



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54043

Entry Year 2026

Acreage: 1,595

County Montmorency

Management Area: Presque Isle Lake and Till Plains

Stand Examiner: Darrick Coy

Legal Description:

T31N, R02E, Section 20, 29, and 32

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 increase vigor in 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 loamy sand complexes. Overall, the topography is rolling to steep. The dominant cover types are Northern Hardwood, Oak, and Aspen. The compartment forest habitat types are mostly PARVHa, PARVVb, and AFO.

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

Complete State ownership except east half of section 32. Active Antrim gas wells exist throughout the compartment.

Unique Natural Features:

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

Element Occurrences- Ram's Head Lady's Slipper

Potential Occurrences- Ram's Head Lady's Slipper and Eastern Massasauga Rattle Snake

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:

There are no known concerns within the compartment. Contact the State Historical Preservation Office for more information or reporting of new sites.

Special Management Designations or Considerations:

Any northern hardwood regeneration harvests done in the future will need to significantly reduce the high coverage of ironwood and beech subcanopy competition.

Watershed and Fisheries Considerations:

No fisheries or significant watershed features exist. However, this compartment contains several springs and a very large seep.

Wildlife Habitat Considerations:

The primary focus of wildlife habitat management will be to address the habitat requirements identified for the listed featured species which are found in this compartment. These species include elk, black bear, eastern Massasauga rattlesnake, ruffed grouse, wild turkey, 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; extensive mature forest; large open grassland complexes; 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 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. The compartment is within the Antrim Shale gas play, and most State-owned mineral rights in the area are currently leased and held by production. Potential for any additional Antrim development in the compartment in the future is considered low, and no known potential exists for oil & gas from other known producing formations.

Vehicle Access:

Access is off Meaford road using existing state forest roads and trails. Most state forest road access has been improved and is maintained by Antrim Gas activity. Illegal ORV activity in the compartment has been found in a few places.

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

Survey Needs:

None known.

Recreational Facilities and Opportunities:

Deer and small game hunting, elk viewing, and mushrooming.

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:

Tri-Township Fire Department and the Atlanta DNR office overage area. Good response time being close (~15 min.) from the Atlanta field office. Difficult access in places with steep terrain and narrow state forest roads.

Additional Compartment Information:

The following reports from the Inventory are attached:

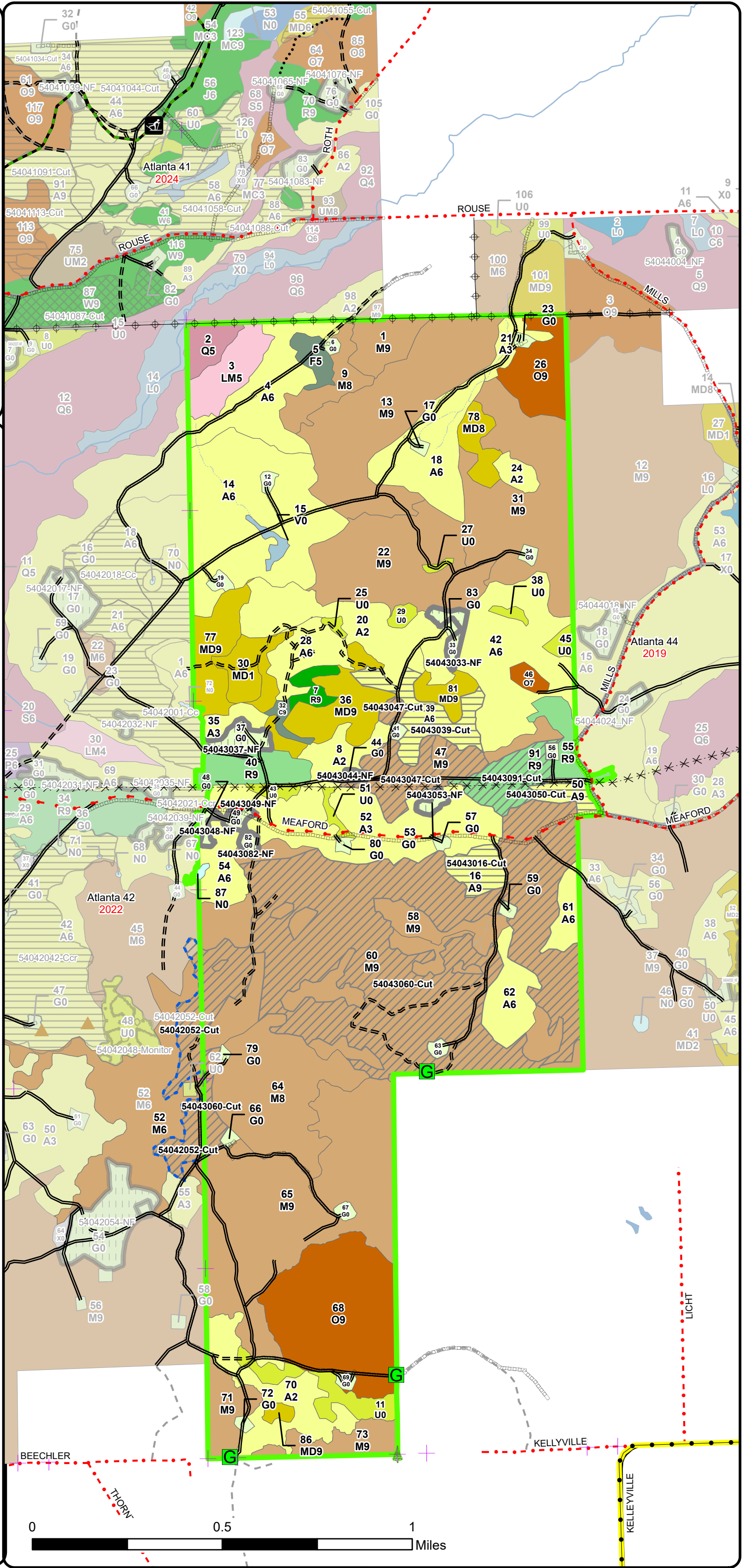
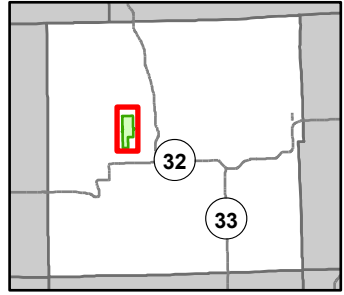
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

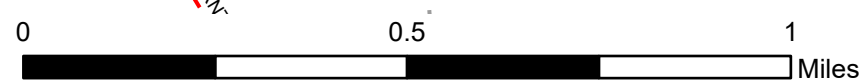
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 54043
 T31N, R2E, Sec: 20, 29, 32
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Presque Isle Lake and Till Plains
 YOE: 2026
 Acres: 1595.4 GIS Calculated
 Examiner: Darrick Coy
 Map Revised: 5/23/2024
 Map Phase: Web Post

