



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54032

Entry Year 2025

Acreage: 1,692

County Montmorency

Management Area: Wolverine Moraines

Stand Examiner: Daniel Natzke

Legal Description:

T31N, R01E, Sec. 16, 17 & 18

Identified Planning Goals:

Planning goals include balancing the age class distribution of aspen, red pine, and jack pine; the continued selective management of northern hardwood stands; balancing timber management, wildlife habitat, and recreational uses.

Soil and topography:

The compartment can be seen as having two main characteristics: lowland flats and hills ranging from rolling to very steep. Tawas-Lupton mucks underlay most of the forested wetlands that make up the southern third of the compartment. During the dormant season the water table may vary from one foot above to one foot below the surface. Iosco sands mark a transition between forested wetlands and well-drained uplands. This soil features a seasonally perched water table during the dormant season just under the surface. Klacking sand, Millersburg loamy sand and Mancelona sand make up the hilly portion of the compartment. These soils tend to be well drained with a water table deeper than six feet.

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

The compartment is mostly surrounded by other stand land with a few private holdings in the east and southwest.

Unique Natural Features:

There are no unique natural features known in the compartment.

Archeological, Historical, and Cultural Features:

There are no archeological, historical, or cultural features are known in the compartment.

Special Management Designations or Considerations:

Currently there are no special management designations or considerations in this compartment.

Watershed and Fisheries Considerations:

Hodges Creek flows through the SW part of this compartment. It is a designated trout stream with some habitat improvement accomplished in recent years in the form of a new culvert for fish passage. Maintain quality buffer along stream (mostly cedar and spruce.)

Wildlife Habitat Considerations:

The south-facing slopes of the "Camp 30 Hills" are located in this compartment, which is in the heart of Michigan's elk range. The compartment offers excellent habitat for elk, white-tailed deer, wild turkey, and ruffed grouse. Bears are traditionally found in the swamp corridor as well. Several forest openings are managed to enhance the habitat and viewing opportunities for the featured species present. Forest should be managed to promote aspen as a food and cover source for elk, deer, and grouse. Mast trees should be retained to provide food for these and other wildlife species.

Mineral Resource and Development Concerns and/or Restrictions

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

Vehicle Access:

Despite topography, vehicle access by forest roads is good.

Survey Needs:

The compartment is well monumented. The need for a survey is unlikely.

Recreational Facilities and Opportunities:

The High Country Pathway runs along the north edge of this compartment.

Fire Protection:

The Atlanta DNR taskforce and Vienna Township Fire Department are the most likely to respond to fire in the area.

Additional Compartment Information:

1973 (1975 YOE Inventory notes "[a]ll areas north of swamp cut by Stevens 70/ 73 yrs", referring to Section 18).

The following reports from the Inventory are attached:

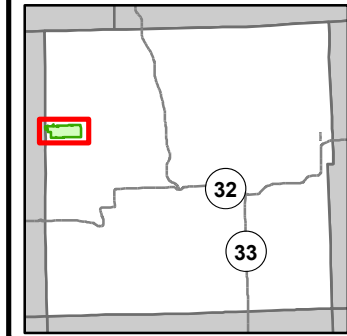
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

