



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54069

Entry Year 2026

Acreage: 2,383

County: Montmorency

Management Area: Presque Isle Lake and Till Plains

Stand Examiner: Darrick Coy

Legal Description:

T32N, R03E, Sec. 5, 8, 16 and 17

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan. Prescribed harvests will help balance aspen age classes and other cover types, sustainably produce various timber products, enhance game and non-game wildlife habitat, and provide for forest-based recreational uses.

Soil and topography:

Soils are mostly sand and sandy loam complexes. Overall, the topography is rolling to flat. The dominant cover types are lowland conifer and aspen. The compartment forest habitat types are mostly PARVHa, PARVVb, and Unclassified Lowland.

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

The compartment is State land ownership except for a 120-acre parcel in section 17. Land use within the area comes from the private residential area to the south and a large amount of hunting activities in the compartment.

Unique Natural Features:

Features exist and have been reported by MNFI within this compartment:

Element Occurrences- Eastern Massasauga

Potential Occurrences- Eastern Massasauga

Contact Michigan Natural Features Inventory for more information or reporting. All proposed management activities have taken these concerns into consideration.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Contact the State Historical Preservation Office for more information or reporting of new sites.

Special Management Designations or Considerations:

This compartment contains Eastern Massasauga High Conservation Value Area managed land in all of sections 5 and 8. Any management activities must follow the Candidate Conservation Agreement with Assurances for the Eastern Massasauga Rattlesnake in Michigan. It is recommended to contact the Biodiversity and Conservation Program Leader, reference the Candidate Conservation Agreement with Assurances, and follow Work Instruction 1.4 when conducting management operations within or nearby sections 5 and 8.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

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

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial production of metallic minerals in this part of the state. No known active sand/gravel operations exist in the area. There may be potential for sand & gravel in the compartment on the uplands, 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. The compartment is north of the Antrim Shale gas play, and the Antrim Shale is absent here. The compartment also appears to be outside the Silurian reef trend. Several wells have been drilled within the compartment in the past to test for Silurian reef reservoirs, but all were dry holes. There has been no recent well

permit activity nor oil & gas leasing activity involving State-owned mineral rights in or around the compartment. No known potential exists for oil & gas from other known producing formations.

Vehicle Access:

State forest roads with sections only accessible outside of spring.

View the status of state forest roads open to use within the Michigan DNR interactive roads viewer website.

Survey Needs:

None.

Recreational Facilities and Opportunities:

Opportunities for hunting, wildlife viewing, and mushrooming in the area. The Atlanta ORV trail and route runs through the compartment in sections 5 and 8.

View the status of state forest roads and trails open to motorized and non-motorized use within the Michigan DNR interactive road and trail viewer websites.

Fire Protection:

The Atlanta Field Office coverage area. Response time is delayed due to the need to use a significant amount of gravel roads and state forest roads.

Additional Compartment Information:

The following reports from the Inventory are attached:

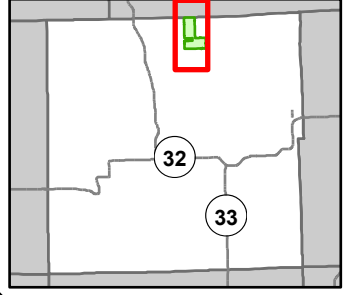
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

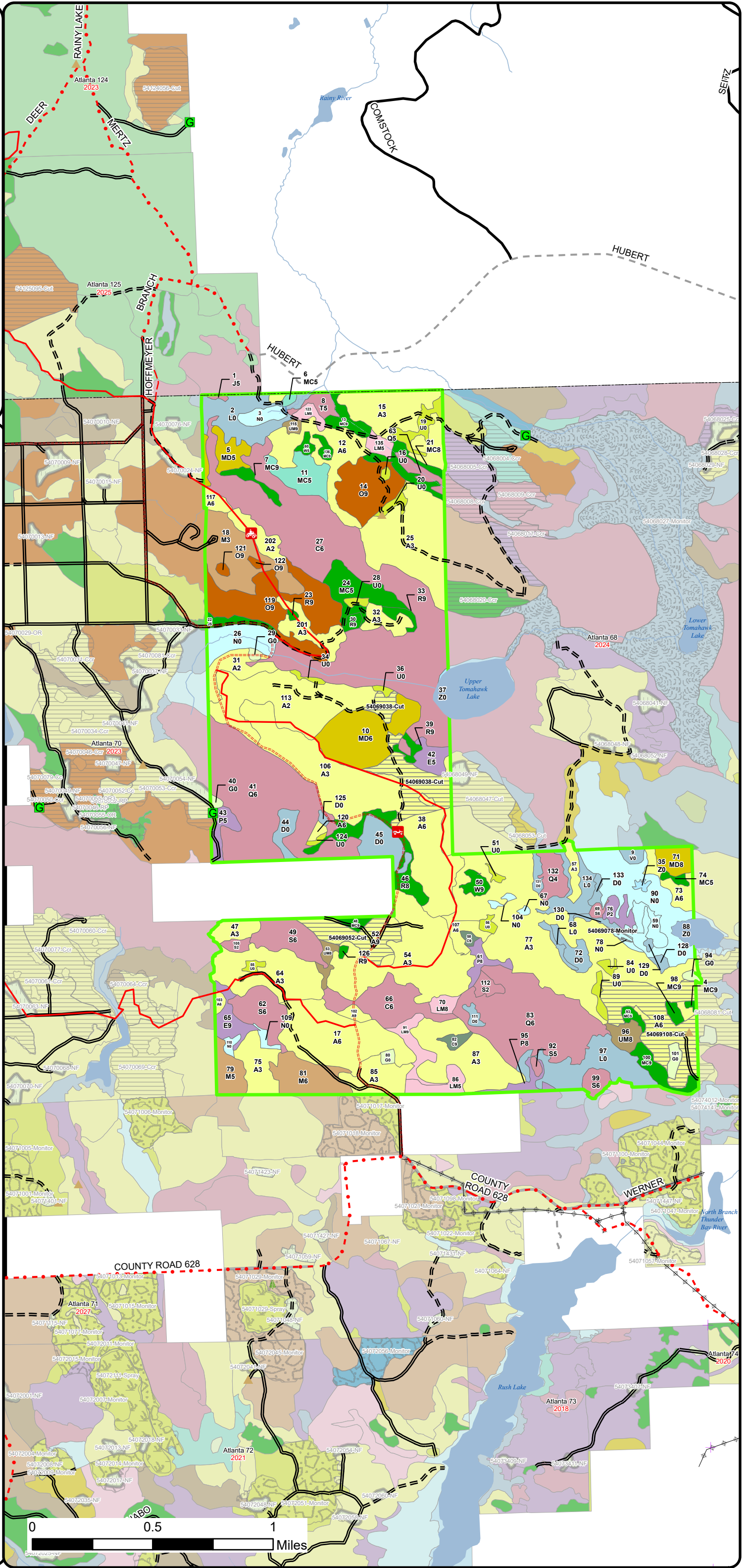
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 54069
 T32N, R3E, Sec: 5, 8, 16, 17
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Presque Isle Lake and Till Plains
 YOE: 2026
 Acres: 2383.5 GIS Calculated
 Examiner: Darrick Coy
 Map Revised: 09/09/2024
 Map Phase: Web Post

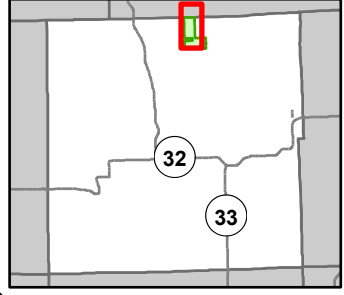


- Berms
- Gate
- Culvert
- Tree (marking)
- Remonumented Section Corners
- ORV Trails
- ORV Routes
- Designated ATV Trails
- Designated ORV Route
- DNR - Secondary Forest Road
- DNR - Forest Access Route
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- Compartment Boundary
- Clearcut (w/Reserves)
- Regeneration Survey
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
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- 429 - Mixed Upland Conifers
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- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

