



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54004

Entry Year 2025

Acreage: 1,866

County: Montmorency

Management Area: Avery Hills

Stand Examiner: Richard Barber

Legal Description:

T29N, R02E, Sec. 1, 12 & 13

Identified Planning Goals:

Quality oak management and redistribution of aspen age classes.

Soil and topography:

Soils are mostly Graycalm and Klacking sands and Millersburg sandy loam. Terrain is often rolling to steep. Some areas are excessively steep. Sage Creek flows through a wetland consisting of Tawas muck.

Habitat type is usually PARVHa, with PARVVb on better oak sites.

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

Surrounding land is mostly other state forest land.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

One or more potential sites reported.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Sage Creek is a cold water stream with special buffer requirements.

Wildlife Habitat Considerations:

Excellent wildlife compartment with ruffed grouse, woodcock, deer, turkey, and bear featured species. Potential exists to scatter aspen age classes for improved habitat quality for grouse, woodcock, and deer. Oak mast sources should be maintained or expanded to provide food for wildlife into the future. Several openings provide good native grasses and forbs for food and cover for grouse and turkey broods as well as deer fawning. Maintenance of these openings should be conducted to enhance these values.

Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel pit is the State-owned Vondette Road Pit, less than two miles to the southwest. There is potential for 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. 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 development in the compartment in the near future. No known potential exists for oil & gas from other known producing formations. There is no known metallic mineral potential in this part of the state. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Vehicle access is very good.

Survey Needs:

None.

Recreational Facilities and Opportunities:

There is a snowmobile and equestrian trail running through this compartment.

Fire Protection:

Good.

Additional Compartment Information:

The following reports from the Inventory are attached:

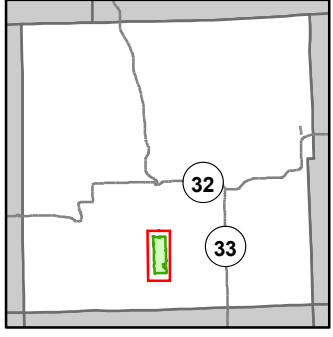
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

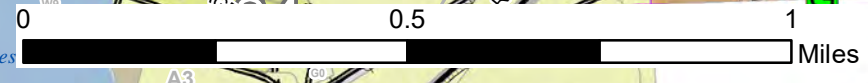
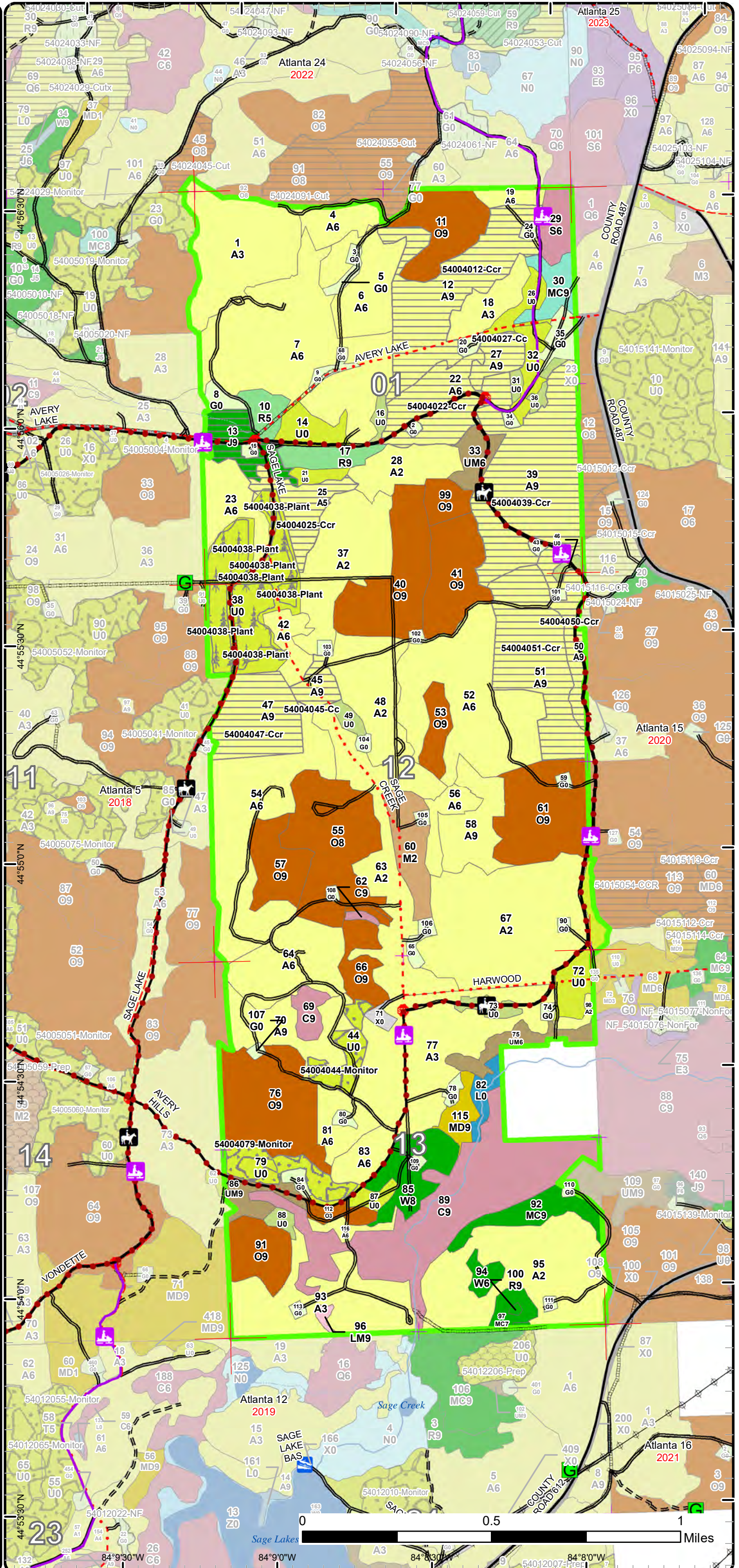
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 4
 T29N, R02E, Sec: 01, 12-13
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Avery Hills
 YOE: 2025
 Acres: 1866.4 GIS Calculated
 Examiner: Richard Barber
 Map Revised: 6/12/2023
 Map Phase: Review