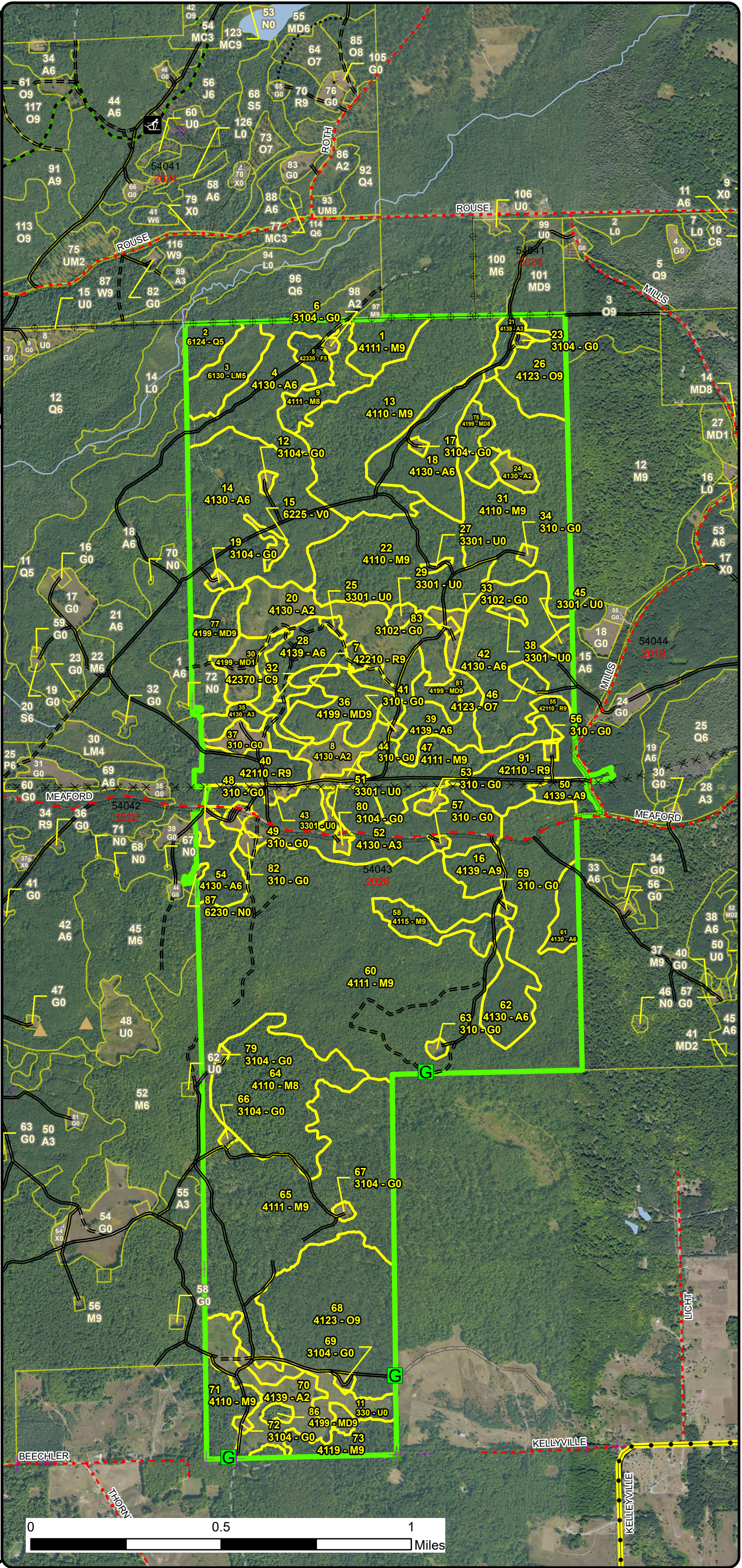
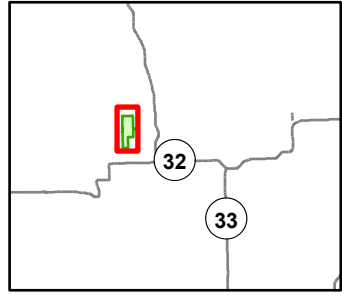


- Hiking Trails
- Bike Trails
- Ski Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Multi-Use Trails
- ORV License
- Michigan Cross Country Cycle Trail (MCCCT)
- Remonumented Section Corners
- Berms
- Gate
- Tree (marking)
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- DNR - Management Access
- Abandoned Railroads
- Lakes and Rivers
- Drain
- Lake/Pond
- Perennial River
- Pipeline
- Powerline
- Counties
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Opening Maintenance
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 411 - Northern Hardwood