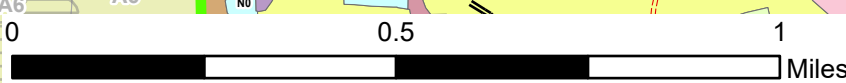
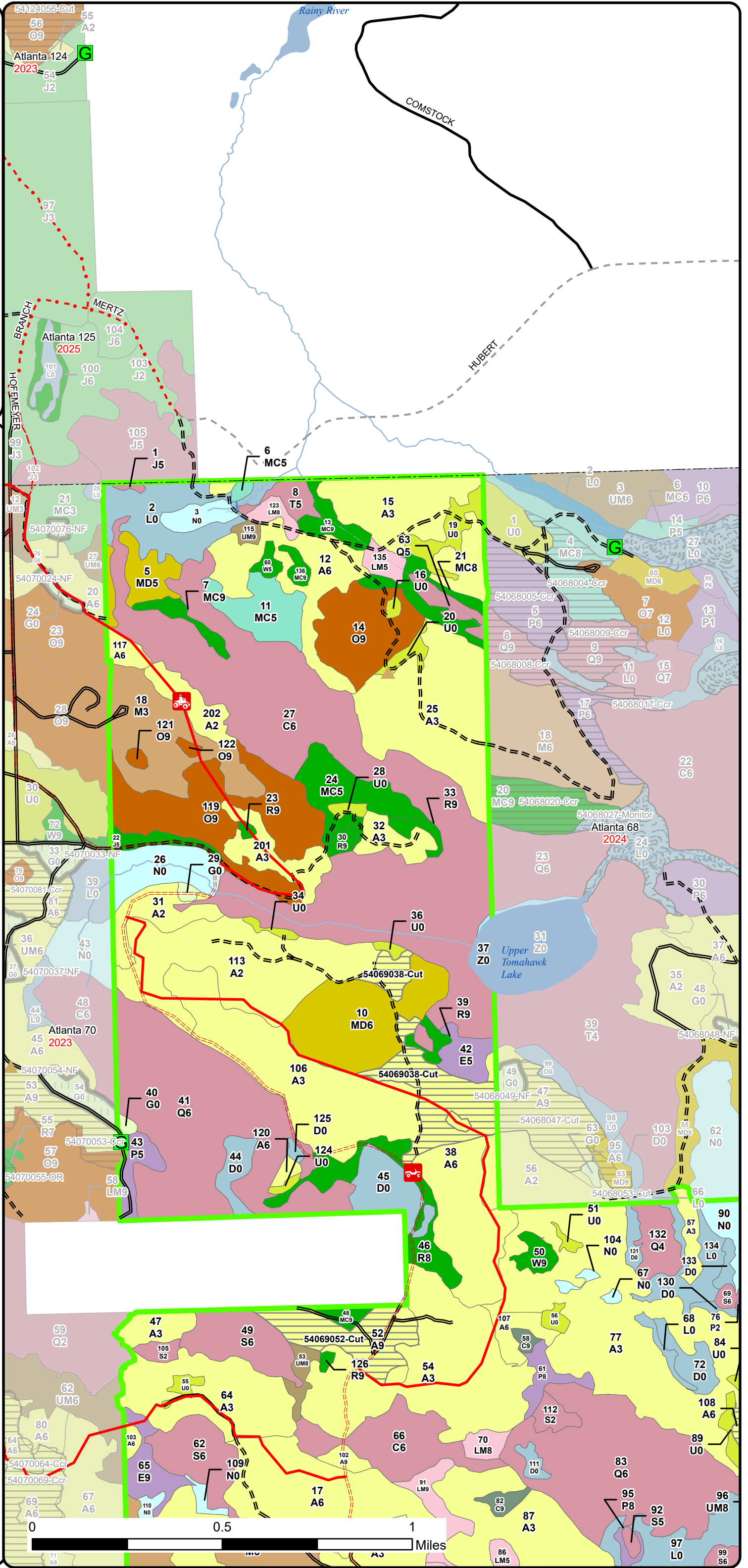


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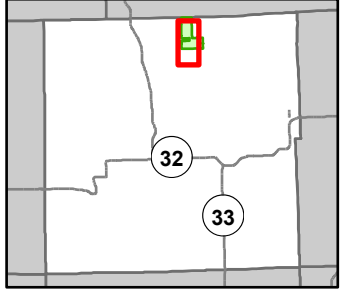


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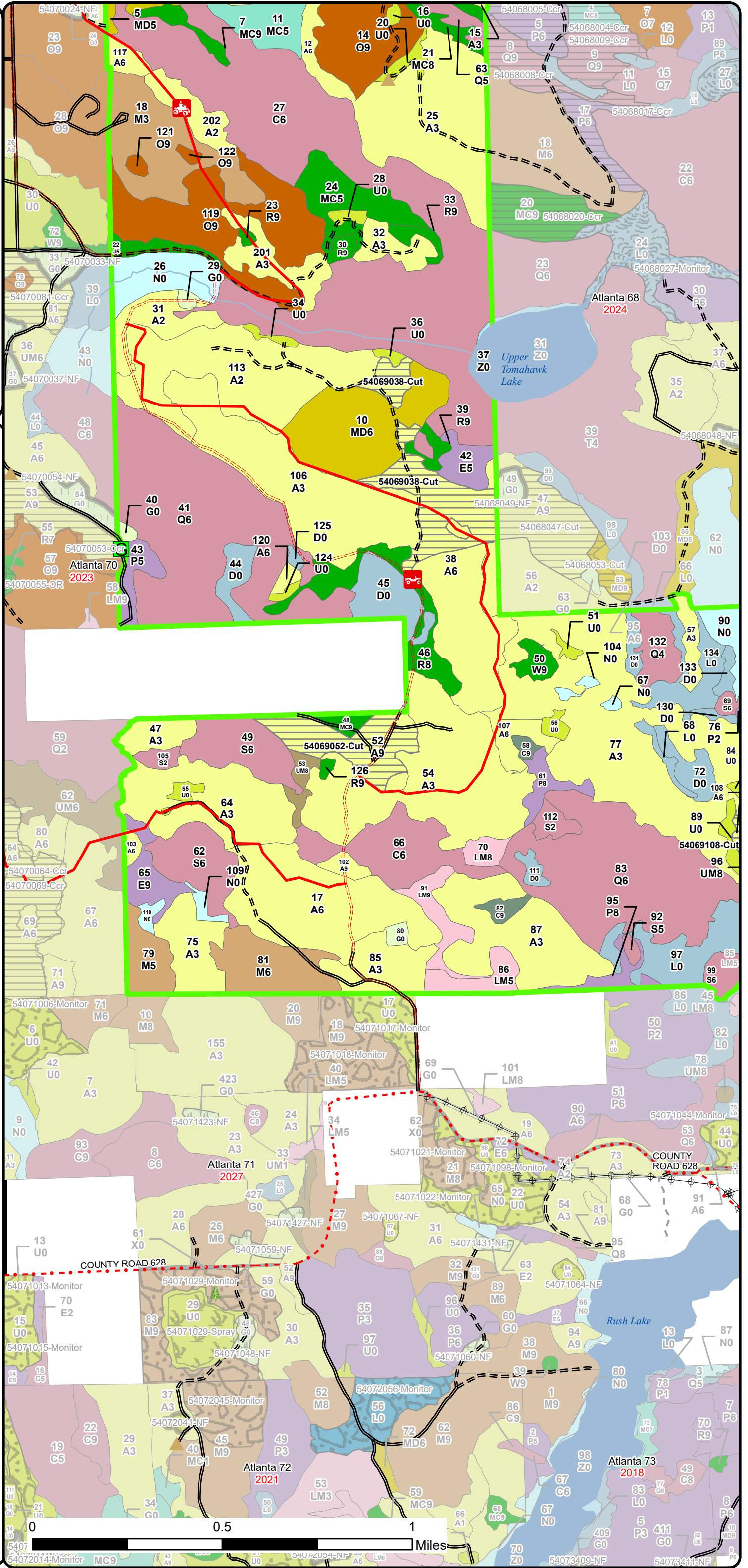


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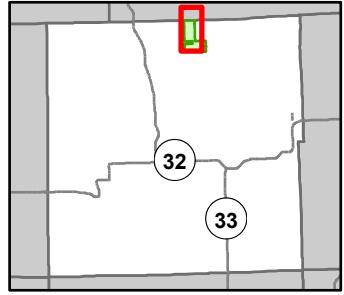
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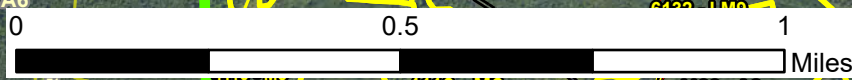
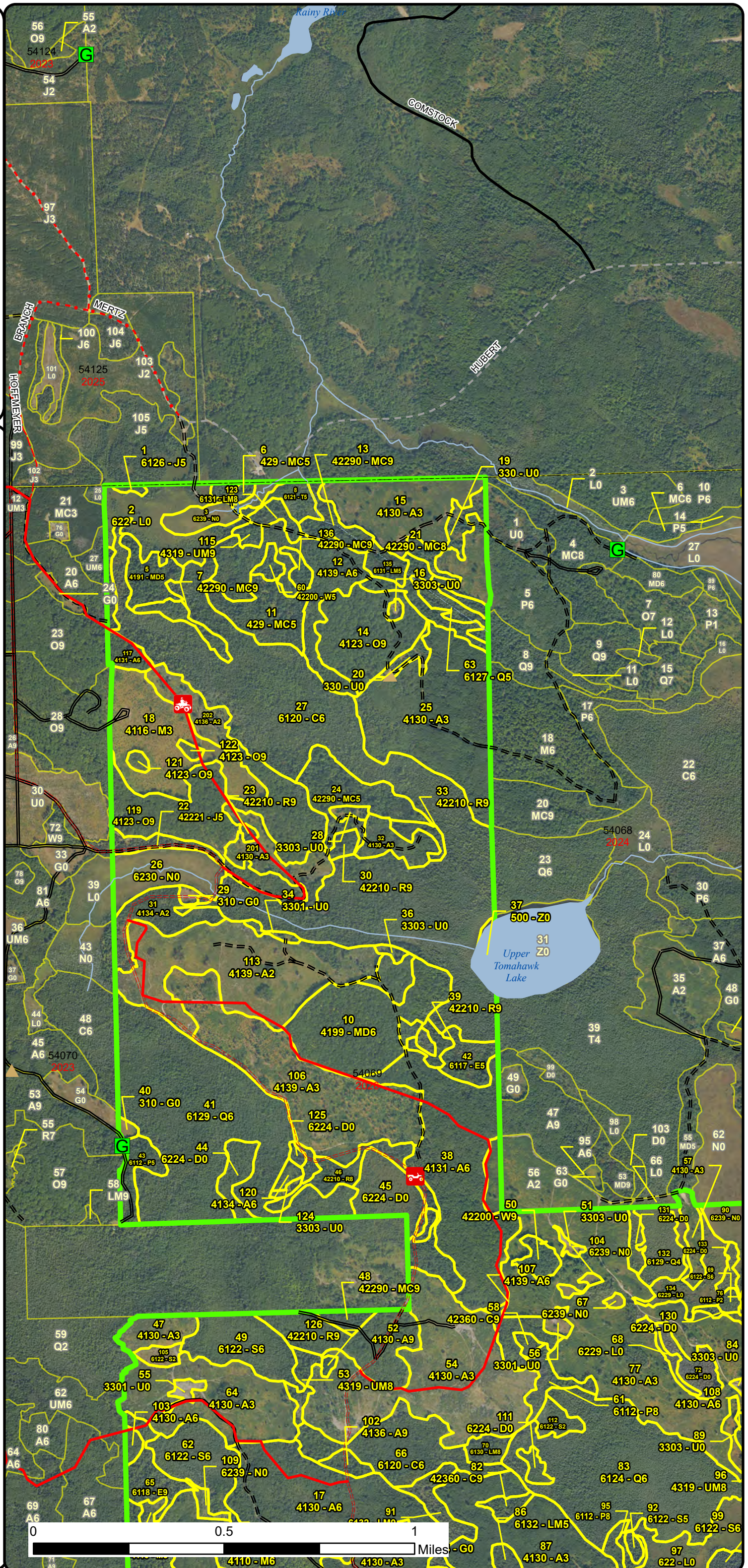
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Stand Boundary Map