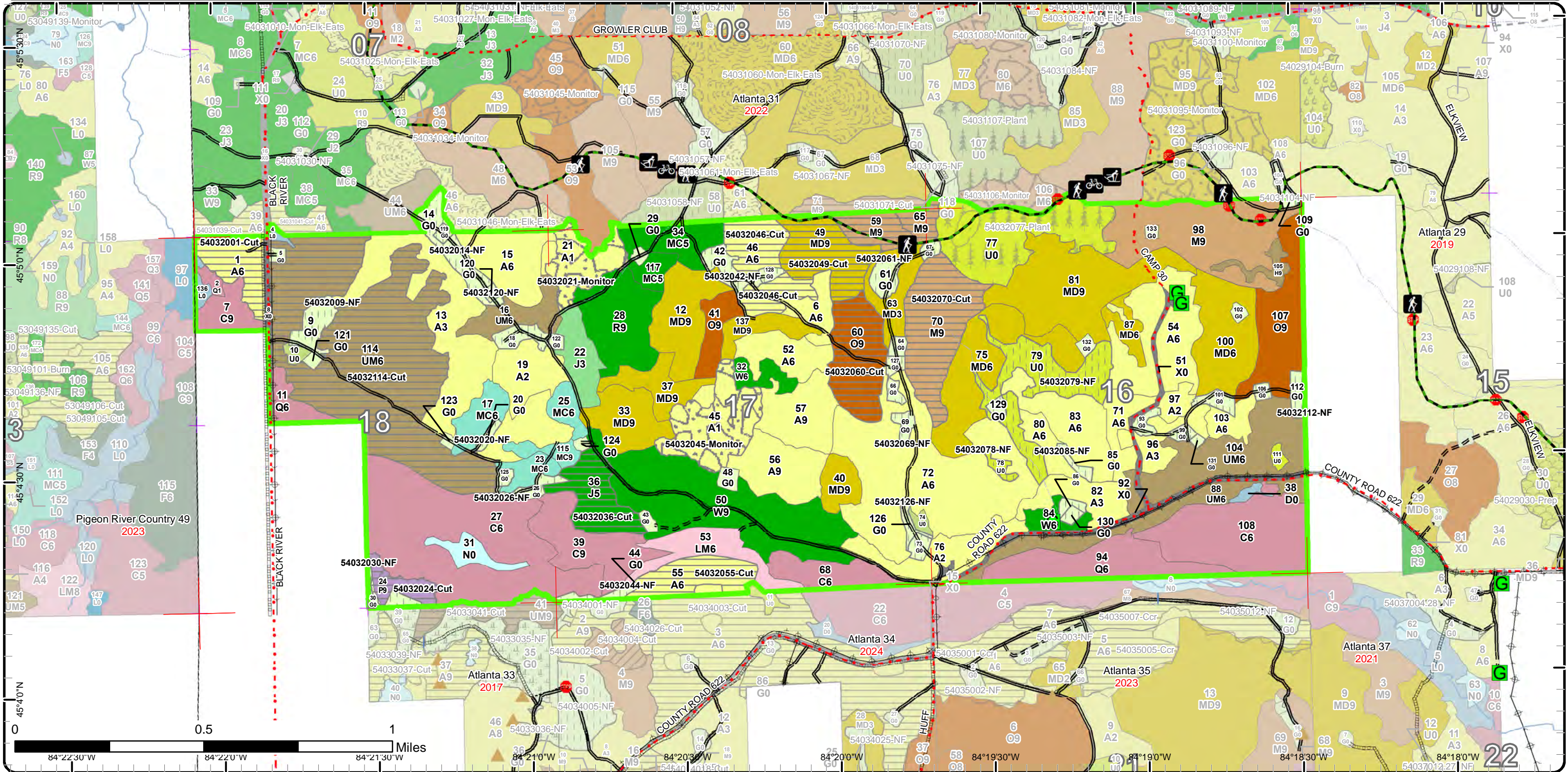
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 32
 T31N, R01E, Sec: 16 - 18
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Wolverine Moraines
 YOE: 2025
 Acres: 1691.5 GIS Calculated
 Examiner: Daniel Natzke
 Map Revised: 6/12/2023
 Map Phase: Review