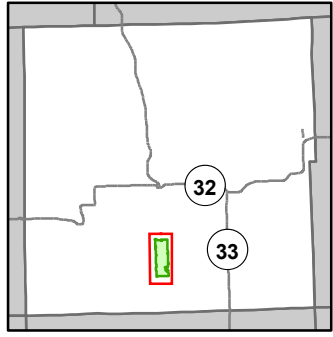
- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Horse Trails
- Snowmobile Trails
- Designated Equestrian Trails
- Designated Multi-Use Trails
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- G Gate
- Boating Access Site
- Culvert
- Sign
- Pipeline
- Powerline
- G Compartment Boundary
- P Planting (Tree Species)
- C Clearcut (w/Reserves)
- R Regeneration Survey
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 629 - Mixed Non-forested Wetland



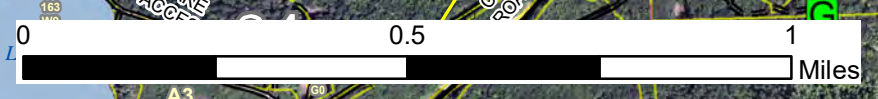
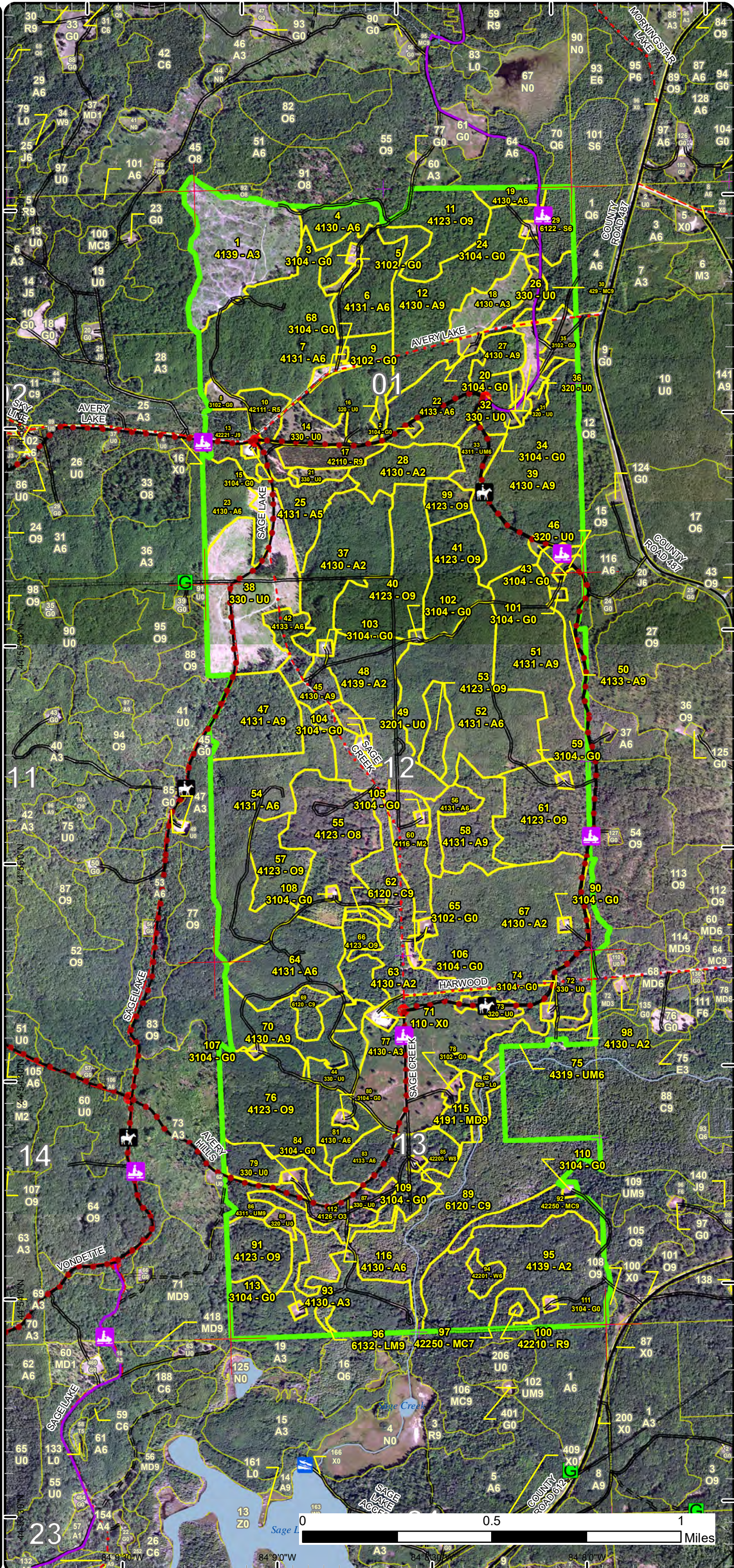
84°9'30"W 84°8'30"W