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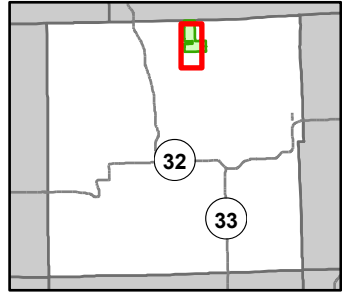


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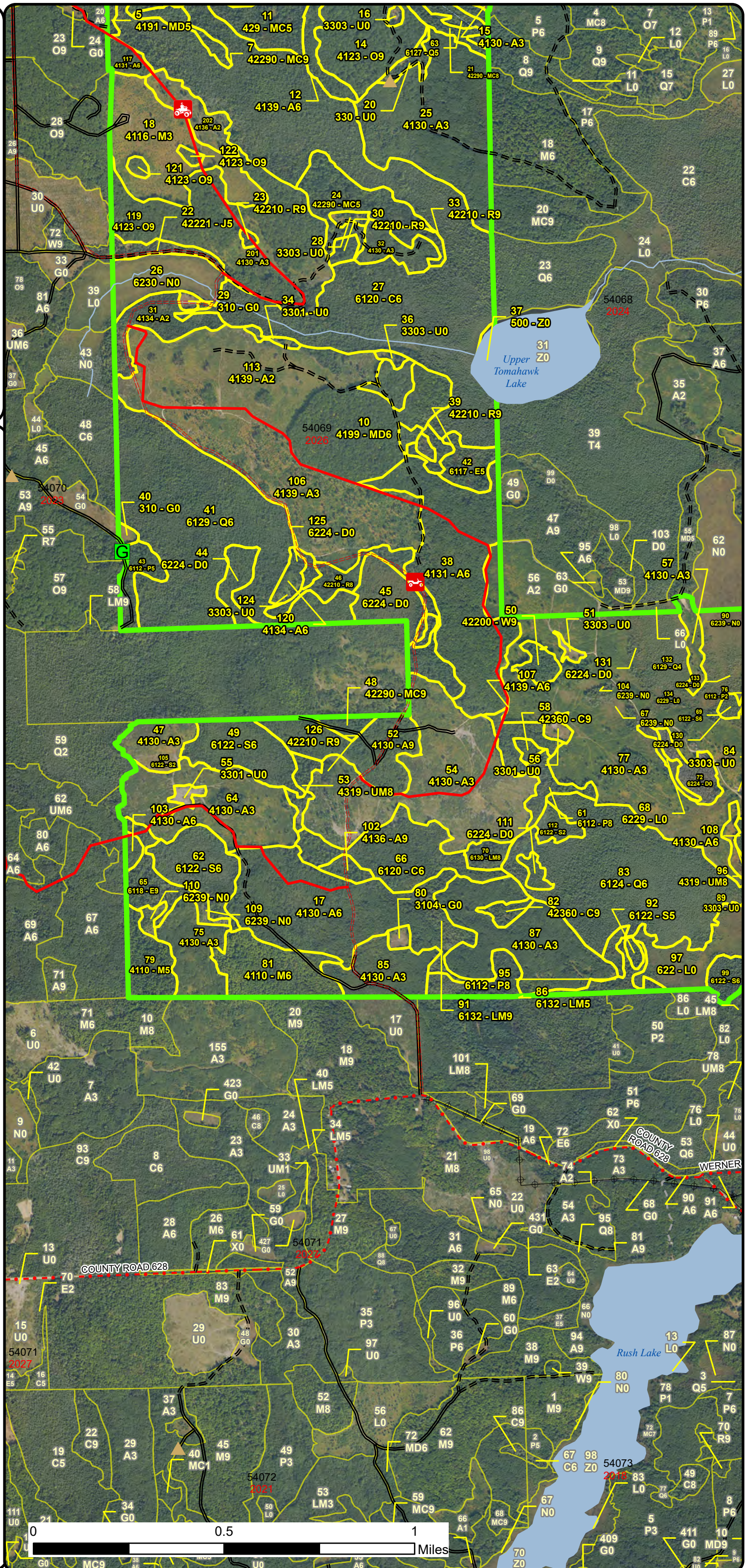


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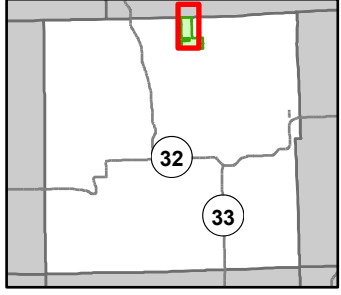


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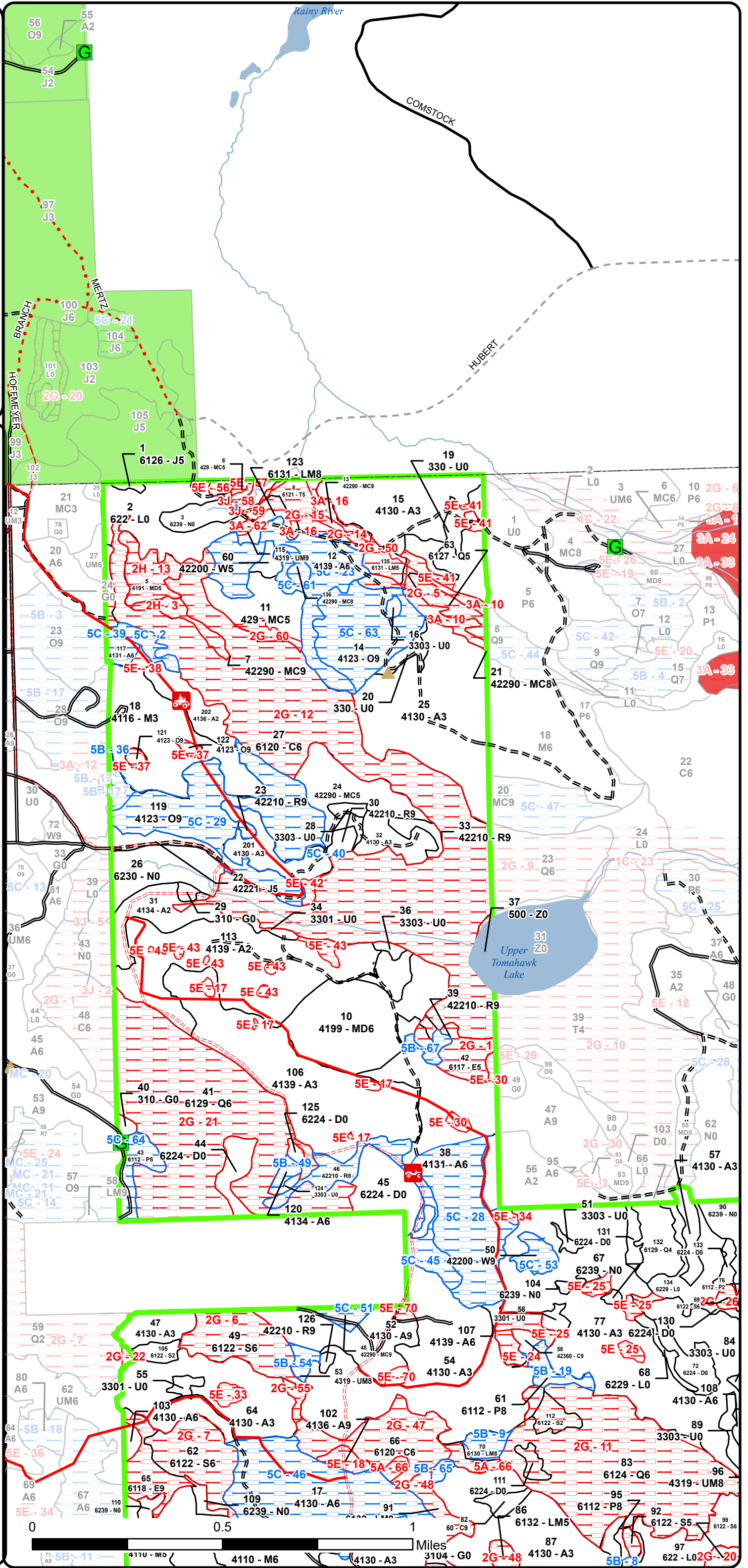


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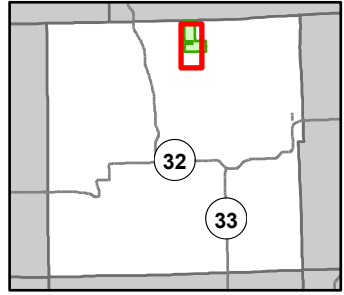


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- Unavailable
- 5B: Maintain for regeneration purposes