Stand Boundary Map

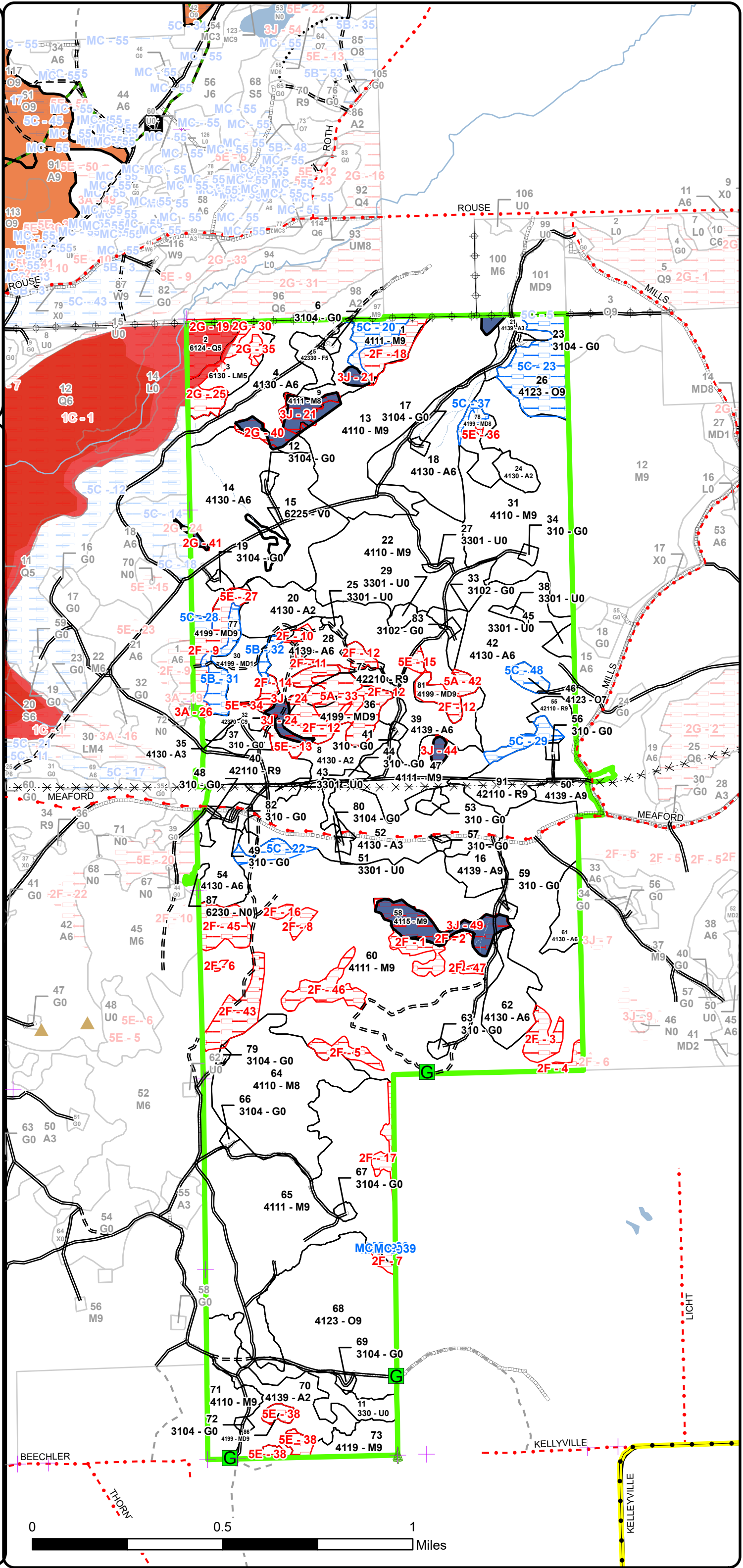
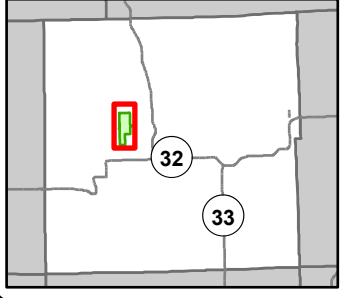
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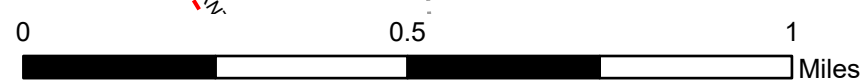
- Hiking Trails
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- Designated Multi-Use Trails
- ORV License
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- 623 - Emergent Wetland
- State Forests

Special Conservation Areas & Site Conditions Map

Compartment: 54043
 T31N, R2E, Sec: 20, 29, 32
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Presque Isle Lake and Till Plains
 YOE: 2026
 Acres: 1595.4 GIS Calculated
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- Hiking Trails
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- DNR - Management Access
- Abandoned Railroads
- Lakes and Rivers
- Drain
- Lake/Pond
- Perennial River
- Pipeline
- Powerline
- Counties
- Compartment Boundary
- SCA
- SCA Removal
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site
- 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)
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention
- Available w/ Constraints
- Unavailable
- Stand Boundaries
- Ecological Reference Areas
- Forest Habitat Core Interior
- Cold Water Streams
- Spring Seep
- Other Habitat Area



BEECHLER THORN ROUSE MILLS MEAFORD KELLYVILLE KELLEWILLE LIGHT

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	89	12	62	209	70	0	0	0	17	0	0	0	0	0	0	0	0	459
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
Herbaceous Openland	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Low-Density Trees	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9
Lowland Mixed Forest	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	17
Marsh	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mixed Upland Deciduous	0	10	0	0	0	0	0	0	0	34	11	25	0	0	0	0	0	0	80
Northern Hardwood	0	0	0	0	0	0	0	0	0	657	90	59	0	0	0	0	0	0	806
Oak	0	0	0	0	0	0	0	0	0	3	93	0	0	0	0	0	0	0	96
Red Pine	0	0	0	0	0	0	0	43	0	5	0	0	0	0	0	0	0	0	48
Upland Spruce/Fir	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
Total	72	99	12	62	209	93	0	43	0	716	203	84	0	3	0	0	0	0	1596



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 43

Year of Entry: 2026

Acres of Harvest

Total Compartment Acres: 1,595

Commercial Harvest - 332
 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	37	0	0	0	0	0	0	0	0	37
Northern Hardwood	0	0	0	0	0	278	0	0	0	278
Red Pine	0	0	0	0	0	17	0	0	0	17
Total	37	0	0	0	0	296	0	0	0	332

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	332	0	0	0	0	0	0	20	0	352
Next Step	0	0	0	0	0	0	37	0	0	37
Total	332	0	0	0	0	0	37	20	0	389



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:

52	54042052-Cut	20.2	4110 - Sugar Maple Association	Poletimber Well	96	81-110	Harvest	Crown Thinning	4111 - S.Maple, Hard Mast Association	Even-Aged	No
<p><u>Prescription</u> -Out of YOE partial stand harvest treatment</p> <p><u>Specs:</u> -thin to 80 BA residual -cut all ash, ironwood, and beech -do not cut all aspen in sale specs -mark 1 beech and/or ironwood to leave every 2-3 acres -do not mark trees to cut alongside slopes greater than 35% -keep large interior areas excluded from sale area that are considered too steep or too wet (Already excluded, see site conditions layer. Most of these exclusions were GPS'd in the field.) -to allow equipment access in steep areas, mark to cut a route along hilltop ridgelines and valleys -no tree-length skidding to protect slopes and residual trees</p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> -include adjacent compartment 43 thinning treatment in the same timber sale</p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											

16	54043016-Cut	9.8	4139 - Aspen, Mixed Deciduous	Sawtimber Well	86	111-140	Harvest	Clearcut	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> -clearcut</p> <p><u>Specs:</u> -no retention needed due to small treatment size -include grouse specification with timber sale specifications, recommend marking to leave -leave all trees over 26" DBH, if present</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -aspen, maple, oak, birch, beech and basswood of medium to high stocking</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											

33	54043033-NF	4.0	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage and maintain its open character, through burning, mowing, mulching, planting, herbicide, or other agriculture practices. Near or adjacent to EMR CCAA.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> <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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37	54043037-NF	5.8	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage and maintain its open character, through burning, mowing, mulching, planting, herbicide, or other agriculture practices. Near or adjacent to EMR CCAA.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

39	54043039-Cut	19.9	4139 - Aspen, Mixed Deciduous	Poletimber Well	45	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
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Prescription -clearcut-leave 3-10% in retention pocket(s) in area containing steep terrain and older aspen (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 -aspen, maple, oak, birch, beech and basswood of medium to high stocking
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

