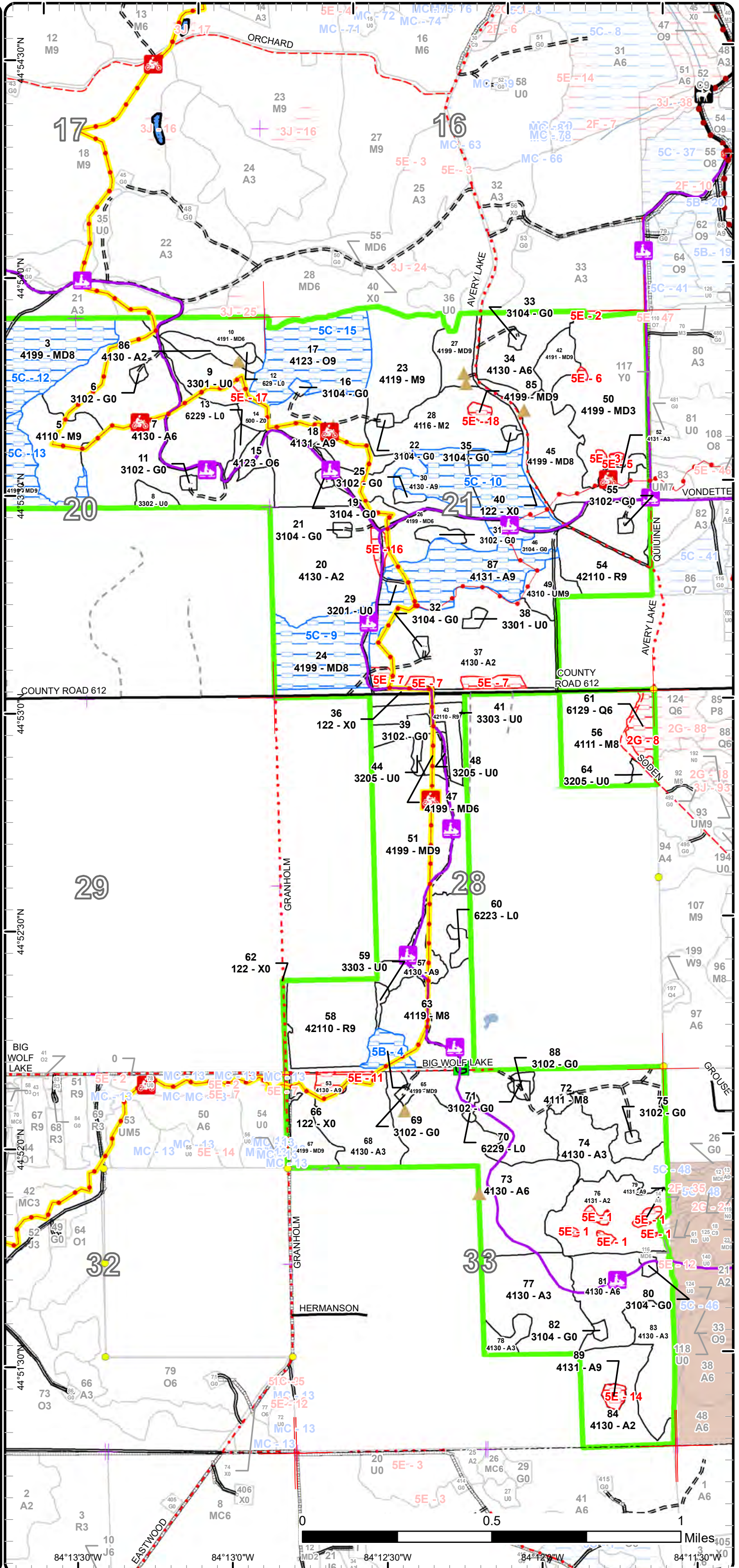


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- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- Research, Development, and Military Lands
- Riparian Area