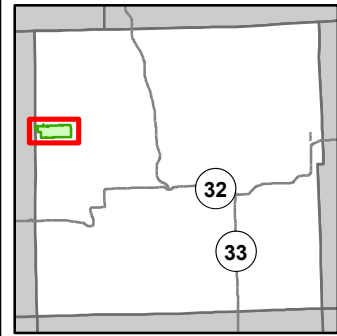


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|----------------------------------|-------------------------|-----------------------------------|--------------------------|
| — Miris Corners | ▲ Berms | ■ 411 - Northern Hardwood | ■ 622 - Lowland Shrub |
| ⊕ Remonumented Section Corners | ⬢ Gate | ■ 412 - Oak Types | ■ 623 - Emergent Wetland |
| ⊠ Counties | ⬢ Culvert | ■ 413 - Aspen | |
| == DNR - Secondary Forest Road | ⬢ Sign | ■ 419 - Mixed Upland Deciduous | |
| == DNR - Forest Access Route | ⬢ Intermittent Stream | ■ 421 - Planted Pines | |
| -.- County - Gravel Road | ⬢ Lake/Pond | ■ 422 - Natural Pines | |
| - - Private - Dirt / Gravel Road | ⬢ Perennial River | ■ 429 - Mixed Upland Conifers | |
| 🚶 Hiking Trails | ⬢ Lakes and Rivers | ■ 430 - Upland Mixed Forest | |
| 🚴 Bike Trails | ⬢ Pipeline | ■ 611 - Lowland Deciduous Forest | |
| 🛷 Ski Trails | ⬢ Powerline | ■ 612 - Lowland Coniferous Forest | |
| — Designated Hiking Trails | ⬢ Fence | ■ 613 - Lowland Mixed Forest | |
| — Designated Bicycle Trails | ⬢ Compartment Boundary | ■ 122 - Roads/Parking Lot | |
| — Designated Multi-Use Trails | ⬢ Clearcut (w/Reserves) | ■ 310 - Herbaceous Openland | |
| | ⬢ Regeneration Survey | ■ 320 - Upland Shrub | |
| | ⬢ Opening Maintenance | ■ 330 - Low Density Trees | |