44	54043044-NF	1.5	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage and maintain its open character, through burning, mowing, mulching, planting, herbicide, or other agriculture practices. Near or adjacent to EMR CCAA.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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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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47	54043047-Cut	25.8	4111 - S.Maple, Hard Mast Association	Sawtimber Well	89	111-140	Harvest	Crown Thinning	4111 - S.Maple, Hard Mast Association	Even-Aged	No
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Prescription -thin to 80 BA residual
Specs:
 -cut all ironwood and beech
 -consider cutting all aspen south of railroad grade or entire treatment in sale specs
 -mark 1 beech and/or ironwood to leave every 2-3 acres
 -do not allow any equipment into seep area removed from treatment (already excluded-see site conditions layer)
 -only allow crossing of the interior railroad grade as necessary where embankments are short
 -no tree-length skidding to protect slopes and residual trees

Next Step
Treatments:

Acceptable
Regen:

Other -east-west access road running through stand is seasonally wet and prone to rutting
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

48	54043048-NF	2.3	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage and maintain its open character, through burning,
Specs: mowing, mulching, planting, herbicide, or other agriculture practices. Near or adjacent to EMR CCAA.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

49	54043049-NF	2.5	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage and maintain its open character, through burning,
Specs: mowing, mulching, planting, herbicide, or other agriculture practices. Near or adjacent to EMR CCAA.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025



Standard

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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50	54043050-Cut	6.8	4139 - Aspen, Mixed Deciduous	Sawtimber Well	82	81-110	Harvest	Clearcut	4130 - Aspen	Even-Aged	No
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Prescription -clearcut
Specs: -no retention needed due to small treatment size
 -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 -aspen, maple, oak, birch, beech and basswood of medium to high stocking
Regen:
Other
Comment:

Site Condition
Proposed Start Date: 10/1 /2025

53	54043053-NF	2.0	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage and maintain its open character, through burning,
Specs: mowing, mulching, planting, herbicide, or other agriculture practices. Near or adjacent to EMR CCAA.
Next Step
Treatments:
Acceptable
Regen:
Other
Comment:

Site Condition
Proposed Start Date: 10/1 /2025

60	54043060-Cut	252.6	4111 - S.Maple, Hard Mast Association	Sawtimber Well	86	111-140	Harvest	Crown Thinning	4111 - S.Maple, Hard Mast Association	Even-Aged	No
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Prescription -thin to 80 BA residual
Specs: -cut all ironwood and beech
 -do not cut all aspen in sale specs
 -mark 1 beech and/or ironwood to leave every 2-3 acres
 -do not mark trees to cut alongside slopes greater than 35%
 -keep large interior areas excluded from sale area that are considered too steep or too wet (Already excluded, see site conditions layer.)
 -to allow equipment access in steep areas, mark to cut a route along hilltop ridgelines and valleys
 -no tree-length skidding to protect slopes and residual trees
Next Step
Treatments:
Acceptable
Regen:
Other -east access road running N-S is seasonally wet and prone to significant rutting where it runs through stand 58
Comment: -stand 58 contains a large seep with multiple springs
 -include adjacent compartment 42 thinning treatment in the same timber sale

Site Condition
Proposed Start Date: 10/1 /2025



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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
82 54043082-NF	1.7	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage and maintain its open character, through burning, mowing, mulching, planting, herbicide, or other agriculture practices. Near or adjacent to EMR CCAA.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
91 54043091-Cut	17.3	42110 - Planted Red Pine	Sawtimber Well	63	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> -thin to 110 residual BA in areas that are overstocked</p> <p><u>Specs:</u></p> <ul style="list-style-type: none"> -accept a lower residual BA overall due to irregular stocking -no tree-length skidding with crowns attached -only allow crossing of the interior railroad grade as necessary where embankments are short <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u> -include this treatment with the adjacent hardwood thinning timber sale</p> <p><u>Comment:</u> -recommend marking and cruising during leaf-off due to thick subcanopy vegetation</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										

Total Treatment 372.2
Acreage Proposed:

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 43
Year of Entry: 2026

Availability for Management

Total	Acres	Acres Avail	Acres
Acres	Available	With Condition	Not Available

Dominant Site Conditions

	Total Acres	Acres Available	Acres With Condition	Acres Not Available	Dominant Site Conditions									
					5B	5C	MC	2F	2G	3A	3J	5A	5E	
459	451	0	8	Aspen	0	0		2	4	0		0	1	
3	3	0	0	Bog										
3	0	0	2	Cedar				0			2			
39	39	0	0	Herbaceous Openland				0			0		0	
28	28	0	0	Low-Density Trees										
9	0	0	9	Lowland Conifers					9					
17	8	0	9	Lowland Mixed Forest					9					
1	1	0	0	Marsh										
80	18	13	48	Mixed Upland Deciduous	9	4		30		1	0	10	8	
806	704	16	86	Northern Hardwood		16	0	60	0		21		4	
97	71	25	1	Oak		25	0	1						
49	43	0	5	Red Pine				5			0	1		
6	6	0	0	Upland Spruce/Fir										
1,595	1,373	54	169	Total Forested Acres	9	45	0	98	22	1	24	11	13	
	86%	3%	11%	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	2F: Too steep	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2F: Too steep	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 43
Year of Entry: 2026

4	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2F: Too steep	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

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Year of Entry: 2026

12	Unavailable	2F: Too steep	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 74 (originally part of stand 36)							
14	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 39							
16	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2F: Too steep	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 43
Year of Entry: 2026

19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: BA is under 100 here, no need to thin this area							
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 43
Year of Entry: 2026

25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	3A: Conservation Values incompatible with harvest at this time	1	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: seeps on steep hill.							
27	Unavailable	5E: Long-Term Retention	1	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 20							
28	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 43
Year of Entry: 2026

31	Available	5B: Maintain for regeneration purposes	7	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	5B: Maintain for regeneration purposes	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -small pole conifers and oak treated as an inclusion along narrow part of trail							
33	Unavailable	5A: Not able to obtain desirable regeneration	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	5E: Long-Term Retention	1	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 30							
35	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 24							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 43
Year of Entry: 2026

37	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 70-additional area for protecting hemlock pockets							
39	Available	Minor Change in Acreage	0				
Comments:							
40	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Saturated muck soil, seep with potential springs							
41	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: seep, saturated soils							
42	Unavailable	5A: Not able to obtain desirable regeneration	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 43
Year of Entry: 2026

43	Unavailable	2F: Too steep	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
45	Unavailable	2F: Too steep	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
49	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water 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
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1	4111 - S.Maple, Hard Mast Association	Sawtimber Well	14.0	89	111-140	N/A	-steep slope in over half of stand
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	13	Log/Pole	14		Sugar Maple	Medium	>20 feet	Sapling
Red Maple	5	Pole/Log	8		Red Maple	Low	>20 feet	Sapling
Basswood	33	Log/Pole	13		Beech	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	5	Log/Pole	13		White Ash	Medium	>20 feet	Sapling
Sugar Maple	42	Log/Pole	12	89	Ironwood	Medium	5 - 10 feet	Sapling
Paper Birch	2	Pole/Log	9					