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	178	0	90	217	15	156	5	0	0	5	0	0	0	0	0	0	31	697
Herbaceous Openland	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Low-Density Trees	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Lowland Conifers	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Shrub	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Mixed Upland Deciduous	0	0	52	0	0	33	0	12	0	95	138	0	0	0	0	0	0	0	330
Northern Hardwood	0	0	0	0	0	0	0	0	0	96	99	0	0	0	0	0	0	30	224
Oak	0	0	0	0	0	0	0	0	0	4	38	0	0	0	0	0	0	0	42
Red Pine	0	0	0	0	0	0	0	44	35	0	0	0	0	0	0	0	0	0	79
Upland Mixed Forest	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	9
Upland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Urban	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	96	178	52	90	217	57	163	61	35	195	280	0	0	0	0	0	0	61	1484



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 10
Total Compartment Acres: 1,484

Commercial Harvest - 306
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	97	0	0	0	0	0	0	0	0	97
Mixed Upland Deciduous	131	0	0	0	0	0	0	0	0	131
Red Pine	0	0	0	0	0	79	0	0	0	79
Total	228	0	0	0	0	79	0	0	0	307

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	307	0	41	0	0	0	0	0	0	347
Next Step	0	21	11	0	0	21	331	0	0	384
Total	307	21	52	0	0	21	331	0	0	732



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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	54010002-Ccr	38.7	4139 - Aspen, Mixed Deciduous	Sawtimber Well	56	Unspecified	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 5.2.4.7, 12" minimum diameter fully merchantable tree, one per two acres.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, oak, pine, maple, spruce, fir.

Regen:

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

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

18	54010018-Ccr	47.9	4131 - Aspen, Oak	Sawtimber Well	55	Unspecified	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 5.2.4.7, 12" minimum diameter fully merchantable tree, one per two acres.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, oak, pine, maple, spruce, fir.

Regen:

Other Use current, standard trail specs for safety and infrastructure protection. Consider placing retention in windfirm patch centered on trail, near stand 14.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

27	54010027-Ccr	10.7	4199 - Other Mixed Upland Deciduous	Sawtimber Well	91	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	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 help to square-up the sale. Stack slash on oak stumps, to hide from deer, elk. Include 6-inch stump spec, 2-inch diameter spec.

If natural regeneration fails, trench and plant red pine. Acceptable regeneration will then be planted red pine, Site prep may require thermal, chemical or mechanical methods.

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

Acceptable Oak, aspen, maple, fir, birch, pine. Plan B: planted red pine.

Regen:

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

Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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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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42	54010042-Cc	7.6	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	98	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	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 help to square-up the sale. Stack slash on oak stumps, to hide from deer, elk. Include 6-inch stump spec, 2-inch diameter spec.

If natural regeneration fails, trench and plant red pine. Acceptable regeneration will then be planted red pine, Site prep may require thermal, chemical or mechanical methods.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Oak, aspen, maple, fir, birch, pine. Plan B: planted red pine.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

43	54010043-CT	10.7	42110 - Planted Red Pine	Sawtimber Well	63	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Reduce BA to 120. Use 6" stump spec. Leave 25 foot buffer around footings.
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 /2024

45	54010045-Ccr	31.1	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	93	1-50	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
-----------	---------------------	------	-------------------------------------	------------------	----	------	---------	-------------------------	-------------------------------------	-----------	----

Prescription Clearcut with retention. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will help to square-up the sale. Stack slash on oak stumps, to hide from deer, elk. Include 6-inch stump spec, 2-inch diameter spec

If natural regeneration fails, trench and plant red pine. Acceptable regeneration will then be planted red pine, Site prep may require thermal, chemical or mechanical methods.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Oak, aspen, maple, fir, birch, pine. Plan B: planted red pine.
Regen:

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

Site Condition

Proposed Start Date: 10/1 /2024



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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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51	54010051-Ccr	68.0	4199 - Other Mixed Upland Deciduous	Sawtimber Well	91	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
-----------	---------------------	------	-------------------------------------	----------------	----	--------	---------	-------------------------	-------------------------------------	-----------	----

Prescription Clearcut with retention. Retain 3 to 10 percent of treatment area in one or more patches. Stack slash on oak stumps, to hide from deer, elk.
Specs:

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Oak, maple, basswood, aspen, beech, fir, spruce, pine.
Regen:

Other Use current, standard trail specs for safety and infrastructure protection. Consider placing retention in windfirm patch centered on trail.
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

54	54010054-CT	34.7	42110 - Planted Red Pine	Sawtimber Well	73	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Reduce BA to 120. Use 6" stump spec.
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 /2024

57	54010057-Cc	10.3	4130 - Aspen	Sawtimber Well	55		Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clearcut. 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, spruce, fir.
Regen:

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

Site Condition

Proposed Start Date: 10/1 /2024

58	54010058-Cut	33.2	42110 - Planted Red Pine	Sawtimber Well	68	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Reduce BA to 120. Use 6" stump spec.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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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
67 54010067-Ccr	13.6	4199 - Other Mixed Upland Deciduous	Sawtimber Well	96	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Winter cut due to forest health concerns. Retain 3 to 10 percent of treatment area in one or more patches.</p> <p><u>Specs:</u> Location(s) will help to square-up the sale. Shortwood only. Protect oak regeneration. Stack slash on oak stumps, to hide from deer, elk. Include 6-inch stump spec.</p> <p>If natural regeneration fails, trench and plant red pine. Acceptable regeneration will then be planted red pine, Site prep may require thermal, chemical or mechanical methods.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Oak, maple, basswood, aspen, beech, fir, spruce, pine. Plan B: planted red pine.</p> <p><u>Other Comment:</u> Use current, standard trail specs for safety and infrastructure protection.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

Approved Treatments:

50 54010050-Plant	40.8	4199 - Other Mixed Upland Deciduous	Sapling Well	12	Immature	Planting	Initial Plant	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Plant red pine.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> A stand in which planted red pine irrefutably dominates along with common native deciduous and coniferous associates.</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

Total Treatment Acreage Proposed: 347.3

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 10
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions				
		With Condition				5B	5C	2G	5E	
695	602	74		20	Aspen		74			20
31	31	0		0	Herbaceous Openland					
26	25	0		1	Low-Density Trees					1
7	0	0		7	Lowland Conifers				7	
8	8	0		0	Lowland Shrub					
331	227	101		3	Mixed Upland Deciduous	6	94			3
225	225	0		0	Northern Hardwood					0
42	4	38		0	Oak		38			
79	79	0		0	Red Pine					
9	9	0		0	Upland Mixed Forest					
6	6	0		0	Upland Shrub					
22	22	0		0	Urban					
3	3	0		0	Water					
1,484	1,240	212		31	Total Forested Acres	6	206	7		24
	84%	14%		2%	Relative Percent					

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	4	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 76 in-part-the SW and SE pockets were removed from the sale and too steep to harvest							
2	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 10
Year of Entry: 2025

4	Available	5B: Maintain for regeneration purposes	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Manage for white pine.							
5	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 37							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Thinned in 2017.							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	74	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Harvest in 2035.							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber : Examiner

Compartment: 10
Year of Entry: 2025

11	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Revisit in ten years.							
14	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Will hold until 2035.							
16	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 20							
17	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 9							

Report 4 – Site Conditions

Atlanta Mgt. Unit

Compartment: 10

Richard Barber : Examiner

Year of Entry: 2025

18	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 28							

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	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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1 3102 - Grass Nonstocked 1.0 gas well