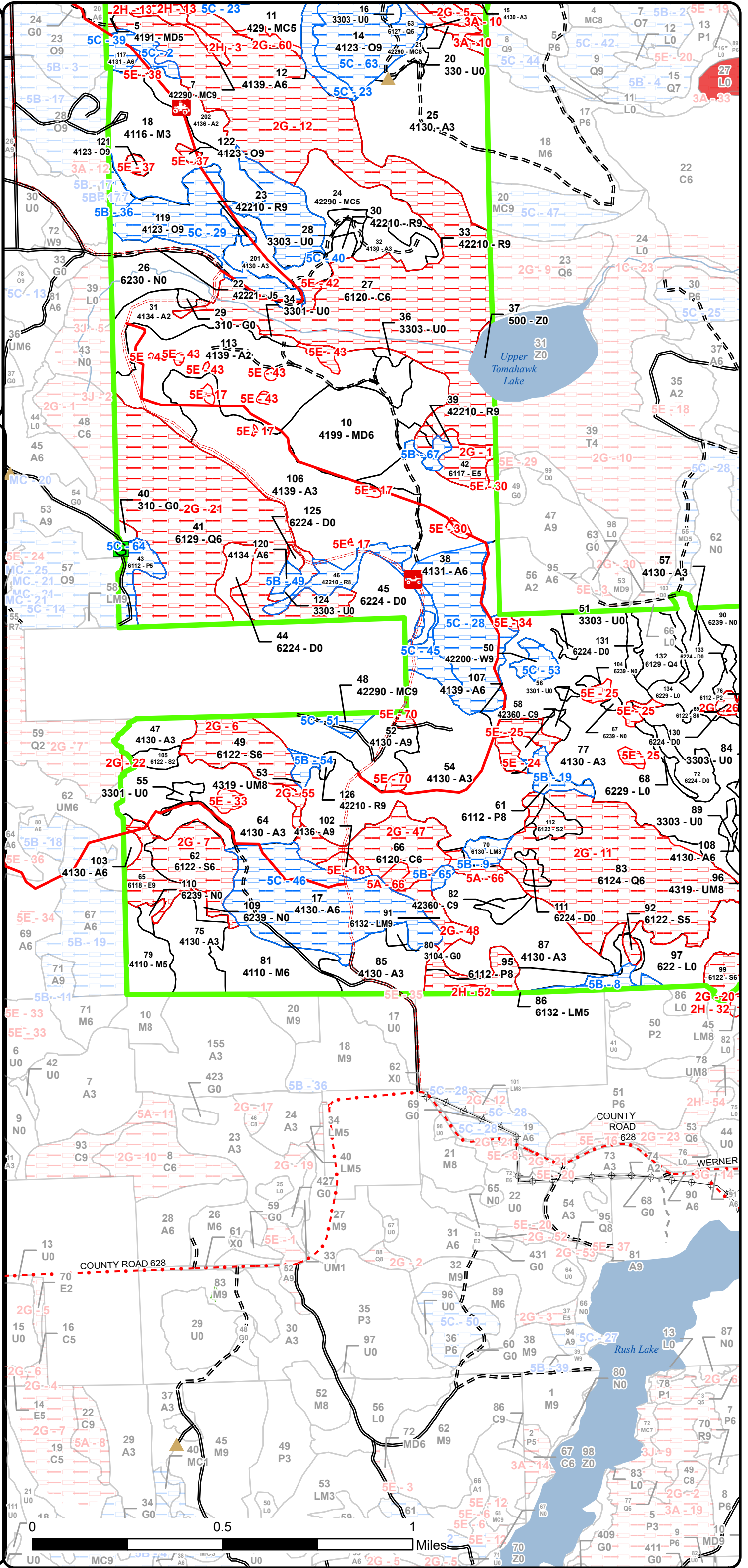


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Report 1 – Total Acres by Cover Type and Age Class



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	453	115	66	79	11	253	38	4	0	0	0	0	0	0	0	0	0	1019
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Cedar	0	0	0	0	0	0	0	0	0	0	0	2	0	228	36	0	0	0	266
Herbaceous Openland	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Jack Pine	0	0	0	0	0	6	1	0	0	0	0	0	0	0	0	0	0	0	7
Low-Density Trees	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Lowland Aspen/Balsam Poplar	0	7	0	0	0	9	0	0	0	0	0	14	0	0	0	0	0	0	30
Lowland Conifers	0	0	0	0	0	0	18	0	0	94	0	0	0	0	121	0	0	0	233
Lowland Deciduous	0	0	0	0	0	0	10	0	0	0	0	12	0	0	0	0	0	0	22
Lowland Mixed Forest	0	0	0	0	0	0	10	0	0	0	0	5	21	0	0	0	0	0	36
Lowland Shrub	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88
Lowland Spruce/Fir	0	3	0	0	0	0	0	0	2	14	0	0	0	45	0	0	0	0	64
Marsh	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100
Mixed Upland Deciduous	0	0	0	0	0	0	61	0	0	10	0	0	0	0	0	0	0	0	71
Natural Mixed Pines	0	0	0	0	23	2	0	3	0	15	0	7	12	6	9	0	0	0	76
Northern Hardwood	0	43	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	83
Oak	0	0	0	0	0	0	0	0	0	0	0	95	0	0	0	0	0	0	95
Red Pine	0	0	0	0	0	0	0	0	21	0	10	1	0	1	0	0	0	0	33
Tamarack	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6
Treed Bog	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Upland Conifers	0	0	0	0	0	0	2	19	0	0	0	0	0	0	0	0	0	0	21
Upland Mixed Forest	0	0	0	0	0	5	2	0	0	8	0	0	0	0	0	0	0	0	15
Water	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
White Pine	0	0	0	0	0	0	0	3	0	0	0	5	0	0	0	0	0	0	8
Total	297	506	115	66	102	33	357	63	27	181	10	147	33	280	166	0	0	0	2380



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 69

Total Compartment Acres: 2,383

Commercial Harvest - 119
 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	119	0	0	0	0	0	0	0	0	119
Total	119	0	0	0	0	0	0	0	0	119

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	119	0	0	0	0	1	0	0	0	120
Next Step	0	0	0	0	0	119	0	0	0	119
Total	119	0	0	0	0	120	0	0	0	239



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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:

47	54068047-Cut	27.3	4130 - Aspen	Sawtimber Well	58	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> -clearcut</p> <p><u>Specs:</u> -leave all white pine not to exceed a cumulative residual BA of 10 (should not need to mark to leave) -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer) -include grouse specification with timber sale specifications, recommend marking to leave -add brush pile specs for lengths along adjacent lowland -leave all trees over 26" DBH, if present</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -aspen, pine, maple, oak, spruce, and fir of medium to high stocking</p> <p><u>Other Comment:</u> -only allow harvest operations and feller bunching/hydro-axe equipment use between Oct 1st-April 1st to protect potential species of concern -advertise as a 3 yr contract due to shorter harvesting period -include adjacent compartment 69 clearcut treatment in the same timber sale</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

53	54068053-Cut	4.5	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	106	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> -clearcut</p> <p><u>Specs:</u> -leave all white pine not to exceed a cumulative residual BA of 10, if present (should not need to mark to leave) -no area retention necessary due to small harvest size and too wet exclusion along east edge -leave all trees over 26" DBH, if present</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -aspen, pine, maple, oak, spruce, and fir of medium to high stocking -also accept upland mixed deciduous cover type objective</p> <p><u>Other Comment:</u> -only allow harvest operations and feller bunching/hydro-axe equipment use between Oct 1st-April 1st to protect potential species of concern -advertise as a 3 yr contract due to shorter harvesting period -include adjacent compartment 69 clearcut treatment in the same timber sale</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

81	54068081-Cut	38.8	4130 - Aspen	Sawtimber Well	53	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> -clearcut</p> <p><u>Specs:</u> -leave all white pine, if present, not to exceed a cumulative residual BA of 10 (should not need to mark to leave) -leave 3-10% in retention pocket(s) along south end of lake and in areas that are too wet (already excluded- see site conditions layer) -include grouse specification with timber sale specifications, recommend marking to leave -add brush pile specs for lengths along adjacent lowland -leave all trees over 26" DBH, if present</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -aspen, pine, maple, oak, spruce, and fir of medium to high stocking</p> <p><u>Other Comment:</u> -only allow harvest operations and feller bunching/hydro-axe equipment use between Oct 1st-April 1st to protect potential species of concern -advertise as a 3 yr contract due to shorter harvesting period -include adjacent compartment 69 clearcut treatments in the same timber sale</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</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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38	54069038-Cut	37.2	4131 - Aspen, Oak	Poletimber Well	54	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription -partial stand clearcut

Specs:
 -leave all white pine not to exceed a cumulative residual BA of 10 (should not need to mark to leave)
 -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer)
 -include grouse specification with timber sale specifications, recommend marking to leave
 -add brush pile specs for lengths along adjacent lowland
 -leave all trees over 26" DBH, if present
 -protect Atlanta ORV trail and route in timber sale specifications

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: -aspen, pine, maple, oak, spruce, and fir of medium to high stocking

Other

-only allow harvest operations and feller bunching/hydro-axe equipment use between Oct 1st-April 1st to protect potential species of concern

Comment:

-advertise as a 3 yr contract due to shorter harvesting period
 -include adjacent compartment 68 clearcut treatment in the same timber sale

Site Condition:

Proposed Start Date: 10/1 /2025

52	54069052-Cut	26.2	4130 - Aspen	Sawtimber Well	65	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
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Prescription -clearcut

Specs:
 -leave all white pine not to exceed a cumulative residual BA of 10 (should not need to mark to leave)
 -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer)
 -include grouse specification with timber sale specifications, recommend marking to leave
 -protect Atlanta ORV trail and route in timber sale specifications