2	6124 - Lowland Spruce-Fir	Poletimber Medium	9.0	96	51-80	N/A	-more sapling cedar to nw where ground becomes increasingly saturated
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	30	Pole/Sapling	6	37	Red Maple	Low	Variable	Sapling
Northern White Cedar	30	Log/Pole	11	114	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	40	Pole	8	96	Balsam Fir	High	Variable	Sapling
					Black Ash	Low	Variable	Sapling

-canopy is broken up with younger fir mixed in
-crowns in poor shape
-eventually will convert to fir
-snowmobiled to stand using powerline, walking would be very difficult/wet

3	6130 - Fir, Aspen, Maple	Poletimber Medium	17.1	45	1-50	N/A	-was cut with upland aspen -growth is more stagnant in this stand-tag alder and thick balsam fir throughout -muck soil, high moss ground coverage with small hummocks
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	5	Pole/Sapling	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Ash	5	Sapling/Pole	3		Black Ash	Medium	Variable	Sapling
Black Spruce	10	Pole/Sapling	5		Balsam Fir	Medium	Variable	Sapling
Red Maple	5	Sapling/Pole	4					
Balsam Fir	30	Pole/Sapling	5	45				
Quaking Aspen	25	Pole/Sapling	5					
Paper Birch	5	Sapling/Pole	4					
Balsam Poplar	15	Pole/Sapling	5					

4	4130 - Aspen	Poletimber Well	34.5	45	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	3	Pole/Sapling	5		Ironwood	Low	10 - 20 feet	Sapling
Black Ash	5	Pole/Sapling	5		Sugar Maple	Low	10 - 20 feet	Sapling
Balsam Fir	10	Pole/Sapling	7		Red Maple	Low	10 - 20 feet	Sapling
Red Maple	10	Pole/Sapling	5		White Ash	Low	10 - 20 feet	Sapling
Quaking Aspen	57	Pole/Sapling	7	45	Black Cherry	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	15	Pole/Sapling	7		Balsam Fir	High	Variable	Sapling
					Tag Alder	Medium	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
5	42330 - Upland Fir	Poletimber Medium	6.3	47	51-80	N/A	-same age as adjacent aspen stand																																																											
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6	3104 - Degraded	Nonstocked	1.0				Gas pad newly constructed 02/04, A2-20.																																																											
7	42210 - Natural Red Pine	Sawtimber Well	5.3	82	81-110	N/A	-some potential old growth RP XLL trees in the south-central portion of the stand																																																											
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8	4130 - Aspen	Sapling Medium	12.4	4	Immature	N/A	-clearcut completion dates- PU3- 10/25/19 and PU4 12/12/17 -conducted walkthrough regen survey on 4/20/24- medium to fully stocked aspen objective achieved, browse heavy on hilltops, aspen regen is patchy but 8-15ft tall, autumn olive creeping into more open areas -spring located in stand after cut																																																											
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9	4111 - S.Maple, Hard Mast Association	Sawtimber Medium	13.5	90	51-80	N/A	-Powerline along north edge -appears to have been browsed a lot in rm and other hwd -fir and other hwd should fill in over time -Mills Hills 54-020-06-01 -Unit 2 -cut all rm, aspen, birch, and orange trees -closed 12/11/08 -vol. cut- 58%rm, 18% birch, 22% aspen, 2% bsw																																																											
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11	330 - Low-Density Trees	Nonstocked	13.6	0	Unspecified	4139 - Aspen, Mixed Deciduous	Originally part of the adjacent forested stand 70 that was clearcut. This area converted to a low-density tree non-forest cover type. Low density trees, high rubus coverage, poorly regenerated area Clearcut Completion Date: 10/16/20																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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12 3104 - Degraded Nonstocked 1.2

13 4110 - Sugar Maple Association Sawtimber Well 76.7 89 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	27	Log	14		Red Maple	Low	>20 feet	Sapling
Quaking Aspen	2	Log/Pole	13		Beech	Medium	5 - 10 feet	Sapling
Paper Birch	4	Log/Pole	12		Ironwood	High	5 - 10 feet	Sapling
Red Oak	7	XLog	23		White Ash	Low	5 - 10 feet	Sapling
Red Maple	3	Pole/Log	8		Sugar Maple	Medium	>20 feet	Sapling
Sugar Maple	57	Log/Pole	13	89				

-steep slopes to NW
-Selection harvest complete during 2016-2017
-Cruised 17 QD plots using 15 BAF prism during regeneration check
-See attached standard cruise report and excel tree compilation sheet for more stand information
-Mean BA was 79 3-6-2024

14 4130 - Aspen Poletimber Well 80.5 36 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Ash	5	Pole/Sapling	5		Ironwood	Medium	5 - 10 feet	Sapling
Paper Birch	7	Pole/Sapling	5		Sugar Maple	Medium	Variable	Sapling
Bigtooth Aspen	31	Pole/Sapling	7		Paper Birch	Low	Variable	Sapling
Quaking Aspen	42	Pole/Sapling	7	36	Red Oak	Low	Variable	Sapling
Sugar Maple	10	Pole/Sapling	5		White Ash	Medium	Variable	Sapling
Red Maple	5	Pole/Sapling	5		Red Maple	Low	Variable	Sapling

15 6225 - Bog Nonstocked 2.6 No

-seasonally wet, looks like a seep-pockets of BAM-was cut/managed with surrounding aspen but didn't regenerate as well due to wetness

16 4139 - Aspen, Mixed Deciduous Sawtimber Well 9.8 86 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	4	Log/Pole	11		Sugar Maple	Medium	>20 feet	Sapling
Basswood	15	Log/Pole	11		White Ash	Low	>20 feet	Sapling
Beech	5	Pole	7		Beech	Medium	10 - 20 feet	Sapling
Red Oak	2	XLog/Log	20		Ironwood	Medium	10 - 20 feet	Sapling
Paper Birch	1	Log	17		Red Maple	Low	>20 feet	Sapling
Bigtooth Aspen	45	Log	15	86				
Sugar Maple	25	Log/Pole	10	86				
Ironwood	2	Pole	7					
American Elm	1	Log	11					