2 4139 - Aspen, Mixed Deciduous Sawtimber Well 38.7 56 Unspecified N/A Few scattered large oaks left from last harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	8	Pole	8		Ironwood	Medium	>20 feet	Tall Shrub
Paper Birch	18	Pole	5		Red Maple	Low	Variable	Sapling
Bigtooth Aspen	42	Log	11	56	Sugar Maple	Medium	>20 feet	Sapling
Sugar Maple	15	Pole	8		Beech	High	10 - 20 feet	Sapling
Red Pine	2	Log/XLog	17					
Red Maple	8	Pole	6					
Red Oak	7	Log	16					

3 4199 - Other Mixed Upland Deciduous Sawtimber Medium 41.3 81 51-80 N/A Often 1-2 good logs per oak.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	2	Log	12		Beech	Medium	Variable	Sapling
Beech	10	Pole	7		Ironwood	High	Variable	Tall Shrub
Red Oak	45	Log	14	81				
Sugar Maple	40	Log/Pole	11					
Paper Birch	3	Pole	7					

4 4199 - Other Mixed Upland Deciduous Sawtimber Well 21.7 85 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	10	Pole/Log	9		Sugar Maple	Low	10 - 20 feet	Sapling
Bigtooth Aspen	4	Log/Pole	10		Beech	Medium	Variable	Sapling
White Pine	8	Log	15		White Pine	Low	< 5 feet	Sapling
Red Pine	5	XLog/Log	18		Ironwood	Low	Variable	Tall Shrub
Ironwood	3	Pole	5		Red Maple	Low	Variable	Sapling
Sugar Maple	15	Pole/Log	8					
Red Maple	15	Log/Pole	11					
Red Oak	40	Log	15	85				

5 4110 - Sugar Maple Association Sawtimber Well 22.4 87 51-80 N/A Thinned in 1976, and thinned in 2017.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	25	Log/Pole	11		Beech	Full	5 - 10 feet	Sapling
Red Oak	10	Log/Pole	13					
Beech	1	Log	15					
Red Maple	4	Pole	8					
Sugar Maple	60	Log/Pole	11	87				

6 3102 - Grass Nonstocked 1.0 gas well



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
7	4130 - Aspen	Poletimber Well	103.5	35	81-110	N/A																																																													
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8	3302 - Low Density Conifer Trees	Nonstocked	3.7			No	grass, sweet fern, sumac, jack pine, red pine, cherry, white pine.																																																												
9	3301 - Low Density Deciduous Trees	Nonstocked	14.0	2022	Unspecified	4131 - Aspen, Oak	-harvest completed 2/1/18. Clumps of oak looking dead. A few scattered beech less than 3-feet tall. Lots of blackberry.																																																												
10	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	12.4	68	51-80	N/A	wet pockets and seasonally wet.																																																												
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11	3102 - Grass	Nonstocked	1.0				gas well																																																												
12	629 - Mixed non-forested wetland	Nonstocked	1.3			No	Ponded water, surrounding area seasonally wet																																																												
13	6229 - Mixed lowland shrub	Nonstocked	2.9			No	seasonally wet. raspberry, willow, grass																																																												
14	500 - Water	Nonstocked	3.3			No	standing water, dries out to grass																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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15 4123 - Red Oak Poletimber Well 4.1 83 81-110 N/A oak runs 1-3 clear logs.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Pole/Sapling	5		White Pine	Medium	>20 feet	Sapling
Beech	4	Pole	6		White Ash	Low	< 5 feet	Seeding
Paper Birch	2	Pole	5		Red Maple	Low	Variable	Sapling
Red Maple	12	Pole/Log	8		Ironwood	Medium	Variable	Tall Shrub
Sugar Maple	8	Pole	7					
Basswood	8	Log/Pole	11					
Bigtooth Aspen	4	Pole	8					
Red Oak	60	Log/Pole	11	83				