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: -aspen, pine, maple, oak, and fir of medium to high stocking

Other

-only allow harvest operations and feller bunching/hydro-axe equipment use between Oct 1st-April 1st to protect potential species of concern

Comment:

-advertise as a 3 yr contract due to shorter harvesting period
 -include adjacent compartment 68 clearcut treatment in the same timber sale

Site Condition:

Proposed Start Date: 10/1 /2025

108	54069108-Cut	55.4	4130 - Aspen	Poletimber Well	57	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
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Prescription -clearcut

Specs:
 -leave all white pine not to exceed a cumulative residual BA of 10 (should not need to mark to leave)
 -leave 3-10% in retention pocket(s) (already excluded- see site conditions layer)
 -include grouse specification with timber sale specifications, recommend marking to leave
 -leave all trees over 26" DBH, if present

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: -aspen, pine, maple, oak, spruce, and fir of medium to high stocking

Other

-only allow harvest operations and feller bunching/hydro-axe equipment use between Oct 1st-April 1st to protect potential species of concern

Comment:

-advertise as a 3 yr contract due to shorter harvesting period
 -include adjacent compartment 68 clearcut treatment in the same timber sale

Site Condition:

Proposed Start Date: 10/1 /2025

Approved Treatments:

78	54069078-Monitor	1.3	6239 - Mixed Emergent Wetland	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	No
----	------------------	-----	-------------------------------	------------	---	-------------	------------	------------------------------	--	-----------	----



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Prescription -survey regeneration per Work Instructions during next inventory

Specs:

Next Step

Treatments:

Acceptable Regen: -acceptable regeneration is black spruce, fir, rm, aspen, and ash of medium to high stocking

Other

Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

**Total Treatment
Acreage Proposed: 190.7**

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Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions											
		With Condition	Not Available		5B	5C	2G	2H	3A	3J	5A	5E			
1019	829	149	41	Aspen	2	147	1		0						40
4	4	0	0	Bog											
266	6	5	255	Cedar	0	5	250	0				5		0	
11	11	0	0	Herbaceous Openland											
7	7	0	0	Jack Pine											
33	33	0	0	Low-Density Trees											0
30	8	20	2	Lowland Aspen/Balsam Poplar	11	9	2								1
234	14	0	220	Lowland Conifers			220								
21	0	0	21	Lowland Deciduous			21								
36	2	6	27	Lowland Mixed Forest	6		25	1	1	0	1				
88	87	0	1	Lowland Shrub	0		0	0		0					1
64	4	0	60	Lowland Spruce/Fir	0		60								
100	100	0	0	Marsh			0								0
71	49	10	12	Mixed Upland Deciduous		10	1	11							
77	25	25	26	Natural Mixed Pines		25	3	6	17						0
84	83	0	0	Northern Hardwood	0	0									0
95	1	92	3	Oak	3	89			0						3
33	7	24	1	Red Pine	3	22	1								
6	0	0	6	Tamarack			5				1				
50	47	0	3	Treed Bog			3								
21	16	0	5	Upland Conifers			3				1				1
16	1	11	3	Upland Mixed Forest	11	0	2		1						
11	11	0	0	Water			0								
8	3	5	0	White Pine		5									
2,383	1,348	349	687	Total Forested Acres	36	312	597	18	19	2	6				45
	57%	15%	29%	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	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

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2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 108							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23		Unspecified	Unspecified	Unspecified
Comments: -area of stagnant growth and soil saturation-very old saplings							

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7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5B: Maintain for regeneration purposes	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5B: Maintain for regeneration purposes	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3A: Conservation Values incompatible with harvest at this time	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	105	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	225	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	11	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3A: Conservation Values incompatible with harvest at this time	7	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 59							

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19	Available	5B: Maintain for regeneration purposes	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	121	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area of stagnant growth and soil saturation-very old saplings							
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 54							

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25	Unavailable	5E: Long-Term Retention	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 77							
26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	58	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 64							
34	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 38							
35	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 76							
36	Available	5B: Maintain for regeneration purposes	4	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments: -high adv. wp regeneration							
37	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 18							

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38	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 202							
39	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	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	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 15							
42	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 201							
43	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Available	5B: Maintain for regeneration purposes	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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45	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	64	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
49	Available	5B: Maintain for regeneration purposes	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
50	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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51	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
52	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
53	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -natural pine							
54	Available	5B: Maintain for regeneration purposes	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
55	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
56	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 12							

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57	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
58	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
59	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
60	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
61	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
62	Unavailable	3A: Conservation Values incompatible with harvest at this time	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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63	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
64	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
65	Available	5B: Maintain for regeneration purposes	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
66	Unavailable	5A: Not able to obtain desirable regeneration	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
67	Available	5B: Maintain for regeneration purposes	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
68	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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69	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
70	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 52							

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Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water 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.
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	6126 - Lowland Jack Pine	Poletimber Medium	1.1	52		N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		100	Pole/Sapling	6	52	Tag Alder	Medium	5 - 10 feet	Tall Shrub

2	622 - Lowland Shrub	Nonstocked	31.1			No	
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3	6239 - Mixed Emergent Wetland	Nonstocked	7.0			No	
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4	42290 - Natural Mixed Pine	Sawtimber Well	1.0	86	111-140	N/A	-significant white ash presence in subcanopy		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		20	Pole/Log	8		Beech	Medium	Variable	Sapling
Red Pine		55	Log/XLog	16	86	White Ash	Medium	Variable	Sapling
White Pine		25	Log/XLog	15					

5	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	14.1	56	51-80	N/A	-fairly remote transitional island deciduous stand -down and dead trees are common -hard to tell if this stand has ever been managed, doesn't appear to have been		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		15	Pole	7		Red Maple	Medium	Variable	Sapling
Balsam Poplar		5	Pole/Log	9		Balsam Fir	Medium	Variable	Sapling
Red Maple		40	Pole	7	56	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen		17	Log/Pole	13		Black Spruce	Low	Variable	Sapling
Red Pine		3	Log	15					

6	429 - Mixed Upland Conifers	Poletimber Medium	1.6	55	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		25	Pole/Log	8	55	Northern Pin Oak	Low	Variable	Sapling
Balsam Fir		20	Pole	7		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen		15	Pole	8		White Pine	Medium	Variable	Sapling
Northern Pin Oak		10	Pole	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
White Pine		15	Pole/Log	8					
Red Oak		15	Log	14					