17 3104 - Degraded Nonstocked 1.0 Unspecified



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
18	4130 - Aspen	Poletimber Well	32.7	34	51-80	N/A	-small strip of cedar bisecting N-S through stand with some black ash
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		15	Pole/Sapling	7		Black Ash	
Northern White Cedar		5	Pole/Sapling	6		Ironwood	
Red Oak		5	Pole/Sapling	6		Sugar Maple	
Bigtooth Aspen		60	Pole/Sapling	7	34	Red Maple	
Sugar Maple		15	Pole/Sapling	5		White Ash	
						Beech	
19	3104 - Degraded	Nonstocked	1.6			No	
20	4130 - Aspen	Sapling Medium	40.3	4	Immature	N/A	-merged part of adjacent clearcut stand 75 to the east into stand 20 -averaged canopy composition data between stands 20 and 75 -clearcut completion date- 2/24/20 -conducted walkthrough regen survey on 4/20/24- medium to fully stocked aspen objective achieved, browse heavy on hilltops, aspen regen is patchy but 6-12ft ft tall, autumn olive creeping into more open areas
Canopy Species		% Cover	Size Class	DBH	Age		
Red Oak		1	XLog	20			
White Pine		1	Log	13			
Ironwood		8	Sapling	1			
Quaking Aspen		8	Sapling	1			
Red Oak		10	Sapling	1			
Beech		5	Sapling	1			
Bigtooth Aspen		60	Sapling	1	4		
Red Maple		7	Sapling	2			
21	4139 - Aspen, Mixed Deciduous	Sapling Well	6.4	15	Unspecified	N/A	-some hemlock -Mills Hills 54-020-06-01 -Unit 1 -cut all rm, aspen, birch, and orange trees -closed 12/11/08 -vol. cut- 45%rm, 24% birch, 31% aspen
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		55	Sapling	2	15		
Ironwood		10	Sapling	1			
Sugar Maple		2	Pole/Sapling	6			
Basswood		3	Log/Pole	12			
Red Maple		20	Sapling	1			
Beech		5	Sapling	2			
Red Oak		5	Log/Pole	11	89		
22	4110 - Sugar Maple Association	Sawtimber Well	61.3	99	51-80	N/A	-stand is more open to west half with 3-5-acre aspen pocket in east central -ironwood subcanopy is taller than most other stands, probably was thinned heavy in 1980-1990s -best timber in NE, irregular stocking and poorer quality to the SW -Cruised 13 QD plots using 10 BAF prism during regeneration check -See attached standard cruise report and excel tree compilation sheet for more stand information -Mean BA was 73 3-6-2024
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Beech		2	Log	16		Sugar Maple	
White Spruce		1	Log/Pole	13		Ironwood	
Basswood		35	Log/Pole	13		Beech	
Sugar Maple		53	Log/Pole	11	99		
Bigtooth Aspen		7	Log	14			
Ironwood		2	Pole	6			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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23 3104 - Degraded Nonstocked 1.0 Unspecified

24 4130 - Aspen Sapling Medium 4.9 6 Immature N/A clearcut completion date- 1/22/18

Canopy Species	% Cover	Size Class	DBH	Age
Beech	10	Sapling	1	
Sugar Maple	5	Sapling	2	
Bigtooth Aspen	70	Sapling	1	6
Ironwood	5	Sapling	1	
Quaking Aspen	10	Sapling	1	

25 3301 - Low Density Deciduous Trees Nonstocked 1.3 No

26 4123 - Red Oak Sawtimber Well 22.0 92 81-110 N/A -steep to east half
-primarily an oak stand

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Pole/Log	9		Ironwood	Low	Variable	Sapling
Red Oak	70	Log/Pole	13	92	Beech	Medium	Variable	Sapling
Basswood	2	Log/Pole	13		Red Maple	Medium	>20 feet	Sapling
Bigtooth Aspen	5	Log/Pole	13		Sugar Maple	Medium	>20 feet	Sapling
Paper Birch	8	Pole/Log	7					
Red Maple	10	Pole/Log	8					

27 3301 - Low Density Deciduous Trees Nonstocked 1.0 Unspecified No

28 4139 - Aspen, Mixed Deciduous Poletimber Well 16.0 37 51-80 N/A -left areas untreated along steep areas

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	15	Pole/Sap/Log	6		Striped Maple	Medium	5 - 10 feet	Tall Shrub
Sugar Maple	15	Log/Pole	13					
Bigtooth Aspen	55	Pole/Sapling	6	37				
Basswood	10	Log/Pole	13					
Ironwood	5	Pole/Sapling	5					

29 3301 - Low Density Deciduous Trees Nonstocked 2.3 No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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30	4199 - Other Mixed Upland Deciduous	Sapling Poor	10.0	4	Immature	N/A	Clearcut completion date- 2/24/20
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	15	Sapling	1	
Red Oak	10	Log/XLog	17	
White Pine	3	Pole/Log	8	
Sugar Maple	3	Sapling	2	
Beech	10	Sapling	1	
Ironwood	29	Sapling	1	4
Red Maple	5	Sapling	1	
Bigtooth Aspen	25	Sapling	1	4

Sub-Canopy Species	Density	Avg. Height	Size
Blackberry/Raspberry	Medium	5 - 10 feet	Tall Shrub
Autumn Olive	Low	5 - 10 feet	Tall Shrub

31	4110 - Sugar Maple Association	Sawtimber Well	71.2	88	51-80	N/A	-Selection harvest complete during 2016-2017 -Cruised 17 QD plots using 10 BAF prism during regeneration check -See attached standard cruise report and excel tree compilation sheet for more stand information -Mean BA was 67 3-6-2024
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Canopy Species	% Cover	Size Class	DBH	Age
Basswood	26	Log/Pole	13	
Red Oak	2	XLog	21	
Paper Birch	2	Log/Pole	11	
Bigtooth Aspen	1	XLog	25	
Sugar Maple	67	Log/Pole	10	88
Ironwood	1	Pole	5	
Red Maple	1	Log/Pole	13	

Sub-Canopy Species	Density	Avg. Height	Size
White Ash	Low	5 - 10 feet	Sapling
Ironwood	High	5 - 10 feet	Sapling
Sugar Maple	Medium	>20 feet	Sapling
Beech	Medium	5 - 10 feet	Sapling
Red Maple	Low	>20 feet	Sapling
Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub

32	42370 - Upland Cedar, Aspen	Sawtimber Well	2.8	122	111-140	N/A	-spring with seep on bottom/side of hill
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10	Log/Pole	11	
Red Oak	10	Log	14	
Northern White Cedar	60	Log/Pole	10	122
Quaking Aspen	20	Log/Pole	12	