16 3104 - Degraded Nonstocked 1.1 gas well

17 4123 - Red Oak Sawtimber Well 37.7 92 81-110 N/A Thinned in 2009. ho-hum, okay-I-guess quality.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	29	Pole	7		Beech	Full	< 5 feet	Sapling
Beech	5	Log/Pole	11		Ironwood	Medium	< 5 feet	Sapling
Red Oak	60	Log	15	92				
Ironwood	2	Pole	5					
Sugar Maple	2	Log/Pole	12					
Basswood	2	Log	13					

18 4131 - Aspen, Oak Sawtimber Well 47.9 55 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	15	Log	13		Cherry (spp.)	Low	< 5 feet	Sapling
Bigtooth Aspen	55	Log	12	55	Ironwood	Low	< 5 feet	Sapling
Northern Pin Oak	10	Pole	8					
Red Maple	20	Pole	6					

19 3104 - Degraded Nonstocked 1.1 No grass, and sweet fern

20 4130 - Aspen Sapling Medium 51.6 5 Immature N/A -cut during 8-15-17 to 5-7-18, left trees with yellow paint

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	60	Sapling	1	5	Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling
Black/Red (Hybrid) Oak	15	Sapling	1					
Red Maple	25	Sapling	1					

21 3104 - Degraded Nonstocked 1.1 gas well



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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22 3104 - Degraded Nonstocked 1.0 gas well, low area on south end with water and cattails.

23 4119 - Mixed Northern Hardwoods Sawtimber Well 30.9 89 81-110 N/A Thinned in 2009

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	20	Log	16		Sugar Maple	Low	< 5 feet	Seeding
Sugar Maple	30	Log	12	89	Ironwood	Medium	Variable	Tall Shrub
Ironwood	5	Pole	6		Beech	High	Variable	Sapling
Beech	25	Log/Pole	12					
Basswood	10	Log	13					
Red Maple	10	Pole/Log	8					

24 4199 - Other Mixed Upland Deciduous Sawtimber Medium 31.5 88 51-80 N/A Thinned in 2017, all ash, beech and aspen were also harvested.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	54	Log	16	88	Red Oak	Trace	< 5 feet	Seeding
Red Maple	21	Pole	7		Witch Hazel	Low	Variable	Tall Shrub
Basswood	15	Log	14		Red Maple	Medium	5 - 10 feet	Seeding
Sugar Maple	10	Pole	6		Beech	High	5 - 10 feet	Seeding
					Bigtooth Aspen	Low	5 - 10 feet	Seeding

25 3102 - Grass Nonstocked 1.5 No

26 4199 - Other Mixed Upland Deciduous Poletimber Well 28.9 46 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	20	Pole	7	46	Red Oak	Medium	< 5 feet	Sapling
Northern Pin Oak	15	Pole/Sapling	5		Red Maple	Medium	Variable	Sapling
White Oak	5	Pole/Sapling	5		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Bigtooth Aspen	20	Log	12					
Black/Red (Hybrid) Oak	10	Log	16					
Red Maple	25	Pole/Sapling	6	46				
White Pine	5	Pole/Sapling	5					

27 4199 - Other Mixed Upland Deciduous Sawtimber Well 10.7 91 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Log/Pole	10		Serviceberry (Juneberry)	Low	Variable	Tall Shrub
Red Oak	45	Log/Pole	10	91	Red Maple	Low	Variable	Sapling
Red Maple	25	Pole	7		Ironwood	Medium	Variable	Tall Shrub
Bigtooth Aspen	20	Log	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
28	4116 - Mixed N. Hardwood - Aspen	Sapling Medium	30.0	5	Immature	N/A	-cut complete 5-7-18, left trees (oaks clumps) with yellow paint.																																				
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Bigtooth Aspen	40	Sapling	1	5																																							
29	3201 - Sweet Fern	Nonstocked	1.1			No																																					
30	4130 - Aspen	Sawtimber Well	14.7	46		N/A																																					
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Black/Red (Hybrid) Oak	10	Log	11																																								
31	3102 - Grass	Nonstocked	2.7			No	grass and sweet fern																																				
32	3104 - Degraded	Nonstocked	1.2				gas well																																				
33	3104 - Degraded	Nonstocked	1.1				gas well, spotted napweed																																				
34	4130 - Aspen	Poletimber Well	23.0	37		N/A																																					
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35	3104 - Degraded	Nonstocked	1.0				gas well																																				
36	122 - Road/Parking Lot	Nonstocked	7.9			No	CO RD 612 and ROW.																																				
37	4130 - Aspen	Sapling Medium	66.6	5	Immature	N/A	-completed clearcut 7/23/18 -left 3-5 oak in clumps with yellow paint																																				
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38	3301 - Low Density Deciduous Trees	Nonstocked	1.5			No	mostly bracken fern with scattered aspen, birch, oak, cherry																																				