7	42290 - Natural Mixed Pine	Sawtimber Well	5.6	121	141-170	N/A	-8-9 stick trees, very tall good quality pines -higher BA in north half		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		2	Pole	8		White Pine	Low	Variable	Sapling
Red Pine		45	Log/XLog/Pole	16		Black Spruce	Medium	Variable	Sapling
White Pine		50	Log/XLog/Pole	16	121	Tag Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar		3	Pole	8		Balsam Fir	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
8	6121 - Tamarack	Poletimber Medium	6.4	105	51-80	N/A	-fallen trees, tip-ups -ground is muck and does not freeze solid in winter		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		3	Log	13		White Pine	Low	Variable	Sapling
Tamarack		75	Pole	8	105	Balsam Fir	Low	Variable	Sapling
Black Spruce		15	Pole	7		Black Spruce	Low	Variable	Sapling
Balsam Fir		7	Pole	7		Tag Alder	High	5 - 10 feet	Tall Shrub
9	6225 - Bog	Nonstocked	3.5			No			
10	4199 - Other Mixed Upland Deciduous	Poletimber Well	46.7	59	81-110	N/A	-scattered older red oak overstory, not enough to designated as 2-aged		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		10	Log/Pole	10		White Ash	Low	Variable	Sapling
Paper Birch		5	Pole	8		Sugar Maple	Medium	Variable	Sapling
Basswood		10	Pole/Log	9		Red Maple	Medium	Variable	Sapling
Bigtooth Aspen		10	Log/Pole	10		Balsam Fir	Medium	Variable	Sapling
Red Pine		2	Log	16		Ironwood	Medium	Variable	Sapling
Sugar Maple		35	Pole	7	59	Red Oak	Low	Variable	Sapling
White Pine		3	Log	16					
Red Oak		20	Log/XLog	15	98				
Beech		5	Pole/Log	9					
11	429 - Mixed Upland Conifers	Poletimber Medium	19.2	66	51-80	N/A	-very mixed stand -more jp to nw		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		10	Log/XLog	17		White Pine	Medium	Variable	Sapling
Black Spruce		20	Pole/Log	8	66	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir		15	Pole/Sapling	7		Balsam Fir	Medium	Variable	Sapling
Jack Pine		15	Pole/Log	9	65	Black Spruce	Low	Variable	Sapling
Quaking Aspen		15	Pole	7					
Red Pine		5	Pole/Log/XLog	17					
Red Maple		15	Pole/Sapling	7					
Red Oak		5	Log	15					
12	4139 - Aspen, Mixed Deciduous	Poletimber Well	38.4	57	81-110	N/A	-past cut left all rp and wp -some of the larger aspen poles showing rot but many still need diameter gains -red maple is still very small		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		45	Pole	7	57	Red Maple	Medium	Variable	Sapling
White Pine		5	Log/XLog	17		White Pine	Low	Variable	Sapling
Red Maple		40	Pole/Sapling	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Red Pine		5	Log/XLog	17		Balsam Fir	Medium	Variable	Sapling
Paper Birch		5	Pole	7		Red Oak	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
13	42290 - Natural Mixed Pine	Sawtimber Well	8.5	131	111-140	N/A	-large older natural pine stand -BA fairly variable throughout -seasonal drainageway protection stand																																																			
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14	4123 - Red Oak	Sawtimber Well	32.8	101	81-110	N/A	-was recorded previously as species thinned around 1960-70, looks like rm and aspen (appears to be west 1/3rd only) -average site, witch hazel throughout -significant deer use and mast oak trees with regenerating wp below																																																			
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16	3303 - Mixed Low Density Trees	Nonstocked	1.2			No	-was developed for oil/gas																																																			
17	4130 - Aspen	Poletimber Well	64.2	55		N/A	-																																																			
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18	4116 - Mixed N. Hardwood - Aspen	Sapling Well	43.4	6	Immature	N/A	-2/3rds of stand cut in spring of 2/23/18-4/1/18 -Clearcut complete 3/27/18 (PU 4) & 3/27/18 (5A) & 5/28/20 (5B) -varianced the variance for red pine planting to accept natural regeneration due to massassauga conservation plan conflicts (see lineage implementation notes) -high density sawlog oak stand that was clearcut and is now mostly red maple -stand is within Eastern Massassauga managed lands pre-clearcut notes-appears to have been thinned around 1970, smaller rm and aspen -scattered rp and wp to east half and around north and southeast perimeters -multiple fire scars present throughout stand																																																						
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19	330 - Low-Density Trees	Nonstocked	9.7			No																																																							
20	330 - Low-Density Trees	Nonstocked	3.8			No																																																							
21	42290 - Natural Mixed Pine	Sawtimber Medium	12.4	117	81-110	N/A	-80-100ft tall pines -upland in the nw and transitional to the sw portions of this stand -important drainageway protection stand -areas of lowland and upland, transitional stand -core of stand is veins of lowland conifer with saturated soil																																																						
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22	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Medium	6.1	44	51-80	N/A																																																							
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23	42210 - Natural Red Pine	Sawtimber Well	1.0	102	111-140	N/A																																																							
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24	42290 - Natural Mixed Pine	Poletimber Medium	22.8	36	51-80	N/A	-pockets of J3 and some nice dense pockets of high density log pine -kind of a mutant stand -thinning, cut rp and wp with yellow paint and other species (closed 9/22/87) -had no tree-length skidding in specs -vol= 32- 246 cds, 11- 17 cds, 98- 32 cds																																																			
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25	4130 - Aspen	Sapling Well	68.6	31	51-80	N/A	-stand was oak aspen and converted to aspen when treated in '92 -only trace amounts of oak remain along two-track and in areas where aspen failed to establish -closed sale 1/10/92 -cut all trees -vol.= red oak- 863 cds, aspen- 483 cds, wp- 88 cds, rp- 44 cds, mh- 347 cds, pb- 164 cds, bsw- 60 cds, ms- 63 cds - 29 cds/ac																																																			
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26	6230 - Cattail	Nonstocked	20.4			No																																																				
27	6120 - Lowland Cedar	Poletimber Well	228.1	128	111-140	N/A	-more black spruce along edges where drainage is slightly better with higher terrain -large areas in center where growth is stagnant, conditions are too wet, and blowdown -stand is within Eastern Massassauga managed lands																																																			
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28	3303 - Mixed Low Density Trees	Nonstocked	1.9			No																																																				
29	310 - Herbaceous Openland	Nonstocked	1.4			No																																																				
30	42210 - Natural Red Pine	Sawtimber Well	2.7	98	111-140	N/A	-thinning, cut rp and wp with yellow paint and other species (closed 9/22/87) -had no tree-length skidding in specs -vol= 32- 246 cds, 11- 17 cds, 98- 32 cds																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
31	4134 - Aspen, Spruce/Fir	Sapling Medium	16.3	26	1-50	N/A	-thick alder to north-mixed with some upland and lowland, went with upland overall																																															
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32	4130 - Aspen	Sapling Well	10.2	36		N/A	-some poor aspen growth to west 1/3rd (showing early rot) -cut all trees -closed sale 9/22/87 -vol= 11- 35 cds, 32- 1 cd, 31- 1 cd, 99- 21 cds																																															
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34	3301 - Low Density Deciduous Trees	Nonstocked	1.7			No																																																
35	500 - Water	Nonstocked	1.4			No																																																
36	3303 - Mixed Low Density Trees	Nonstocked	1.4			No																																																
37	500 - Water	Nonstocked	4.7			No																																																
38	4131 - Aspen, Oak	Poletimber Well	82.4	54	81-110	N/A	Consider harvesting with Stand 54-068-047 to spread browse pressure over larger area. -left oak and pine from previous cut -western portion of stand looks a bit younger																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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39 42210 - Natural Red Pine Sawtimber Well 3.6 91 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	10	Log/Pole	11		Red Pine	Low	Variable	Sapling
Black Spruce	5	Pole	8		Black Spruce	Low	Variable	Sapling
Paper Birch	5	Pole	7		White Pine	Medium	Variable	Sapling
White Pine	5	Log	14		Red Oak	Low	Variable	Sapling
Red Pine	75	Log	14	91				

40 310 - Herbaceous Openland Nonstocked 1.4 Managed Opening

41 6129 - Mixed Coniferous Lowland Forest Poletimber Well 120.6 136 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	25	Pole/Log	8		Red Maple	Low	Variable	Sapling
Northern White Cedar	47	Pole/Log	8	136	Balsam Fir	Medium	Variable	Sapling
Balsam Fir	10	Pole/Sapling	7		Black Ash	Low	Variable	Sapling
Red Maple	3	Pole	7		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Tamarack	15	Pole	7					

42 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 9.5 55 51-80 N/A

-xl log wp on east edge-older overstory mixed with younger trees, two aged canopy-a lot of older trees have likely fallen out

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	15	Log/Pole	11		Balsam Fir	Medium	Variable	Sapling
Paper Birch	17	Pole/Sapling	7		Black Spruce	Low	Variable	Sapling
Balsam Fir	10	Pole/Sapling	7		Green Ash	Low	Variable	Sapling
Red Maple	35	Pole/Sapling	7	55	Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Black Spruce	15	Pole/Sapling	7	112	Black Ash	Medium	Variable	Sapling
Northern White Cedar	3	Log/Pole	12		Tag Alder	Medium	5 - 10 feet	Tall Shrub
White Pine	5	XLog/Log	22					

43 6112 - Lowland Aspen Poletimber Medium 9.0 48 51-80 N/A

-spruce, fir and White Pine Sawlogs

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	15	Pole/Sapling	7		Red Maple	Medium	Variable	Sapling
Red Maple	20	Pole/Log	8		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	55	Pole/Sapling	7	48	Tag Alder	Medium	Variable	Tall Shrub
White Pine	10	Log	15					

44 6224 - Treed Bog Nonstocked 7.9 No

45 6224 - Treed Bog Nonstocked 17.7 No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
46	42210 - Natural Red Pine	Sawtimber Medium	20.7	78	51-80	N/A	-higher density of rp along west edge-more aspen to SE half																																								
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47	4130 - Aspen	Sapling Well	9.6	6	Immature	N/A	-stand on small hill -clearcut in spring-early summer 2019 -conducted walk through regen survey 12/15/23- fully stocked aspen																																								
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48	42290 - Natural Mixed Pine	Sawtimber Well	3.7	106	81-110	N/A	-scattered potential legacy pines within stand-white pine in east and rp in west																																								
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49	6122 - Black Spruce	Poletimber Well	22.7	125	51-80	N/A	-treed bog in areas, moss and leather leaf ground cover -poles around exterior half turning into saps within interior half																																								
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50	42200 - Natural White Pine	Sawtimber Well	5.3	106	81-110	N/A	-stand was thinned through in 1970																																								
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51	3303 - Mixed Low Density Trees	Nonstocked	1.3			No																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
52	4130 - Aspen	Sawtimber Well	28.7	65	81-110	N/A	
Canopy Species	% Cover	Size Class	DBH	Age			
Sugar Maple	8	Log/Pole	11				
Basswood	4	Log/Pole	11				
Red Oak	3	Log/Pole	11				
Bigtooth Aspen	80	Log/Pole	10	65			
White Pine	2	Log/Pole	11				
Beech	3	Log/Pole	11				
Sub-Canopy Species	Density	Avg. Height	Size				
Ironwood	Low	Variable	Sapling				
Balsam Fir	Medium	Variable	Sapling				
Red Oak	Low	Variable	Sapling				
Red Maple	Medium	Variable	Sapling				
Sugar Maple	Medium	Variable	Sapling				
White Pine	Low	Variable	Sapling				
Beech	Low	Variable	Sapling				
53	4319 - Mixed Upland Forest	Sawtimber Medium	5.1	49	51-80	N/A	-aspen falling out of stand in many areas, very low timber value, barely alive and good cavity trees-this stand was not cut with large portions of this compartment in the past
Canopy Species	% Cover	Size Class	DBH	Age			
Red Maple	10	Log/Pole	11				
Northern White Cedar	10	Log/Pole	12	137			
Paper Birch	3	Log	12				
White Pine	2	Log	16				
Balsam Fir	45	Pole	7	49			
Quaking Aspen	30	Log	14	94			
Sub-Canopy Species	Density	Avg. Height	Size				
Tag Alder	Medium	5 - 10 feet	Tall Shrub				
Balsam Fir	Medium	Variable	Sapling				
Northern White Cedar	Low	Variable	Sapling				
Black Ash	Medium	Variable	Sapling				
Red Maple	Low	Variable	Sapling				
54	4130 - Aspen	Sapling Well	86.5	5	Immature	N/A	-clearcut in spring-early summer 2019 -conducted walkthrough regeneration survey 12/19/23- stand successfully regenerated to fully stocked aspen -some wet areas exist, mostly to SW and adj to cedar stands -some low-density tree areas along swamp, delineate when better imagery is available
Canopy Species	% Cover	Size Class	DBH	Age			
Quaking Aspen	20	Sapling	1				
White Pine	3	Log/Pole/XLog	13				
Bigtooth Aspen	60	Sapling	1	5			
Balsam Fir	5	Sapling	1				
Red Maple	10	Sapling	1				
Sugar Maple	2	Sapling	1				
Sub-Canopy Species	Density	Avg. Height	Size				
Black Cherry	Medium	5 - 10 feet	Sapling				
55	3301 - Low Density Deciduous Trees	Nonstocked	2.6			No	
56	3301 - Low Density Deciduous Trees	Nonstocked	2.4			No	
57	4130 - Aspen	Sapling Well	6.6	6	Immature	N/A	-hilltop ridge with conifer lowland trees on edges -upland spruce pocket in middle of stand -clearcut in spring-early summer 2019 conducted regeneration walk through survey 12/15/23- successfully regenerated to fully stocked aspen
Canopy Species	% Cover	Size Class	DBH	Age			
Bigtooth Aspen	65	Sapling	1	6			
Red Maple	10	Sapling	1				
Black Spruce	5	Pole	9				
Quaking Aspen	15	Sapling	1				
White Pine	5	Pole	9				
Sub-Canopy Species	Density	Avg. Height	Size				
Balsam Fir	Low	< 5 feet	Sapling				
Black Cherry	Medium	5 - 10 feet	Sapling				
White Pine	Low	< 5 feet	Sapling				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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58 42360 - Upland Cedar Sawtimber Well 1.9 101 201+ N/A -dense, straight, and tall cedar
-open subcanopy with heavy deer use/ tracks