Stand Boundary Map

Compartment: 4
 T29N, R02E, Sec: 01, 12-13
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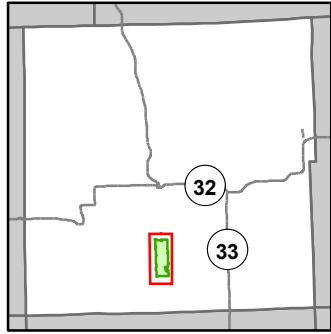
- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Horse Trails
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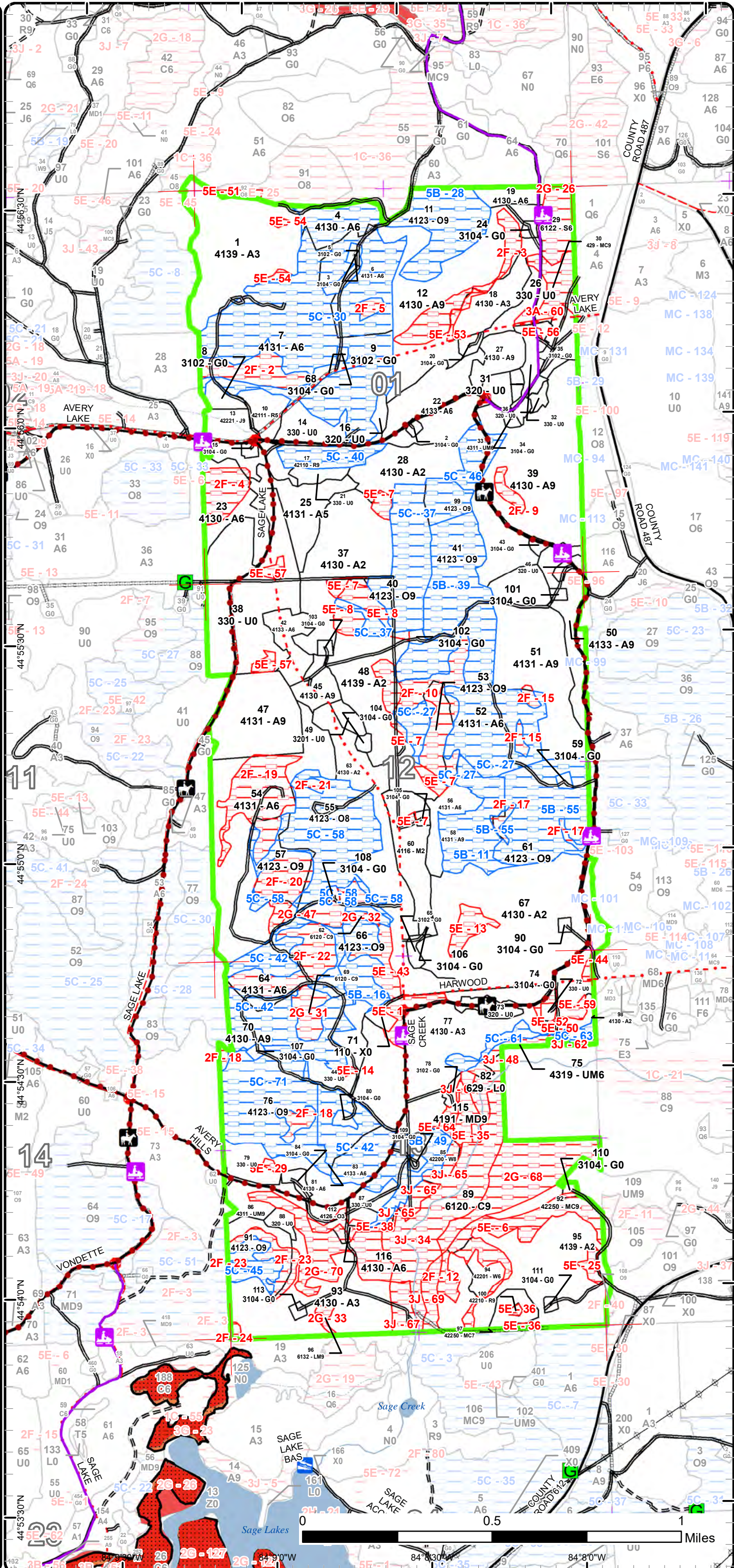
84°9'0"W 84°8'30"W 84°8'0"W

Special Conservation Areas

Compartment: 4
 T29N, R02E, Sec: 01, 12-13
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Avery Hills
 YOE: 2025
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 Examiner: Richard Barber
 Map Revised: 6/12/2023
 Map Phase: Review



- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Horse Trails
- + Snowmobile Trails
- Designated Equestrian Trails
- Designated Multi-Use Trails
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- G Gate
- B Boating Access Site
- C Culvert
- STOP Sign
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes
- Other Habitat 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	384	0	46	166	188	122	184	0	0	21	0	0	0	0	0	0	31	1141
Cedar	0	0	0	0	0	0	0	0	0	0	0	91	0	0	0	0	0	0	91
Herbaceous Openland	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Jack Pine	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	15
Low-Density Trees	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Lowland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	10
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	7
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	20
Northern Hardwood	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Oak	0	0	0	5	0	0	0	0	37	58	185	0	0	0	0	0	0	0	284
Red Pine	0	0	0	0	7	0	0	9	0	0	0	1	0	0	0	0	0	0	17
Upland Conifers	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
Upland Mixed Forest	0	0	0	0	0	9	0	9	0	11	0	0	0	0	0	0	0	0	29
Upland Shrub	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	0	0	0	0	4	0	0	0	0	0	20	0	0	0	0	0	0	24
Total	199	400	0	51	173	201	122	217	37	79	216	140	0	0	0	0	0	31	1864



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 4

Total Compartment Acres: 1,866

Commercial Harvest - 296
 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	282	0	0	0	0	0	0	0	0	282
Jack Pine	15	0	0	0	0	0	0	0	0	15
Total	296	0	0	0	0	0	0	0	0	296

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	296	0	34	0	0	0	26	0	0	356
Next Step	0	0	0	0	0	0	365	0	0	365
Total	296	0	34	0	0	0	390	0	0	721



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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Proposed Treatments:

12	54004012-Ccr	54.3	4130 - Aspen	Sawtimber Well	57	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with retention. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be 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

13	54004013-Ccr	14.8	42221 - Natural Jack Pine, Mixed Deciduous	Sawtimber Well	67	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	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. Protect oak regeneration--shortwood only.

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

22	54004022-Ccr	27.7	4133 - Aspen, Mixed Pine	Poletimber Well	48	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with retention. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be 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



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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25	54004025-Ccr	16.1	4131 - Aspen, Oak	Poletimber Medium	48	1-50	Harvest	Clearcut with Retention	4131 - Aspen, Oak	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. Protect oak regeneration--shortwood only, no hot saw, no weasel-words about okay to destroy regeneration if cut off cleanly.

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

27	54004027-Cc	8.8	4130 - Aspen	Sawtimber Well	67	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clearcut. 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

39	54004039-Ccr	74.4	4130 - Aspen	Sawtimber Well	60	51-80	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



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
45	54004045-Cc	7.1	4130 - Aspen	Sawtimber Well	66	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut. Use grouse spec 5.2.4.7, 12" minimum diameter fully merchantable tree, one per two acres.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple, spruce, fir.</p> <p><u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection to and from sale.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
47	54004047-Ccr	29.4	4131 - Aspen, Oak	Sawtimber Well	65	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Leave oak in retention. Use grouse spec 5.2.4.7, 12" minimum diameter fully merchantable tree, one per two acres.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple, spruce, fir.</p> <p><u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
50	54004050-Ccr	16.5	4133 - Aspen, Mixed Pine	Sawtimber Well	63	81-110	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Retain all white pine. Cut with 2" spec, except for white pine. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species overall mix. Use grouse spec 5.2.4.7, 12" minimum diameter fully merchantable tree, one per two acres.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple, spruce, fir.</p> <p><u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
51	54004051-Ccr	47.3	4131 - Aspen, Oak	Sawtimber Well	63	81-110	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Retain 3 to 10 percent of treatment area in one or more patches. Location(s) will be determined during sale prep and will be representative of the treatment's species overall mix. Use grouse spec 5.2.4.7, 12" minimum diameter fully merchantable tree, one per two acres. Place slash on oak stumps.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, oak, pine, maple, spruce, fir.</p> <p><u>Regen:</u></p> <p><u>Other</u> Use current, standard trail specs for safety and infrastructure protection.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											



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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Approved Treatments:

38	54004038-Plant	34.1	330 - Low-Density Trees	Nonstocked	0	Immature	Planting	Initial Plant	42110 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Plant to red pine. <u>Specs:</u> <u>Next Step</u> ; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr) <u>Treatments:</u> <u>Acceptable</u> Medium to well stocked stand of planted red pine. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2022</p>											
44	54004044-Monitor	11.4	330 - Low-Density Trees	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	4131 - Aspen, Oak	Even-Aged	No
<p><u>Prescription</u> Look for trees. medium to well stocked stand of aspen with oak and pine. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> medium to well stocked stand of aspen with oak and pine. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
79	54004079-Monitor	14.2	330 - Low-Density Trees	Nonstocked		Immature	Monitoring	Natural Regen (Intermediate)	4131 - Aspen, Oak	Even-Aged	No
<p><u>Prescription</u> Look for trees. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> medium to well stocked stand of aspen, with oak and pine. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											