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39	3102 - Grass	Nonstocked	5.9			No																																																		
40	122 - Road/Parking Lot	Nonstocked	6.1			No	road and right of way																																																	
41	3303 - Mixed Low Density Trees	Nonstocked	5.6			No	grass, scattered trees (oak, aspen, white pine)																																																	
42	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	7.6	98	81-110	N/A																																																		
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43	42110 - Planted Red Pine	Sawtimber Well	10.7	63	171-200	N/A	recent 3rd row thinning in 2010/2011. couple old foundations within the stand																																																	
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44	3205 - Mixed Upland Shrub	Nonstocked	1.5			No	sumac, scattered aspen, oak, cherry, and white pine																																																	
45	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	31.1	93	1-50	N/A	low quality scrub trees. lots of dead oak.																																																	
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46	3104 - Degraded	Nonstocked	2.8				gas compressor facility, surrounded with grass.																																																	



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47	4199 - Other Mixed Upland Deciduous	Poletimber Well	3.9	47	51-80	N/A	Poor quality hardwood and aspen stems. Thick young sapling and brush understory																																																																							
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48	3205 - Mixed Upland Shrub	Nonstocked	1.1			No																																																																								
49	4310 - Pine, Oak Mix	Sawtimber Well	9.0	46	81-110	N/A																																																																								
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50	4199 - Other Mixed Upland Deciduous	Sapling Well	52.4	12	Immature	N/A	<p>Aerial herbicide application was completed on 7/13/2022. Trenching was completed on 5/3/2021. Sale complete January 2019. Removed mature red pine in pockets. Inventory above is "remote" but I didn't want to lose species data (DN 04/12/2019).</p> <p>Approx 20% (10 acres) were left in pockets for retention after the cut in 2010. MO is RP and there are no RP regeneration present. Visual regeneration survey performed 7/16/2018. Advanced regen reaches 6-8 feet tall and consists of aspen, red maple, red oak, and black cherry.</p> <p>Possible oak wilt located in the northeast and southeast edge along the road, with definite oak wilt located on the east edge next to the road.</p>																																																																							
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51	4199 - Other Mixed Upland Deciduous	Sawtimber Well	68.0	91	81-110	N/A	thinned in 2009																																																																							
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52	4131 - Aspen, Oak	Sapling Well	3.8	26	Immature	N/A	Scattered red pine and oak in pole and saw classes.																																																															
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53	4130 - Aspen	Sawtimber Well	4.6	60		N/A	-left as area retention for stand 68 to the south that was cut 8/15/17 -few scattered large diameter red and white pine along wolf lake rd. There's an old rail way that directs the stand from NW to SE.																																																															
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54	42110 - Planted Red Pine	Sawtimber Well	34.7	73	141-170	N/A																																																																
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55	3102 - Grass	Nonstocked	1.0				gas well																																																															
56	4111 - S.Maple, Hard Mast Association	Sawtimber Medium	31.1	91	51-80	N/A	thinned a few times in the past, well formed crowns on log trees and lots of hwd regen sap to pole size. BA is quite variable throughout with many regen gaps from the last thinning. wet seep in the middle of stand. Thinned in 2017, all ash, beech and aspen were also harvested.																																																															
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58	42110 - Planted Red Pine	Sawtimber Well	33.2	68	141-170	N/A	Timber sale Foundational Red Pine complete 9/3/2019. Stand was thinned to 120-130 BA																																																													