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole/Log	9	
Quaking Aspen	5	Log	13	
Northern White Cedar	90	Log/Pole	12	101

59 6239 - Mixed Emergent Wetland Nonstocked 8.2 0 Unspecified No -clearcut spring-early summer in 2019
-mostly wetland with cattails now
-conducted regeneration walk through survey 12/15/23

60 42200 - Natural White Pine Poletimber Medium 2.7 66 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	15	Pole	7		Black Spruce	Low	Variable	Sapling
White Pine	60	Log/Pole/XLog	10	66	White Pine	Medium	Variable	Sapling
Quaking Aspen	15	Pole/Sapling	7		Balsam Fir	Medium	Variable	Sapling
Jack Pine	10	Pole/Log	9	65				

61 6112 - Lowland Aspen Sawtimber Medium 7.2 104 51-80 N/A -older stand left uncut-sizes are highly variable and some pockets of
new sap regen where overstory has fallen

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	5	Log/Pole	11		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	40	Log	13	104	Black Spruce	Low	Variable	Sapling
Red Maple	30	Log/Pole	12		Red Maple	Medium	Variable	Sapling
Balsam Fir	15	Pole/Log	9		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	10	Pole/Log	8					

62 6122 - Black Spruce Poletimber Well 21.9 128 81-110 N/A -treed bog in central areas, moss and leather leaf ground cover-poles
around exterior half turning into saps within interior half

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	5	Pole/Sapling	6		Balsam Fir	Medium	Variable	Sapling
Black Spruce	60	Pole/Sapling	5	128	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	35	Pole/Sapling	6		Northern White Cedar	Low	Variable	Sapling

63 6127 - Lowland Pine Poletimber Medium 6.4 57 51-80 N/A -muck, will never freeze, full coverage of spongy hummocks

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	75	Pole/Log	8	57	Red Maple	Low	Variable	Sapling
Red Maple	10	Pole/Sapling	7		Balsam Fir	Medium	Variable	Sapling
Black Spruce	15	Pole/Sapling	7		Black Spruce	Low	Variable	Sapling
					White Pine	Low	Variable	Sapling



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64	4130 - Aspen	Sapling Well	46.8	6	Immature	N/A	-clearcut in spring-early summer 2019 -conducted walk through regen survey 12/15/23- stand is fully stocked aspen																																																								
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65	6118 - Lowland Deciduous with Cedar	Sawtimber Well	11.9	102	81-110	N/A	-aspen over cedar with some cedar reaching canopy-blowdown along south edge																																																								
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66	6120 - Lowland Cedar	Poletimber Well	32.3	139	111-140	N/A	-a more consistent size class pattern throughout stand. -stand is not as wet as other cedar stands in compartment -cedar look fairly healthy throughout																																																								
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67	6239 - Mixed Emergent Wetland	Nonstocked	0.9	0		No	-was clearcut in 2017 -low ground with cedar and aspen to the adjacent north																																																								
68	6229 - Mixed lowland shrub	Nonstocked	2.9			No																																																									
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70	6130 - Fir, Aspen, Maple	Sawtimber Medium	4.8	103	51-80	N/A	-older stand left uncut-sizes are highly variable and some pockets of new sap regen where overstory has fallen-multistoried areas exist, still even-aged-low to no value in aspen, half dead and significantly rotten - many cavity trees																																																			
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71	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	10.3	87	51-80	N/A	-diameters are all over the place, still even aged -stand is on a hill -no real dominant species -good diversity and not a high timber value stand																																																			
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72	6224 - Treed Bog	Nonstocked	8.4	0	Unspecified	No	-mostly dead snags, was a spruce bog during last inventory, tamarack in north finger																																																			
73	4136 - Aspen, Mixed Conifer	Poletimber Well	11.4	45	81-110	N/A	-record for cut was closed 10/23/79 (n1/2ne) -more pine to ne -NE leg is slightly older, added as an inclusion																																																			
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74	42290 - Natural Mixed Pine	Poletimber Medium	2.3	45	51-80	N/A	-appears to have significant weevil dmg to trees																																																			
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75	4130 - Aspen	Sapling Well	20.3	14	Immature	N/A	-was acquired in 2/11/2010-private owners clearcut this in 2008-09-private cut all trees																																																			
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76	6112 - Lowland Aspen	Sapling Medium	7.3	6	Immature	N/A	-some low areas mixed into stand. Beaver damage around stand 53.- clearcut spring-early summer in 2019-conducted regeneration walk through survey 12/15/23- successfully regenerated to moderately stocked aspen, some areas are now wetland or lowland shrub																																																
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77	4130 - Aspen	Sapling Well	153.8	7	Immature	N/A	-low ground at northwest -oak more represented in SE -clearcut north of spruce stand 72 in fall 2017 & south of stand 72 in spring-early summer in 2019 -conducted regeneration walk through survey 12/15/23- successfully regenerated to fully stocked aspen																																																
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78	6239 - Mixed Emergent Wetland	Nonstocked	2.6	0	Unspecified	No	-converted to wetland -clearcut in spring-early summer 2019																																																
79	4110 - Sugar Maple Association	Poletimber Medium	13.9	88	51-80	N/A	-was acquired in 2/11/2010 -private thinned in 2008-09 -cut all aspen and possibly all rm -may have high-graded some areas																																																
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80	3104 - Degraded	Nonstocked	2.0			Managed Opening																																																	
81	4110 - Sugar Maple Association	Poletimber Well	26.4	88	81-110	N/A	Stand was cut in spring of 2009. Part of Jonesville Mix 54-039-06-01 -cut all trees with orange and all aspen -completed 7/30/09																																																
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82	42360 - Upland Cedar	Sawtimber Well	3.4	137	141-170	N/A	-heavy deer tracks																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
83	6124 - Lowland Spruce-Fir	Poletimber Well	94.2	85	51-80	N/A	-stagnant growth to se and nw, about half of stand-small poles			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Paper Birch	7	Pole/Sapling	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
		Tamarack	25	Pole/Sapling	7		Black Ash	Medium	Variable	Sapling
		Black Spruce	35	Pole/Sapling	7	85	Black Spruce	Low	Variable	Sapling
		Northern White Cedar	18	Pole/Sapling	7					
		Balsam Fir	15	Pole/Sapling	5					
84	3303 - Mixed Low Density Trees	Nonstocked	2.0	0		No				
85	4130 - Aspen	Sapling Well	20.6	14		N/A	-cut in spring of 2009. Part of Jonesville Mix. 54-039-06-01 -cc, cut all trees except rp, wp, and oak -completed 7/30/09			
		Canopy Species	% Cover	Size Class	DBH	Age				
		Bigtooth Aspen	80	Sapling	2	14				
		Red Oak	2	Log	13					
		Red Maple	13	Sapling	1					
		White Pine	5	Pole	8					
86	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	10.4	119	51-80	N/A	-more cedar to west half-some blowdown and open canopy along edges and E portion of stand-traces of hemlock located in middle -difficult stand to assess due to high variability in species and size-classes			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Northern White Cedar	40	Pole/Sapling	7	119	Black Ash	Medium	Variable	Sapling
		Quaking Aspen	30	Pole/Sapling	7		Tag Alder	Medium	5 - 10 feet	Tall Shrub
		Red Maple	25	Pole/Sapling	6		Northern White Cedar	Low	Variable	Sapling
		Hemlock	2	Pole	8		Balsam Fir	Medium	Variable	Sapling
		White Pine	3	Log/XLog	17					
87	4130 - Aspen	Sapling Well	50.0	26		N/A	-past treatment- clearcut -acres treated- 51 -completion date- 7/8/98 -sale number- 54-040-96-01 -leave trees- none -volume (cds)- 430 aspen, 140 ms wd, 250 mh wd, 147 pb			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Balsam Fir	5	Sapling/Pole	4		Balsam Fir	Medium	5 - 10 feet	Sapling
		Quaking Aspen	20	Sapling/Pole	4		White Ash	Medium	5 - 10 feet	Sapling
		Red Maple	10	Sapling/Pole	3		White Pine	Low	5 - 10 feet	Sapling
		Bigtooth Aspen	65	Sapling/Pole	4	26	Red Maple	Medium	5 - 10 feet	Sapling
88	500 - Water	Nonstocked	4.8			No				
89	3303 - Mixed Low Density Trees	Nonstocked	3.7			No				
90	6239 - Mixed Emergent Wetland	Nonstocked	54.8			No	cattail and tag adler mix			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
91	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	10.9	119	81-110	N/A	-hemlock located in middle of stand-difficult stand to assess due to high variability in species and size-classes																																														
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92	6122 - Black Spruce	Poletimber Medium	1.7	75	51-80	N/A																																															
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93	42290 - Natural Mixed Pine	Poletimber Medium	3.3	60	51-80	N/A	-there appears to be younger jp to east and older to west																																														
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94	3104 - Degraded	Nonstocked	1.7			No																																															
95	6112 - Lowland Aspen	Sawtimber Medium	6.9	107	51-80	N/A	-hodgepodge stand, very mixed and transitional -a lot of aspen blowdown -thick fir -some pockets of high ground to west																																														
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96	4319 - Mixed Upland Forest	Sawtimber Medium	8.4	81	51-80	N/A	-more birch than normal -wp developing-scenic and on a hill-recreational campsite to the north in a small opening that is frequently used																																														
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97	622 - Lowland Shrub	Nonstocked	38.4			No																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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98 42290 - Natural Mixed Pine Sawtimber Well 3.1 86 111-140 N/A -significant white ash presence in subcanopy