Total Treatment Acreage Proposed: 356.1

Report 4 – Site Conditions

Atlanta Mgt. Unit
Richard Barber: Examiner

Compartment: 4
Year of Entry: 2025



Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
1142	750	251	141

Dominant Site Conditions

	Availability for Management			Dominant Site Conditions							
	Total Acres	Acres Available	Acres Avail With Condition	5B	5C	2F	2G	3A	3J	5E	
1142	750	251	141	Aspen	21	230	96	1		10	35
91	1	0	90	Cedar			0	53		37	
45	44	0	1	Herbaceous Openland			0	0		0	0
15	15	0	0	Jack Pine			0				
128	121	0	7	Low-Density Trees							7
1	0	0	1	Lowland Mixed Forest				1			
6	0	0	6	Lowland Shrub						6	
10	0	0	10	Lowland Spruce/Fir				10			
7	0	0	7	Mixed Upland Deciduous						0	7
20	9	0	11	Natural Mixed Pines			11				0
16	16	0	0	Northern Hardwood							0
285	10	224	51	Oak	100	125	36	7			8
17	7	9	1	Red Pine		9					1
10	0	0	10	Upland Conifers					10		
29	9	15	5	Upland Mixed Forest		15				4	1
18	18	0	0	Upland Shrub							
2	2	0	0	Urban							
24	4	15	5	White Pine	15					5	0
1,866	1,006	514	346	Total Forested Acres	136	378	143	72	10	62	59
	54%	28%	19%	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	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-term retention for harvest of the aspen stand to the south (in 2019, st. 77).							
2	Unavailable	2F: Too steep	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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3	Unavailable	2F: Too steep	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2F: Too steep	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	11	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	8	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2F: Too steep	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2F: Too steep	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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11	Available	5B: Maintain for regeneration purposes	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Thinned in 2018. Predominately oak with aspen helping maintain BA control.							
12	Unavailable	2F: Too steep	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	5	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2F: Too steep	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5B: Maintain for regeneration purposes	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Thinned in 2020.							
17	Unavailable	2F: Too steep	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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18	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2F: Too steep	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2F: Too steep	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2F: Too steep	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	55	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Needs diameter growth.							
28	Available	5B: Maintain for regeneration purposes	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Shelterwood at 16" DBH.							
29	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	114	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Waiting on diameter growth. Harvest stands 4, 6, 7 and 22 in 2045.							
31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	5A: Not able to obtain desirable regeneration	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified
Comments:							

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32	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	5A: Not able to obtain desirable regeneration	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified
Comments:							
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	5A: Not able to obtain desirable regeneration	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified
Comments:							
34	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	37	2G: Too wet (sensitive soils, does not include access issues)	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified
Comments:							
35	Unavailable	5E: Long-Term Retention	5	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Cold water stream							
36	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments: These stands have either been recently thinned or are waiting to put growth on understory before harvesting.							

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38	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Available	5B: Maintain for regeneration purposes	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Nice oak, shelterwood at 16" DBH.							
40	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 3rd row thinned in 2016 Sale # 54-010-15-01 "Sage Pine"							
42	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	61	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Harvest stands 64, 70, 81 and 83 in 2035.							
43	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: retention for stand to east.							
44	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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45	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Perhaps treat with stand to west, due to access issues.							
46	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Grow the white pine.							
47	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Seep City.							
48	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	3G: Other Influence zones - See comments	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified
Comments: Cold water stream buffer.							
49	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Grow white pine and oak.							
50	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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51	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
52	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
53	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
54	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
55	Available	5B: Maintain for regeneration purposes	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Aspen 2-3 inches DBH. Shelterwood oak at 16" DBH.							
56	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
57	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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58	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments: nice 2-4 log oak. Recently thinned. Needs diameter growth.							
59	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
60	Unavailable	3A: Conservation Values incompatible with harvest at this time	10	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments:							
61	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: holding for visual concerns, most of the fir is located in the stream buffer. Re-evaluate during the next YOE inventory.							
62	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	3G: Other Influence zones - See comments	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified
Comments: Cold water stream buffer.							
63	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: holding for visual concerns, most of the fir is located in the stream buffer. Re-evaluate during the next YOE inventory.							

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64	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
65	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cold water stream							
66	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cold water stream							
67	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cold water stream							
68	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
69	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Cold water stream							



70	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
71	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Thinned to 80 BA in "Avery Hills Road Mix", closed 08/2020. Red oak 2-3, sometimes 4 logs. Shelterwood at 16" DBH.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
----------	--------------	-------------	----------------	-------

Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
1	4139 - Aspen, Mixed Deciduous	Sapling Well	48.1	7	Immature	N/A																																														
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Black/Red (Hybrid) Oak	5	Sapling	1																																																	
2	3104 - Degraded	Nonstocked	0.8		Immature																																															
3	3104 - Degraded	Nonstocked	1.2																																																	
4	4130 - Aspen	Poletimber Well	11.7	48	1-50	N/A	Needs diameter.																																													
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Red Maple	10	Sapling	3																																																	
White Pine	5	Sapling/Pole	4																																																	
5	3102 - Grass	Nonstocked	1.8			No																																														
6	4131 - Aspen, Oak	Poletimber Well	26.9	48	1-50	N/A	Give it ten years.																																													
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9	3102 - Grass	Nonstocked	2.2			No																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
10	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Medium	7.2	35	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		80	Pole	7	35	Oak (spp.)	Medium	< 5 feet	Sapling
Northern Pin Oak		20	Sapling	2					
11	4123 - Red Oak	Sawtimber Well	24.6	88	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Pole	6		White Pine	Low	>20 feet	Pole
Red Oak		80	Log	14	88	Red Maple	High	5 - 10 feet	Sapling
Bigtooth Aspen		10	Log	13					
12	4130 - Aspen	Sawtimber Well	54.3	57	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		5	Log	12		Red Maple	High	>20 feet	Sapling
Bigtooth Aspen		80	Log/Pole	10	57				
Red Oak		15	Log	15					
13	42221 - Natural Jack Pine, Mixed Deciduous	Sawtimber Well	14.8	67	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		35	Log	12		Oak (spp.)	Medium	>20 feet	Sapling
Jack Pine		65	Log	10	67	Red Maple	Medium	10 - 20 feet	Sapling
14	330 - Low-Density Trees	Nonstocked	9.9			No	Scattered JP.		
15	3104 - Degraded	Nonstocked	1.3						
16	320 - Upland Shrub	Nonstocked	2.4			Managed Opening			
17	42110 - Planted Red Pine	Sawtimber Well	9.0	63	81-110	N/A	3rd row thinned in 2016 Sale # 54-010-15-01 "Sage Pine"		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		100	Log/Pole	10	63	Red Maple	Low	5 - 10 feet	Sapling
						Oak (spp.)	Low	< 5 feet	Sapling
18	4130 - Aspen	Sapling Well	13.3	4	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Black/Red (Hybrid) Oak		4	Sapling	1					
Quaking Aspen		96	Sapling	1	4				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
19	4130 - Aspen	Poletimber Well	5.3	45	1-50	N/A																																														
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21	330 - Low-Density Trees	Nonstocked	3.3			Managed Opening																																														
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31	320 - Upland Shrub	Nonstocked	1.5			No																																																							
32	330 - Low-Density Trees	Nonstocked	8.3	0		4222 - Natural Jack Pine	Mittig: Regen survey in 2019, found that it had failed. There was not fully stocked pine regen, but there was fully stocked aspen/red oak/red maple regen. There was a little bit of jack pine in the middle of the stand in slash piles, but otherwise void of pine regen. I wrote a variance and sent to Barber on 11/18/2019. The aspen was 6' tall and the other regen was 1-2' tall. Variance to accept regeneration as is was granted on 3/24/2020.																																																						
33	4311 - Pine, Aspen Mix	Poletimber Well	8.7	66	51-80	N/A	Grow the white pine.																																																						
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35	3102 - Grass	Nonstocked	6.6			No																																														
36	320 - Upland Shrub	Nonstocked	2.5			No																																														
37	4130 - Aspen	Sapling Medium	40.1	4	Immature	N/A	Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand.																																													
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38	330 - Low-Density Trees	Nonstocked	54.5	0	Immature	4211 - Planted Red Pine	Herbicide application was completed on 6/21/2022. This site was roller chopped on 6/12/18 and trenched on 5/19/22.																																													
39	4130 - Aspen	Sawtimber Well	74.4	60	51-80	N/A																																														
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41	4123 - Red Oak	Sawtimber Well	26.0	82	51-80	N/A	Thinned in 2018. Shelterwood at 16" DBH.																																													
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42	4133 - Aspen, Mixed Pine	Poletimber Well	9.3	46	51-80	N/A																																														
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Red Pine	25	Log	15																																																	
43	3104 - Degraded	Nonstocked	1.1																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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44	330 - Low-Density Trees	Nonstocked	11.5	0	Unspecified	4131 - Aspen, Oak	Formerly payment unit 2 in Avery Hills Road Mix 5404215, closed 08/2020. Then became PU 1 of Downwind Aspen 54-027-20. Cut in 2022.
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45	4130 - Aspen	Sawtimber Well	7.1	66	81-110	N/A	Some conking starting to develop.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	95	Log	12	66	Red Maple	Medium	Variable	Sapling
Red Maple	5	Sapling/Pole	4					

46	320 - Upland Shrub	Nonstocked	2.1			No	
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47	4131 - Aspen, Oak	Sawtimber Well	29.4	65	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Pole/Sapling	5		Red Maple	High	>20 feet	Sapling
Bigtooth Aspen	77	Log	12	65				
Red Oak	20	Log	14					

48	4139 - Aspen, Mixed Deciduous	Sapling Medium	37.5	4	Immature	N/A	Acceptable regeneration is any combination of aspen, oak, red pine, or white pine resulting in a medium or well stocked stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	50	Sapling	1	4	Black/Red (Hybrid) Oak	High	< 5 feet	Sapling
Red Maple	50	Sapling	1	4				

49	3201 - Sweet Fern	Nonstocked	3.0			No	
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50	4133 - Aspen, Mixed Pine	Sawtimber Well	16.5	63	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	40	Log	12		Red Maple	High	>20 feet	Sapling
Bigtooth Aspen	60	Log/Pole	10	63	Beech	Low	< 5 feet	Sapling
					Oak (spp.)	Low	5 - 10 feet	Sapling

51	4131 - Aspen, Oak	Sawtimber Well	47.3	63	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	55	Log	12	63	Beech	Low	5 - 10 feet	Sapling
Red Maple	5	Sapling/Pole	4		Red Maple	Medium	10 - 20 feet	Sapling
Bigtooth Aspen	40	Log	12	63				