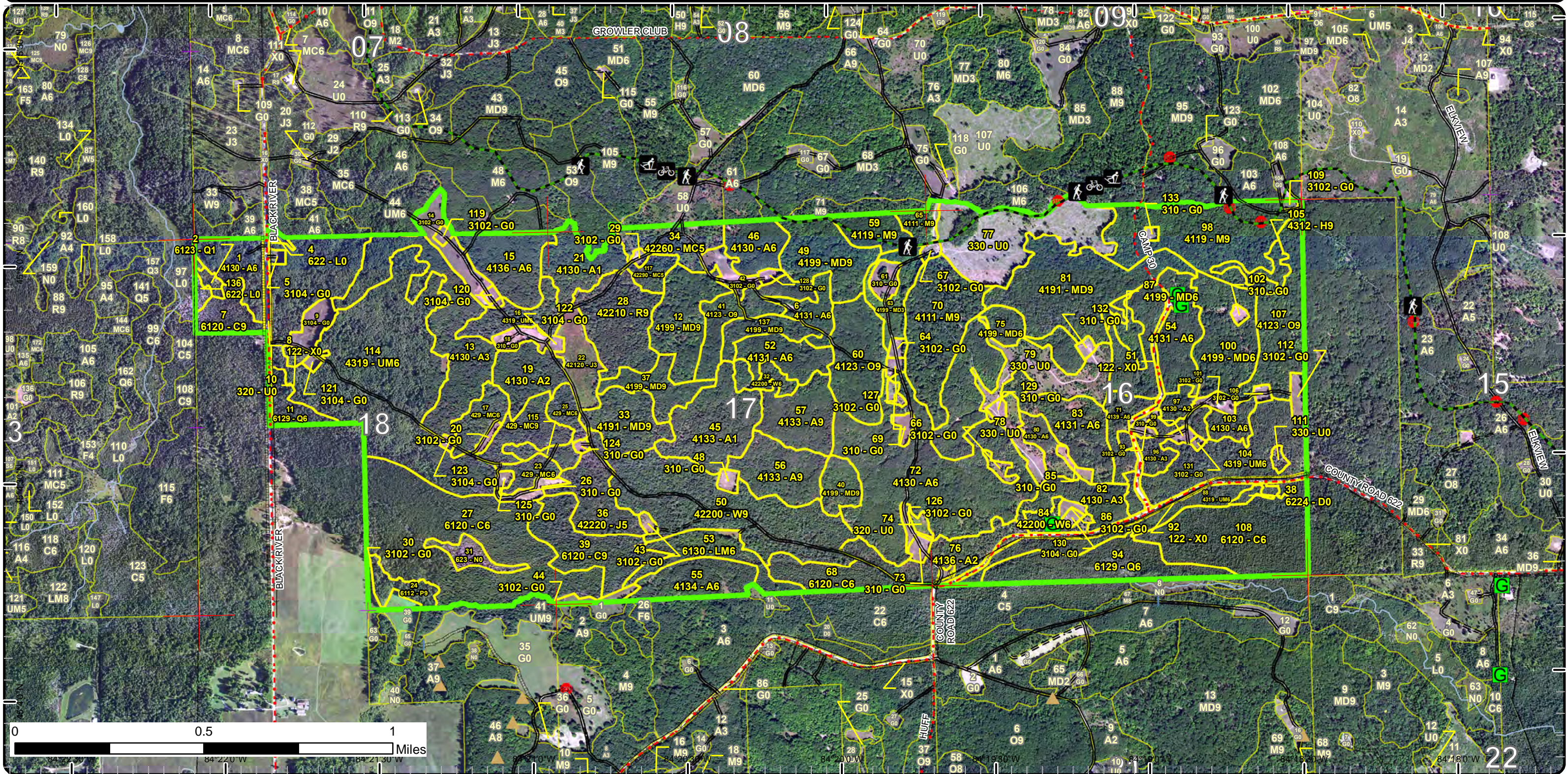


Stand Boundary Map

Compartment: 32
 T31N, R01E, Sec: 16 - 18
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Wolverine Moraines
 YOE: 2025
 Acres: 1691.5 GIS Calculated
 Examiner: Daniel Natzke
 Map Revised: 6/12/2023
 Map Phase: Review

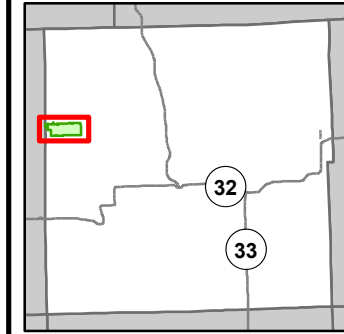


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Dirt / Gravel Road
- Hiking Trails
- Bike Trails
- Ski Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Multi-Use Trails
- Berms
- Gate
- Culvert
- Sign
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Fence
- Compartment Boundary
- Stand Boundaries
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland

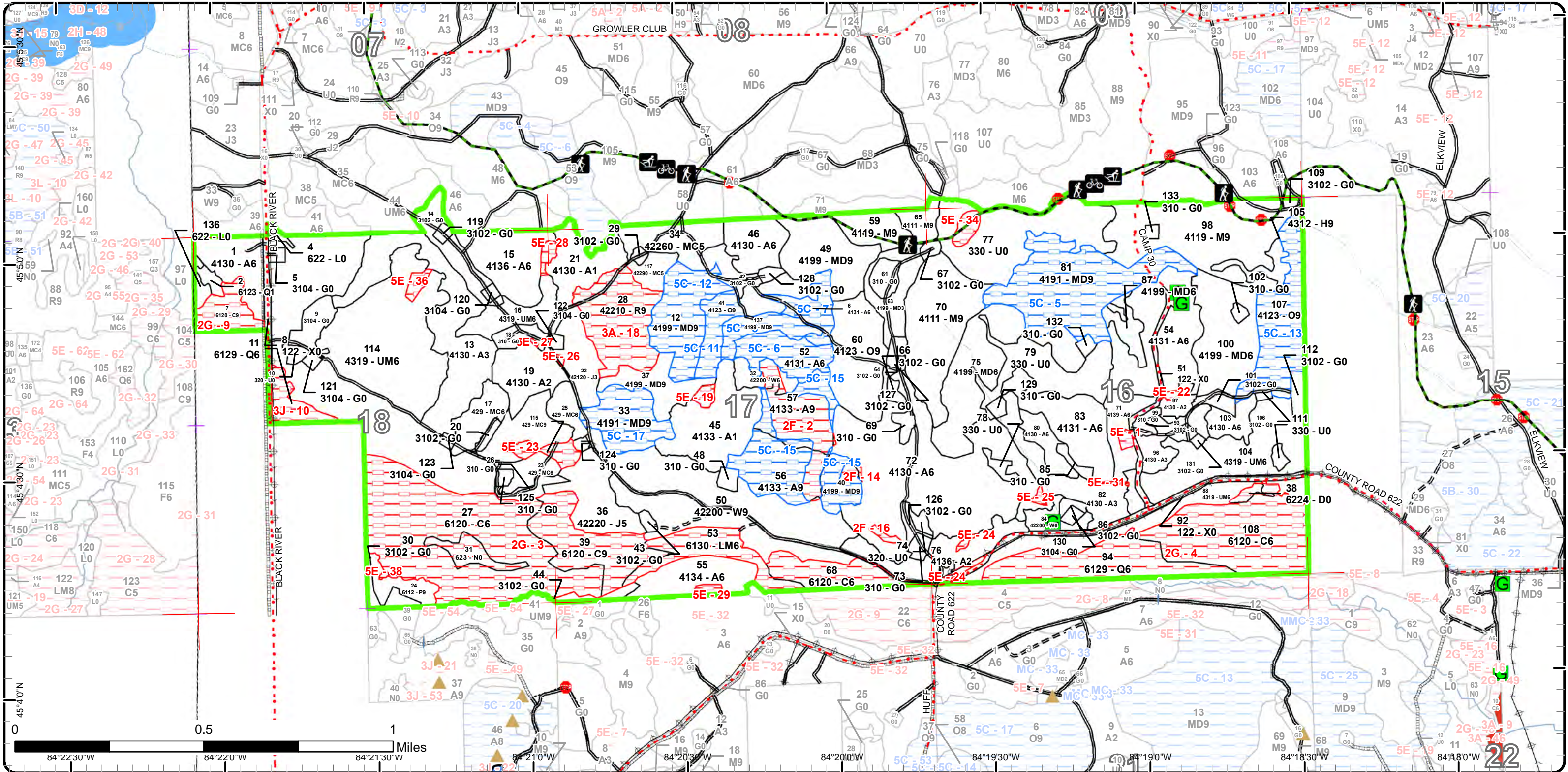


Special Conservation Areas

Compartment: 32
 T31N, R01E, Sec: 16 - 18
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Wolverine Moraines
 YOE: 2025
 Acres: 1691.5 GIS Calculated
 Examiner: Daniel Natzke
 Map Revised: 6/12/2023
 Map Phase: Review



- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Dirt / Gravel Road
- Hiking Trails
- Bike Trails
- Ski Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Multi-Use Trails
- Berms
- G Gate
- Culvert
- Sign
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Fence
- Compartment Boundary
- Available w/ Constraints
- 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
- Ecological Reference Areas
- Forest Habitat Core Interior
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



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	168	0	15	93	158	41	0	0	0	0	0	0	0	0	0	0	0	475
Cedar	0	0	0	0	0	0	0	0	0	26	0	45	15	86	10	0	0	0	182
Hemlock	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
Herbaceous Openland	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	87
Jack Pine	0	0	13	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	32
Low-Density Trees	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	7
Lowland Conifers	0	0	0	2	0	0	0	0	0	0	0	0	30	7	0	0	0	0	39
Lowland Mixed Forest	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	17
Lowland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Marsh	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	0	0	0	47	6	13	28	0	0	108	24	0	0	0	0	0	0	224
Natural Mixed Pines	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	20
Northern Hardwood	0	0	0	0	0	0	0	0	0	10	55	36	0	0	0	0	0	0	101
Oak	0	0	0	0	0	0	0	0	0	28	36	0	0	0	0	0	0	0	64
Red Pine	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	28
Treed Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Conifers	0	0	0	0	0	0	21	6	0	0	0	0	0	0	0	0	0	0	27
Upland Mixed Forest	0	0	0	0	0	40	149	13	0	0	0	0	0	0	0	0	0	0	201
Upland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Urban	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
White Pine	0	0	0	0	0	0	5	71	0	0	0	0	0	0	0	0	0	0	76
Total	194	168	13	17	140	224	229	137	17	92	206	110	45	93	10	0	0	0	1692