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	55	Log/XLog	16	86	White Ash	Medium	Variable	Sapling
White Pine	25	Log/XLog	15		Beech	Medium	Variable	Sapling
Bigtooth Aspen	20	Pole/Log	8					

99 6122 - Black Spruce Poletimber Well 6.9 85 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	20	Log	13		White Pine	Low	Variable	Sapling
Black Spruce	70	Pole/Log	8	85	Black Ash	Low	Variable	Sapling
Red Maple	10	Pole/Log	8		Red Maple	Medium	Variable	Sapling
					Black Spruce	Low	Variable	Sapling
					Balsam Fir	Medium	Variable	Sapling
					Tag Alder	Medium	5 - 10 feet	Tall Shrub
					Red Pine	Low	Variable	Sapling

100 42260 - Natural Pine, Mixed Deciduous Sawtimber Well 11.3 81 111-140 N/A -variable bas, lighter to se

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	50	Log/Pole	13	81	White Pine	Low	Variable	Sapling
White Pine	20	Log/Pole	12					
Red Maple	5	Pole/Log	8					
Paper Birch	15	Pole/Log	8					
Bigtooth Aspen	10	Pole/Log	8					

101 3104 - Degraded Nonstocked 4.0 No -medium sweet fern

102 4136 - Aspen, Mixed Conifer Sawtimber Well 3.6 75 51-80 N/A -some wet areas exist, mostly to SW and adj to cedar stands

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	30	Log/Pole	11	75	Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Maple	31	Log/Pole	11	75	Balsam Fir	High	Variable	Sapling
Bigtooth Aspen	17	Log/Pole	11		Green Ash	Low	Variable	Sapling
Balsam Fir	10	Pole/Log	8		White Pine	Low	Variable	Sapling
White Pine	10	XLog	20		Red Maple	Medium	Variable	Sapling
Red Pine	2	XLog/Log	18					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
103	4130 - Aspen	Poletimber Well	2.2	55		N/A																																																					
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104	6239 - Mixed Emergent Wetland	Nonstocked	1.6	0		No	-low ground -clearcut in fall 2017 -conducted regeneration walk through survey 12/15/23- this area is now mostly wetland																																																				
105	6122 - Black Spruce	Sapling Medium	3.4	6	Immature	N/A	-treed bog in areas, moss and leather leaf ground cover -clearcut in spring-early summer in 2019 -conducted regeneration walk through survey 12/15/23- successfully regenerated to moderately stocked spruce barely over 6 inches, traces of young white pine mixed in, growth on hummocks																																																				
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106	4139 - Aspen, Mixed Deciduous	Sapling Well	74.3	10	Immature	N/A	-left oak and pine from previous cut -walkthrough natural regen survey complete 10/17/2019 -good wp regeneration under residual oak trees in many areas -more species diversity than typical aspen clearcuts																																																				
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108 4130 - Aspen Poletimber Well 58.5 57 81-110 N/A -low ground at northwest -oak more represented in SE

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	5	Pole/Log	8		Green Ash	Low	Variable	Sapling
Paper Birch	5	Pole	7		White Pine	Low	Variable	Sapling
White Spruce	2	Log/Pole	11		Red Maple	Medium	Variable	Sapling
Bigtooth Aspen	50	Pole/Log	8	57	Beech	Low	Variable	Sapling
Quaking Aspen	19	Pole/Log	8		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	5	Pole	7		Black Ash	Low	Variable	Sapling
Red Oak	2	Log	13					
Red Pine	2	Log/XLog	17					
Red Maple	7	Pole	7					
White Pine	3	Log	14					

109 6239 - Mixed Emergent Wetland Nonstocked 2.3 0 Unspecified No

110 6239 - Mixed Emergent Wetland Nonstocked 2.2 0 Unspecified No

111 6224 - Treed Bog Nonstocked 2.8 0 Unspecified No

112 6122 - Black Spruce Sapling Medium 5.0 85 1-50 N/A -stagnant growth

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	10	Pole/Sapling	5		Black Spruce	Low	Variable	Sapling
Northern White Cedar	10	Pole/Sapling	5		Black Ash	Medium	Variable	Sapling
Balsam Fir	15	Pole/Sapling	5		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	62	Sapling/Pole	4	85				
Paper Birch	3	Pole/Sapling	5					

113 4139 - Aspen, Mixed Deciduous Sapling Medium 73.8 5 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	45	Sapling	1	5
Balsam Fir	5	Sapling	1	
Red Oak	15	Sapling	1	
Red Maple	25	Sapling	1	
White Pine	5	Sapling	1	
Red Pine	5	Sapling	1	

-clearcut as part of Not Your Fathers RO and Aspen. Completed 07/08/20. -conducted regen survey 12/19/23- moderate stocked aspen, patchy in east half where aspen wasn't as common when it was cut, natural pine and some raspberry is filling in lower stocked areas-east half regen probably will look better in next inventory when pine regen is taller



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
115	4319 - Mixed Upland Forest	Sawtimber Well	2.4	58	81-110	N/A	-pockets of large older natural white pine -BA fairly variable throughout -a lot of younger wp of large pole and small log trees, could not use log size due to 2 age coding issue with same species																																														
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117	4131 - Aspen, Oak	Poletimber Well	5.1	58	81-110	N/A	-transitional stand between lowland and upland																																														
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124	3303 - Mixed Low Density Trees	Nonstocked	1.2	0		No																																														
125	6224 - Treed Bog	Nonstocked	1.1			No																																														
126	42210 - Natural Red Pine	Sawtimber Well	1.0	127	111-140	N/A																																														
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128	6224 - Treed Bog	Nonstocked	2.2		Unspecified	No	Scattered open grown red maple and lowland conifers..																																													
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131	6224 - Treed Bog	Nonstocked	3.5			No																																														
132	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	12.3	57	1-50	N/A	-stagnant growth, smaller diameters for age-muck soil, fairly open canopy with lowland shrub and cattail in subcanopy																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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134 6229 - Mixed lowland shrub Nonstocked 15.4 No

135 6131 - Hemlock, White Pine, Maple, Birch Poletimber Medium 5.0 58 1-50 N/A

-scattered large natural pine in stand-BA fairly variable throughout-
important drainageway stand -was cut through in the past and there is a
large component of red maple

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Pole/Sapling	6	58	Balsam Fir	High	Variable	Sapling
Northern White Cedar	15	Log/Pole	12		White Pine	Low	Variable	Sapling
White Pine	20	XLog/Log	18	121	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen	15	Pole	7		Red Maple	Medium	Variable	Sapling
Red Pine	10	Log/XLog	17					

136 42290 - Natural Mixed Pine Sawtimber Well 2.9 102 111-140 N/A

-large older natural pine stand-BA fairly variable throughout

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	40	Log/XLog	17	102	Balsam Fir	Low	Variable	Sapling
White Pine	35	XLog/Log	18		Red Maple	Medium	Variable	Sapling
Quaking Aspen	15	Pole	7		White Pine	Low	Variable	Sapling
Red Maple	10	Pole/Sapling	6					

201 4130 - Aspen Sapling Well 16.5 5 Immature N/A

-transitional stand between lowland and upland
-clearcut complete 5/28/20
-conducted walkthrough regeneration survey on 12/15/2023- successfully
regenerated to fully stocked aspen
-areas that didn't regenerate to aspen to nw are filling in with red pine
-high browse on rm and oak

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	45	Sapling	1	5
Red Pine	10	Sapling	1	
Red Oak	5	Sapling	1	
Bigtooth Aspen	20	Sapling	1	
Red Pine	5	XLog	19	
Red Maple	15	Sapling	1	

202 4136 - Aspen, Mixed Conifer Sapling Medium 12.3 6 Immature N/A

-transitional stand between lowland and upland
-54-021-16-01
-I4C Pine
-Fairview Woodyard
-this part was cut in 2018
-conducted walkthrough regen survey 12/19/23- mod stocked aspen,
good regeneration of lowland conifer and natural pine in transitional zone

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	1	XLog	23	
Black Spruce	7	Sapling	1	
Red Pine	2	XLog	18	
White Pine	5	Sapling	1	
Balsam Fir	10	Sapling	1	
Quaking Aspen	30	Sapling	1	6
Bigtooth Aspen	20	Sapling	1	
Red Pine	5	Sapling	1	
Red Maple	20	Sapling	1	