52	4131 - Aspen, Oak	Poletimber Well	67.2	50	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	3		Red Maple	High	10 - 20 feet	Sapling
Red Oak	50	Pole	6	50				
Bigtooth Aspen	40	Sapling/Pole	4	50				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
53	4123 - Red Oak	Sawtimber Well	9.0	90	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		100	Log	13	90	Red Maple	High	10 - 20 feet	Sapling
						Oak (spp.)	Low	5 - 10 feet	Sapling
54	4131 - Aspen, Oak	Poletimber Well	60.6	36	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		15	Sapling/Pole	4		Red Maple	Low	10 - 20 feet	Sapling
Bigtooth Aspen		60	Pole	7	36				
Red Oak		25	Pole	7					
55	4123 - Red Oak	Sawtimber Medium	45.6	90	51-80	N/A	manage for understory. A broad drainage in the south end leads into stand 62.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		100	Log	13	90	Bigtooth Aspen	High	10 - 20 feet	Sapling
						Red Maple	High	10 - 20 feet	Sapling
56	4131 - Aspen, Oak	Poletimber Well	8.7	44	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		56	Pole	6	44	Red Maple	High	10 - 20 feet	Sapling
Red Oak		25	Log	12		Oak (spp.)	Medium	>20 feet	Sapling
White Oak		4	Pole	9					
Red Maple		15	Sapling/Pole	4					
57	4123 - Red Oak	Sawtimber Well	17.7	90	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		30	Pole	6		Red Maple	Low	10 - 20 feet	Sapling
Red Oak		70	Log	13	90				
58	4131 - Aspen, Oak	Sawtimber Well	21.4	90	51-80	N/A	Stand thinned 2018. Leaving aspen to regulate BA may explain why oak has had little mortality or epicormic branching.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		55	Log	14	90	Red Maple	Medium	>20 feet	Sapling
Bigtooth Aspen		45	Log	13	90				
59	3104 - Degraded	Nonstocked	1.0						
60	4116 - Mixed N. Hardwood - Aspen	Sapling Medium	16.3	4	Immature	N/A	Central area sparse, but overall okay.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		40	Sapling	1	4	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Red Maple		60	Sapling	1	4				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
61	4123 - Red Oak	Sawtimber Well	37.9	90	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		100	Log	15	90	Red Maple	Low	>20 feet	Sapling
						Bigtooth Aspen	Full	>20 feet	Sapling
62	6120 - Lowland Cedar	Sawtimber Well	1.2	107		N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch		35	Log	11		Ash (spp.)	Low	10 - 20 feet	Sapling
Northern White Cedar		65	Log	12	107				
63	4130 - Aspen	Sapling Medium	42.5	4	Immature	N/A	Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		67	Sapling	1	4	Red Maple	High	< 5 feet	Sapling
Red Maple		30	Sapling	1	4	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak		1	Log	13					
White Oak		2	Pole/Log	9					
64	4131 - Aspen, Oak	Poletimber Well	32.4	48	51-80	N/A	Harvest stands 64, 70, 81 and 83 in 2035.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		25	Pole	6		Red Maple	Low	10 - 20 feet	Sapling
Bigtooth Aspen		60	Pole	8	48				
Red Maple		15	Pole/Sapling	5					
65	3102 - Grass	Nonstocked	1.9			No			
66	4123 - Red Oak	Sawtimber Well	13.6	97	51-80	N/A	Stand thinned in "Avery Hills Road Mix", closed 08/2020. 540421501		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		85	Log	14	97	Red Maple	High	>20 feet	Sapling
Red Maple		10	Pole	7					
Bigtooth Aspen		5	Log/Pole	10					
67	4130 - Aspen	Sapling Medium	79.7	4	Immature	N/A	Acceptable regeneration was any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Pine		2	Log	13					
Black/Red (Hybrid) Oak		10	Log	12					
Red Maple		10	Sapling	1					
Bigtooth Aspen		78	Sapling	1	4				
68	3104 - Degraded	Nonstocked	0.7						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
69	6120 - Lowland Cedar	Sawtimber Well	6.1	107	Unspecified	N/A																																															
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70	4130 - Aspen	Sawtimber Well	23.5	48	111-140	N/A	Harvest stands 64, 70, 81 and 83 in 2035.																																														
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71	110 - Low Intensity Urban	Nonstocked	2.2				SAGE CREEK UNIT CPF																																														
72	330 - Low-Density Trees	Nonstocked	14.1	0	Immature	4319 - Mixed Upland Forest	Scattered cherry brush. Some oak 2-5 feet high. Widely scattered white pine poles and logs. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. Accepted as is, per Pre-Review, April 4, 2023.																																														
73	320 - Upland Shrub	Nonstocked	4.4			No	cherry																																														
74	3104 - Degraded	Nonstocked	1.1																																																		
75	4319 - Mixed Upland Forest	Poletimber Well	11.2	88	51-80	N/A																																															
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76	4123 - Red Oak	Sawtimber Well	43.1	95	51-80	N/A	Thinned to 80 BA in "Avery Hills Road Mix", closed 08/2020. Aspen and red maple regeneration is heavy in wetland area, sparse elsewhere. Red oak 2-3, sometimes 4 logs. Shelterwood at 16" DBH.																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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77	4130 - Aspen	Sapling Well	66.4	9	Immature	N/A	A small pocket of aspen with apparent fungal canker (possibly Cytospora) was reported for Forest Health. They recommended continued monitoring. These 2-3 inch DBH saplings, which may be older than surrounding stand, are located on the east edge of Sage Creek Road.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	1	
White Oak	4	Sapling	1	
Quaking Aspen	45	Sapling	1	9
White Pine	1	Sapling	1	
Bigtooth Aspen	30	Sapling	1	9
Pin Cherry	7	Sapling	1	
Red Oak	3	Sapling	1	

78	3102 - Grass	Nonstocked	1.8			No	
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79	330 - Low-Density Trees	Nonstocked	16.0		Immature	413 - Aspen	xlog red pine on s edge.
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80	3104 - Degraded	Nonstocked	1.4				
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81	4130 - Aspen	Poletimber Well	11.7	48	81-110	N/A	Harvest stands 64, 70, 81 and 83 in 2035.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Sapling/Pole	4		Red Oak	Low	10 - 20 feet	Sapling
Red Oak	5	Log	13		Red Maple	Medium	>20 feet	Sapling
White Pine	8	Log/Pole	10					
Bigtooth Aspen	67	Pole	7	48				