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 32

Total Compartment Acres: 1,692

Commercial Harvest - 311
 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	53	0	0	0	0	0	0	0	0	53
Jack Pine	19	0	0	0	0	0	0	0	0	19
Lowland Aspen/Balsam Poplar	7	0	0	0	0	0	0	0	0	7
Mixed Upland Deciduous	24	0	0	0	0	0	0	0	0	24
Northern Hardwood	51	0	0	0	0	0	0	0	0	51
Oak	26	0	0	0	0	0	0	0	0	26
Upland Mixed Forest	132	0	0	0	0	0	0	0	0	132
Total	311	0	0	0	0	0	0	0	0	311

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	311	0	39	0	0	44	0	92		486
Next Step	0	0	0	0	39	490	0	0		528
Total	311	0	39	0	39	533	0	92		1014



Stand Name	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:

1	54032001-Cut	15.1	4130 - Aspen	Poletimber Well	29	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clear cut without area retention due to the stand's small size. The harvestable acreage may be significantly reduced to remove wet areas.</p> <p><u>Specs:</u> Harvest in dry summer or frozen winter conditions. Roundwood only to protect soils from compaction. *Raptor *Atlanta grouse specification</p> <p>Harvest with stands 54031039 and 54031041 in the compartment to the north.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, red maple, oak, white pine, red pine, jack pine, balsam fir, spruce</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 /2024</p>											
9	54032009-NF	6.6	3104 - Degraded	Nonstocked			Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
14	54032014-NF	10.7	3102 - Grass	Nonstocked			Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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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18	54032018-NF	4.4	310 - Herbaceous Openland	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

20	54032020-NF	1.4	3102 - Grass	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

26	54032026-NF	3.5	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /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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30	54032030-NF	3.1	3102 - Grass	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

36	54032036-Cut	18.6	42220 - Natural Jack Pine	Poletimber Medium	60	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Clear cut with single tree retention. Leave all red pine, spruce, tamarack and white pine at 20" DBH and over.

Next Step Monitoring, Natural Regen (Re-Inventory)

Acceptable Any mix of pine, spruce, fir, and native associates of at least medium stocking.

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

42	54032042-NF	5.8	3102 - Grass	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /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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44	54032044-NF	2.6	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Specs:
Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

46	54032046-Cut	21.0	4130 - Aspen	Poletimber Well	48 81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clear cut without area retention. The sale preparer may mark leave trees up to 10BA over all at his or her discretion.

Specs:
*Raptor
*Current Atlanta grouse specification
*Oak wilt, no exceptions

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

Acceptable Any combination of aspen, maple, oak, balsam fir, white pine and red pine.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

49	54032049-Cut	23.8	4199 - Other Mixed Upland Deciduous	Sawtimber Well	100 81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Clear cut with area 3-10% area retention. Where possible, aggregate this retention with that of neighboring harvests, preferably along the High Country Pathway. The sale preparer may mark up to 10BA over all of leave trees at his or her discretion. Accumulate slash and tops over oak stumps to protect sprouts from browse. Harvest with stand 54031071 in the compartment to the north.