33	3102 - Grass	Nonstocked	4.0			Managed Opening	
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34	310 - Herbaceous Openland	Nonstocked	1.2				
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35	4130 - Aspen	Sapling Well	5.9	15	1-50	N/A	-cherry and rm will be subcanopy next yoe -still too young for any definable subcanopy -10-20ft tall, good coverage -Mills Hills 54-020-06-01 -Unit 3 -cut all trees -closed 12/11/08 -vol. cut- 17%rm, 82% aspen
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	70	Sapling	2	15
Red Oak	10	Sapling	3	
Red Maple	20	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Medium	5 - 10 feet	Sapling
Red Maple	Medium	5 - 10 feet	Sapling
Beech	Medium	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
36	4199 - Other Mixed Upland Deciduous	Sawtimber Well	26.0	88	81-110	N/A	-TOO STEEP TO WORK in timber sale notes. Comments from sale 54-003-86-01, stated- Units II and III not complete due to steep slopes and poor-quality timber Part of unit I not cut.																																																											
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38	3301 - Low Density Deciduous Trees	Nonstocked	1.6			No																																																												
39	4139 - Aspen, Mixed Deciduous	Poletimber Well	21.3	45	81-110	N/A	-scattered inclusions of much older aspen are contained within this stand																																																											
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40	42110 - Planted Red Pine	Sawtimber Well	15.7	68	111-140	N/A	-3rd row THINNED 1997, SALE 4-97-Thinning complete on 11/2019-Removed every 5th row due to narrow cut rows and intermediate thinned remaining rows, equipment was able to reach through rows-Residual basal area of 130 on 6/15/2016, cut 46 BA out in 2019 (26% removed)-Residual basal area of 133 on 2/20/2024 (9,14, 13, 12, 15, 11, 15, 10, 11, 14, 15, 15, 16, 18, 12, 14, 12)																																																											
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43	3301 - Low Density Deciduous Trees	Nonstocked	3.1		Unspecified	No																																																												



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46	4123 - Red Oak	Sawtimber Poor	3.4	88	1-50	N/A	-mast oak area left untreated																																																											
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47	4111 - S.Maple, Hard Mast Association	Sawtimber Well	32.0	89	111-140	N/A	-xll size oak mostly-ironwood in a lot of subcanopy -heavy deer use around large oak-spring, seep, and historical railroad grade within stand -BA point swings- 11, 13, 11, 11, 13, 14, 13, 11, 5, 12, 12, 11, 11																																																											
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50	4139 - Aspen, Mixed Deciduous	Sawtimber Well	6.8	82	81-110	N/A																																																												
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51	3301 - Low Density Deciduous Trees	Nonstocked	2.4		Unspecified	No																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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52 4130 - Aspen Sapling Well 61.5 25 1-50 N/A -CUT 1998, SALE 29-96

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Ash	5	Sapling/Pole	3		Beech	Low	5 - 10 feet	Sapling
Red Oak	2	Log/XLog	16		Ironwood	Medium	5 - 10 feet	Sapling
Quaking Aspen	15	Sapling/Pole	4		Sugar Maple	Medium	5 - 10 feet	Sapling
Red Oak	5	Sapling	4		Red Maple	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	63	Sapling/Pole	4	25				
Ironwood	5	Sapling	3					
Sugar Maple	5	Sapling/Pole	4					

53 310 - Herbaceous Openland Nonstocked 2.0 Managed Opening

54 4130 - Aspen Poletimber Well 14.6 40 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Ash	5	Pole/Sapling	6		Ironwood	Medium	5 - 10 feet	Sapling
Red Oak	3	Pole/Sapling	6		Beech	Medium	5 - 10 feet	Sapling
Paper Birch	3	Pole/Sapling	6					
Bigtooth Aspen	67	Pole/Sapling	6	40				
Sugar Maple	5	Sapling/Pole	4					
Basswood	2	Pole/Sapling	6					
Quaking Aspen	15	Pole/Sapling	6					

55 42110 - Planted Red Pine Sawtimber Well 10.1 63 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	3	Pole/Log	9		Beech	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	2	Log/Pole	12		Red Oak	Low	5 - 10 feet	Sapling
Red Pine	95	Log/Pole	13	63	Bigtooth Aspen	Low	5 - 10 feet	Sapling
					Ironwood	Low	5 - 10 feet	Sapling
					Sugar Maple	Medium	5 - 10 feet	Sapling
					White Ash	Low	5 - 10 feet	Sapling
					Red Maple	Medium	5 - 10 feet	Sapling

-same age as rp to west, broke out due to past partial stand treatment
-thinned 11/26/2019
-Residual basal area on 6/15/2016 was 127, removed 38 BA in fall 2019 (23% removed)

56 310 - Herbaceous Openland Nonstocked 1.0

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																						
58	4115 - Y.Birch, Hemlock NH	Sawtimber Well	12.7	89	51-80	N/A	-yellow birch scattered throughout -stand likely contains multiple springs and a large seep -some elm -significant amount of birch in general -short drainageway running N-S near access road along the east portion of the stand																																																																						
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59	310 - Herbaceous Openland	Nonstocked	1.0																																																																										
60	4111 - S.Maple, Hard Mast Association	Sawtimber Well	309.9	86	111-140	N/A	Some areas inoperable due to steep slopes. Area was previously thinned in 1987-89. More beech and pole size hardwood within the west half of this stand. Site quality decreases heading from east to west within this stand. Merged adjacent northern hardwood stand to the west with stand 60 due to similar age, size, species, and composition. QD information was averaged between the 2 merged stands. See attached QD pdfs for more information.																																																																						
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64	4110 - Sugar Maple Association	Sawtimber Medium	59.2	101	51-80	N/A	-see attached 2013 QD pdf -Memorial hardwoods (54-027-06-01) -closed 5-29-08 -cut orange trees, was heavy to basswood in cut volume -residual BA on timber sale says 70....point data, imagery, and site visit disagree.....more like 50-70 BA shelterwood			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		3	Log	16		Beech		Medium	10 - 20 feet	Sapling
Basswood		31	Pole/Log	9		White Ash		Low	< 5 feet	Sapling
Ironwood		3	Pole	7		Ironwood		Full	10 - 20 feet	Sapling
Beech		3	Log/Pole	12		Sugar Maple		Low	>20 feet	Sapling
Sugar Maple		60	Log/Pole	10	101					

65	4111 - S.Maple, Hard Mast Association	Sawtimber Well	126.1	86	51-80	N/A	-selection harvest completion date: 6/27/20 (PU1), 12/06/20 (PU2), 11/18/20 (PU3) -see treatments layer and lineage history for more information Residual BAs= 60			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Ironwood		2	Pole	5		Sugar Maple		Medium	>20 feet	Sapling
White Ash		9	Log/Pole	12		Red Maple		Low	>20 feet	Sapling
Sugar Maple		37	Log/Pole	10	86	Beech		Medium	Variable	Sapling
Beech		19	Pole	7		Blackberry/Raspberry		High	< 5 feet	Tall Shrub
Red Oak		3	XLog/Log	18		Ironwood		High	< 5 feet	Sapling
Basswood		28	Log/Pole	10		White Ash		Low	< 5 feet	Sapling
Paper Birch		2	Log/Pole	11						