82	629 - Mixed non-forested wetland	Nonstocked	5.7			No	
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83	4133 - Aspen, Mixed Pine	Poletimber Well	10.3	48	1-50	N/A	Harvest stands 64, 70, 81 and 83 in 2035.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	5	Log	12		Oak (spp.)	Medium	10 - 20 feet	Sapling
White Pine	40	Sapling/Pole	4		White Pine	Medium	10 - 20 feet	Sapling
Bigtooth Aspen	55	Pole	7	48	Red Maple	Medium	>20 feet	Sapling

84	3104 - Degraded	Nonstocked	2.1				
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85	42200 - Natural White Pine	Sawtimber Medium	19.9	104	51-80	N/A	Recent treatment (2019) was to retain white pine and white oak clumps. Protected oak and white pine (poles) regeneration. Regeneration looks good. Grow white pine and oak.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	75	Log/Pole/XLog	14	104	Bigtooth Aspen	Low	5 - 10 feet	Sapling
White Oak	25	Log	14		Red Maple	Low	5 - 10 feet	Sapling
					Red Oak	Medium	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
86	4311 - Pine, Aspen Mix	Sawtimber Well	8.9	48	51-80	N/A	The east finger is lowland on edge of cedar stand.																																					
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87	330 - Low-Density Trees	Nonstocked	3.7			No	Scattered oak saw and saplings, some white pine.																																					
88	320 - Upland Shrub	Nonstocked	2.5			No																																						
89	6120 - Lowland Cedar	Sawtimber Well	83.6	108		N/A	Sage Creek, a cold water stream, flows through stand.																																					
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91	4123 - Red Oak	Sawtimber Well	17.2	95	51-80	N/A																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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94 42201 - Natural White Pine, Mixed Deciduous Poletimber Well 4.4 45 51-80 N/A Steep.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	2	Pole/Log	9	
Balsam Fir	5	Pole	6	
Red Pine	3	Log	14	
Red Maple	15	Pole	6	
Jack Pine	2	Log	11	
Red Oak	5	Log	13	
White Pine	60	Pole	7	45
Bigtooth Aspen	8	Log	10	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	Variable	Sapling
White Pine	Low	10 - 20 feet	Sapling
Oak (spp.)	Medium	Variable	Sapling

95 4139 - Aspen, Mixed Deciduous Sapling Medium 67.0 3 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	3	Pole/Log	9	
Bigtooth Aspen	48	Sapling	1	3
White Oak	1	Log	14	
Black/Red (Hybrid) Oak	10	Sapling	1	
Red Maple	38	Sapling	1	

96 6132 - Mixed Lowland Forest with Cedar Sawtimber Well 1.4 108 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	13	Log	12	
Quaking Aspen	15	Log	14	
Northern White Cedar	26	Log	12	108
Tamarack	22	Log/Pole	10	
Red Maple	18	Pole/Log	9	
Balsam Poplar	6	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	Low	< 5 feet	Seeding
Ash (spp.)	Medium	10 - 20 feet	Sapling
Tag Alder	High	10 - 20 feet	Tall Shrub

97 42250 - Pine, Oak Sawtimber Poor 5.6 104 1-50 N/A Formerly payment unit 8 in Avery Hills Road Mix 5404215, closed 08/2020. Then became PU 3 of Downwind Aspen 54-027-20.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	30	Log	14	
White Pine	70	Log	16	104

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	10 - 20 feet	Sapling
Red Maple	Medium	>20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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98	4130 - Aspen	Sapling Medium	2.5	9	Immature	N/A	The north east half of the stand contains most of the aspen. The southern half is regenerating poorly.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	5	Sapling	1	
Red Maple	5	Sapling	1	
White Pine	1	Sapling	1	
Bigtooth Aspen	73	Sapling	1	9
Black Cherry	15	Sapling	1	
Balsam Fir	1	Sapling	1	

99	4123 - Red Oak	Sawtimber Well	7.8	82	81-110	N/A	northeast corner heavy to A3.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	100	Log	13	82	Bigtooth Aspen	High	>20 feet	Sapling
					Red Maple	Medium	10 - 20 feet	Sapling

100	42210 - Natural Red Pine	Sawtimber Well	0.9	104	51-80	N/A	Formerly payment unit 8 in Avery Hills Road Mix 5404215, closed 08/2020. Unit uncut.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	10	Log	14		White Pine	Low	10 - 20 feet	Sapling
White Pine	26	Log	16		Red Maple	High	>20 feet	Sapling
Red Pine	60	Log	16	104				
Red Maple	4	Pole	7					

101	3104 - Degraded	Nonstocked	0.9	0				
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102	3104 - Degraded	Nonstocked	0.9	0				
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103	3104 - Degraded	Nonstocked	1.0					
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104	3104 - Degraded	Nonstocked	1.1					
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105	3104 - Degraded	Nonstocked	0.9	0				
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106	3104 - Degraded	Nonstocked	1.3					
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107	3104 - Degraded	Nonstocked	0.9	0				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
108	3104 - Degraded	Nonstocked	0.8	0																																													
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111	3104 - Degraded	Nonstocked	0.8	0																																													
112	4126 - White, Black, N. Pin Oak	Sapling Well	5.4	28	Immature	N/A	Oak saplings and scattered oak saw, some white pine.																																										
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115	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	7.0	104	51-80	N/A	Formerly part of stand 85.																																										
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