Specs:
*Raptor
*Protect the High Country Pathway
*Oak Wilt, no exceptions

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

Acceptable Any combination of oak, basswood, maple, aspen.
Regen:

Other Examine regeneration in an intermediate survey three years post-harvest to determine the success of slash accumulation in protecting sprouts from browse.
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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55	54032055-Cut	16.8	4134 - Aspen, Spruce/Fir	Poletimber Well	44	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
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Prescription -clearcut

Specs:
-3-10% area retention already excluded (see site conditions layer)
-leave all white pine not to exceed a cumulative residual BA of 10 (will not need to mark, only a trace amount present)
-include grouse timber sale specification

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

59	54032059-Cut	10.1	4119 - Mixed Northern Hardwoods	Sawtimber Well	82	141-170	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Clear cut with area 3-10% area retention. Where possible, aggregate this retention with that of neighboring harvests, preferably along the High Country Pathway. The sale preparer may mark up to 10BA over all of leave trees at his or her discretion. Accumulate slash and tops over oak stumps to protect sprouts from browse. Harvest with stand 54031071 in the compartment to the north.

Specs:
*Raptor
*Protect the High Country Pathway
*Oak Wilt, no exceptions

Next Step Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of oak, basswood, maple, aspen.

Regen:

Other

Comment: Examine regeneration in an intermediate survey three years post-harvest to determine the success of slash accumulation in protecting sprouts from browse.

Site Condition

Proposed Start Date: 10/1 /2024

60	54032060-Cut	26.1	4123 - Red Oak	Sawtimber Well	98	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Clear cut with area 3-10% area retention. Where possible, aggregate this retention with that of neighboring harvests. The sale preparer may mark up to 10BA over all of leave trees at his or her discretion. Accumulate slash and tops over oak stumps to protect sprouts from browse.

Specs:
*Raptor
*Oak Wilt, no exceptions

Next Step Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any combination of oak, basswood, maple, aspen.

Regen:

Other

Comment: Examine regeneration in an intermediate survey three years post-harvest to determine the success of slash accumulation in protecting sprouts from browse.

Site Condition

Proposed Start Date: 10/1 /2024



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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61	54032061-NF	4.2	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 through burning, mowing, planting, herbicide, or other
Specs: agriculture practices.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

64	54032064-NF	1.5	3102 - Grass	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 through burning, mowing, planting, herbicide, or other
Specs: agriculture practices.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

65	54032065-Cut	5.4	4111 - S.Maple, Hard Mast Association	Sawtimber Well	96	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Clear cut with area 3-10% area retention. Where possible, aggregate this retention with that of neighboring harvests, preferably along the
Specs: High Country Pathway. The sale preparer may mark up to 10BA over all of leave trees at his or her discretion. Accumulate slash and tops over oak stumps to protect sprouts from browse. Harvest with stand 54031071 in the compartment to the north.

- *Raptor
- *Protect the High Country Pathway
- *Oak Wilt, no exceptions

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

Acceptable Any combination of oak, basswood, birch, maple, aspen.
Regen:

Other Examine regeneration in an intermediate survey three years post-harvest to determine the success of slash accumulation in protecting
Comment: sprouts from browse.

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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66	54032066-NF	1.5	3102 - Grass	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

67	54032067-NF	1.3	3102 - Grass	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

69	54032069-NF	2.0	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /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
70 54032070-Cut	35.5	4111 - S.Maple, Hard Mast Association	Sawtimber Well	104	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Clear cut with area 3-10% area retention. The sale preparer may mark leave trees up to 10BA over all at his or her discretion. Accumulate slash and tops on oak stumps to protect them from browse.</p> <p><u>Specs:</u> *Raptor *Oak Wilt, no exceptions</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of aspen, basswood, maple, and oak</p> <p><u>Regen:</u></p> <p><u>Other</u> Examine regeneration in an intermediate survey three years post-harvest to determine the success of slash accumulation in protecting sprouts from browse.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
73 54032073-NF	2.0	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
78 54032078-NF	1.9	330 - Low-Density Trees	Nonstocked		Unspec ified	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.</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> Preferred treatment will be to forestry mulch and follow up with rotational Rx burns.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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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79	54032079-NF	28.4	330 - Low-Density Trees	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage and maintain its open character, through burning, mowing, mulching, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment: Preferred treatment will be to forestry mulch and follow up with rotational Rx burns.