66	3104 - Degraded	Nonstocked	1.0		Unspecified		
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67	3104 - Degraded	Nonstocked	1.3		Unspecified		
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68	4123 - Red Oak	Sawtimber Well	71.4	97	51-80	N/A	Residual BA in 2015- stand 68= 77 See attached QD report and lineage for more information.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		66	Log/Pole	13	97	Red Maple		Low	< 5 feet	Sapling
Bigtooth Aspen		2	Log/Pole	13		Beech		Medium	< 5 feet	Sapling
Basswood		13	Log/Pole	10		Red Oak		Low	< 5 feet	Sapling
White Ash		3	Log/Pole	10		Blackberry/Raspberry		High	< 5 feet	Tall Shrub
Sugar Maple		16	Log/Pole	10		Ironwood		Medium	< 5 feet	Sapling
						Sugar Maple		Medium	>20 feet	Sapling

69	3104 - Degraded	Nonstocked	1.3		Unspecified		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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70	4139 - Aspen, Mixed Deciduous	Sapling Medium	31.1	3	Immature	N/A	Clearcut Completion Date: 10/16/20 Stand 11 was part of the past clearcut and converted to low-density tree cover type.
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Canopy Species	% Cover	Size Class	DBH	Age
Beech	10	Sapling	1	
Quaking Aspen	10	Sapling	1	
Red Oak	1	Log/XLog	17	
Red Oak	5	Sapling	1	
Ironwood	15	Sapling	1	
Bigtooth Aspen	49	Sapling	1	3
Sugar Maple	10	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
Blackberry/Raspberry	High	< 5 feet	Tall Shrub

71	4110 - Sugar Maple Association	Sawtimber Well	14.6	88	81-110	N/A	selection harvest completion date: 10/08/20 residual BA in 2015- stand 71= 79
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	70	Log/Pole	10	88
Beech	5	Log/Pole	13	
Basswood	15	Log/Pole	13	
Red Oak	5	Log/XLog	15	
Bigtooth Aspen	5	Log/XLog	16	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	>20 feet	Sapling
Blackberry/Raspberry	High	< 5 feet	Tall Shrub
Beech	Medium	Variable	Sapling
Bigtooth Aspen	Medium	5 - 10 feet	Sapling
White Ash	Low	< 5 feet	Sapling
Ironwood	High	< 5 feet	Sapling

72	3104 - Degraded	Nonstocked	1.0				spotted knapweed high
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73	4119 - Mixed Northern Hardwoods	Sawtimber Well	14.5	94	81-110	N/A	Selection harvest completion date: 10/08/20 See attached QD report and lineage for more information. Residual BA in 2015- stand 73= 80
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	29	Log/XLog	16	
Bigtooth Aspen	5	Log	16	
Sugar Maple	45	Log/Pole	10	94
Basswood	10	Log/Pole	11	
Beech	2	Log/Pole	11	
White Ash	9	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
White Ash	Medium	< 5 feet	Sapling
Beech	Medium	Variable	Sapling
Ironwood	High	< 5 feet	Sapling
Striped Maple	Medium	5 - 10 feet	Sapling
Blackberry/Raspberry	High	< 5 feet	Tall Shrub
Sugar Maple	Medium	>20 feet	Sapling

77	4199 - Other Mixed Upland Deciduous	Sawtimber Well	24.7	108	51-80	N/A	-south 1/3rd has a 2–3-acre pocket of 30-50 yr pole timber-steep slopes, aspen in south 1/4 of stand-smaller pole oak in middle of stand to NW and larger sawlog oak to SE-birch has a high presence in the northern 1/3rd of the stand
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	15	Log	14	
Sugar Maple	15	Log/Pole	11	
Red Oak	35	Log/Pole/XLog	13	108
Basswood	25	Log/Pole	13	
Paper Birch	10	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	Variable	Sapling
Red Maple	Medium	Variable	Sapling
Beech	Low	Variable	Sapling
Red Oak	Medium	Variable	Sapling
Ironwood	Medium	Variable	Sapling
Striped Maple	Medium	Variable	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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78	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	9.1	95	81-110	N/A	-Harvesting per ash and beech initiative and variance approval date of 02/01/2013 -Mustard's Last Stand 54-028-13-01 -Rust Wood Products Inc.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		15	Log/XLog	17		Red Maple		Low	Variable	Sapling
Paper Birch		5	Log/Pole	12		Ironwood		Medium	Variable	Sapling
Basswood		20	Log/Pole	11		Sugar Maple		Low	Variable	Sapling
Red Oak		5	XLog/Log	22		Beech		Medium	Variable	Sapling
Bigtooth Aspen		20	Log/XLog	17	95	Striped Maple		Medium	5 - 10 feet	Tall Shrub
Sugar Maple		35	Pole/Log	9	95					

79	3104 - Degraded	Nonstocked	0.7	0	Unspecified		
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80	3104 - Degraded	Nonstocked	1.0		Unspecified		
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81	4199 - Other Mixed Upland Deciduous	Sawtimber Well	7.6	88	81-110	N/A	-TOO STEEP TO WORK in from sale 54-003-86-01, stated- Units II and III not complete due to steep slopes and poor-quality timber Part of unit I not cut.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		15	Log/Pole	11		Sugar Maple		Medium	Variable	Sapling
Basswood		15	Log/Pole	12		Red Maple		Low	Variable	Sapling
Red Oak		50	Log/Pole	11	88	White Ash		Low	Variable	Sapling
Paper Birch		5	Log/Pole	11		Beech		Medium	Variable	Sapling
Bigtooth Aspen		10	Log/Pole	12		Red Oak		Medium	Variable	Sapling
Red Pine		5	Log/Pole	11		Ironwood		Medium	Variable	Sapling

82	310 - Herbaceous Openland	Nonstocked	1.7			Managed Opening	
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83	3102 - Grass	Nonstocked	1.0				
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86	4199 - Other Mixed Upland Deciduous	Sawtimber Well	2.1	93	51-80	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Basswood		18	Log/Pole	11		White Ash		Low	>20 feet	Sapling
White Ash		6	Log/Pole	11		Beech		Medium	Variable	Sapling
Beech		5	Log/Pole	13		Ironwood		Medium	Variable	Sapling
Bigtooth Aspen		21	Log	13		Sugar Maple		Medium	>20 feet	Sapling
Sugar Maple		21	Pole	7						
Red Oak		29	Log/Pole	12	93					

87	6230 - Cattail	Nonstocked	0.9	0	Unspecified	No	cattail marsh on side of hill with seeps extending to the north.
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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91 42110 - Planted Red Pine Sawtimber Well 17.3 63 111-140 N/A

-3rd row thinned in 2000
-same age as rp to west, broke out due to past partial stand treatment
-old railroad grade bisects stand

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	5	Log/XLog	17		Beech	High	5 - 10 feet	Sapling
Sugar Maple	5	Pole/Log	9		Bigtooth Aspen	Low	5 - 10 feet	Sapling
Bigtooth Aspen	5	Log	15		Ironwood	High	5 - 10 feet	Sapling
Red Pine	85	Log/Pole	10	63	Sugar Maple	Medium	5 - 10 feet	Sapling
					White Ash	Low	5 - 10 feet	Sapling