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59	3303 - Mixed Low Density Trees	Nonstocked	1.4			No	bracken fern, scattered red pine, aspen, cherry, witch hazel.																																																													
60	6223 - Inundated Shrub Swamp	Nonstocked	2.7			No	Pot holes with standing water and low density trees/shrubs																																																													
61	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	7.1	54	Unspecified	N/A	white pine and hardwoods along edge near road with lowland conifers throughout.																																																													
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62	122 - Road/Parking Lot	Nonstocked	5.6			No	road right of way and pipeline with grass																																																													
63	4119 - Mixed Northern Hardwoods	Sawtimber Medium	42.5	82	51-80	N/A	hilly, couple of pools of water in the center (spit water potholes out as it's own stand) Thinned in 2017, all ash, beech and aspen were also harvested. Note possible low wet areas in the south and east.																																																													
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64	3205 - Mixed Upland Shrub	Nonstocked	2.4			No	grass, sumac, bracken fern, scsttered trees																																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
65	4199 - Other Mixed Upland Deciduous	Sawtimber Well	6.3	98	81-110	N/A	Aspen was removed in 1965. Aspen, white pine, and red maple filled in under/throughout the oak																																																											
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68	4130 - Aspen	Sapling Well	26.0	6	Immature	N/A	-clearcut complete 8/15/17 -left a clump of 3 oaks per acre where oaks are present; left all large diameter red/white pines along the rd for legacy trees and aesthetics. -few scattered large diameter red and white pine along wolf lake rd. There's an old rail way that disects the stand from NW to SE.																																																											
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69	3102 - Grass	Nonstocked	0.9				gas well																																																											
70	6229 - Mixed lowland shrub	Nonstocked	1.0			No	Standing water, shrubs and low density hardwood trees																																																											
71	3102 - Grass	Nonstocked	1.2			No																																																												
72	4111 - S.Maple, Hard Mast Association	Sawtimber Medium	67.9	95	51-80	N/A	Thinned in 2017, all ash, beech and aspen were also harvested.																																																											
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74	4130 - Aspen	Sapling Well	22.9	25	Immature	N/A	approx 20 ba or less of sawlog size oak and mixed hdwds with well established aspen stand under it.																																																		
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79	4131 - Aspen, Oak	Sawtimber Well	2.8	95		N/A	-was originally part of stand 76 that was clearcut 8/15/17																																																												
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84	4130 - Aspen	Sapling Medium	26.8	6	Immature	N/A	-clearcut complete 8/15/17 -left scattered 2-3 oak in clumps																																																												
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85	4199 - Other Mixed Upland Deciduous	Sawtimber Well	1.5	93	81-110	N/A	-cut complete 5-7-18, left trees (oaks clumps) with yellow paint																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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87 4131 - Aspen, Oak Sawtimber Well 58.9 57 81-110 N/A -was originally part of stand 37 which was recently clearcut 7/24/18

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	2	Log/Pole	12		Red Oak	Low	< 5 feet	Sapling
Red Maple	10	Pole/Log	8		White Pine	Low	< 5 feet	Sapling
White Pine	3	Log	16		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	35	Log	16	85	Red Maple	High	Variable	Sapling
Bigtooth Aspen	50	Log	12	57				

88 3102 - Grass Nonstocked 1.3 gas well

89 4131 - Aspen, Oak Sawtimber Well 2.1 90 N/A -area retention for adjacent stand 84 that was clearcut

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	35	Log	12		Red Maple	Medium	Variable	Sapling
Bigtooth Aspen	50	Log	13	90	Witch Hazel	High	Variable	Tall Shrub
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