Site Condition

Proposed Start Date: 10/1 /2024

85	54032085-NF	1.7	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

86	54032086-NF	1.3	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /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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93	54032093-NF	2.0	3102 - Grass	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

99	54032099-NF	1.5	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

101	54032101-NF	2.8	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /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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106	54032106-NF	1.2	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

109	54032109-NF	0.7	3102 - Grass	Nonstocked	Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

112	54032112-NF	3.0	3102 - Grass	Nonstocked		NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /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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114 54032114-Cut	131.9	4319 - Mixed Upland Forest	Poletimber Well	52	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clear cut with retention. Areas to consider for retention: adjacent to existing retention in the north, wet areas, near the trail connecting to Black River Rd. Where possible follow the type line into the adjacent compartment (54031 stands 39 and 41). Harvestable acreage may be reduced due to the exclusion of wet areas. Harvest in dry summer or frozen winter conditions. Roundwood operation only to protect soils. Indicate the largest wet areas on the sale map. *Grouse trees *Raptor *Rabbit habitat about every 400ft along the swamp conifer edge

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of aspen, maple, pine, spruce and fir of at least medium stocking

Regen:

Other Harvest with stands 54031039 and 54031041 in the compartment to the north

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

119 54032119-NF	1.1	3102 - Grass	Nonstocked			Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

120 54032120-NF	0.9	3104 - Degraded	Nonstocked				NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /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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122	54032122-NF	1.0	3104 - Degraded	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
<p><u>Prescription Specs:</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

125	54032125-NF	1.2	310 - Herbaceous Openland	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
<p><u>Prescription Specs:</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

126	54032126-NF	1.9	3102 - Grass	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
<p><u>Prescription Specs:</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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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127	54032127-NF	1.4	3102 - Grass	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

128	54032128-NF	1.3	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

129	54032129-NF	1.3	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage and maintain its open character, through burning, mowing, mulching, planting, herbicide, or other agriculture practices.

Next Step Treatments:

Acceptable Regen:

Other Comment: Preferred treatment will be to forestry mulch and follow up with rotational Rx burns.

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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130	54032130-NF	1.1	3104 - Degraded	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

131	54032131-NF	0.6	3102 - Grass	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

Approved Treatments:

21	54032021-Monitor	16.2	4130 - Aspen	Sapling Poor	4	Immature	Monitoring	Natural Regen (Re-Inventory)	4131 - Aspen, Oak	Even-Aged	No
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Prescription Look for trees

Specs:

Next Step
Treatments:

Acceptable Any combination of aspen, oak, fir or pine resulting in at least low stocking.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2032



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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
24 54032024-Cut	7.0	6112 - Lowland Aspen	Sawtimber Well	97	51-80	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut with reserves. Do not cut any northern white cedar. Focus retention around the northern white cedar while including species representative of the overall stand as a whole. Spec a winter harvest/frozen ground conditions to protect the soils from rutting that would adversely affect the drainage in the area. A winter harvest would also avoid conflicts with elk viewing and adjacent wildlife planting. Create an irregular/non-linear stand boundary along the north edge.</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 Regen:</u> Acceptable regeneration is a mix of balsam poplar, quaking aspen, balsam fir, and white spruce.</p> <p><u>Other Comment:</u> There is a lowland run-off area in the narrow portion of the stand that leads to the northwest arm of the stand. Corduroy (slash) may be needed for harvesting equipment to drive over when passing through this low area.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
45 54032045-Monitor	27.5	4133 - Aspen, Mixed Pine	Sapling Poor	4	Immature	Monitoring	Natural Regen (Re-Inventory)	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
<p><u>Prescription</u> Look for trees sufficient to meet the acceptable regeneration statement.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration is any combination of oak, aspen, jack pine, red pine, or white pine resulting in a stand of at least poor stocking.</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2032</p>										

Total Treatment Acreage Proposed: 461.9

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 32
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
475	398	48	29

Dominant Site Conditions

	Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Condition	Dominant Site Conditions					
						5C	2F	2G	3A	3J	5E
475	398	48	29		Aspen	48	18				11
181	0	0	181		Cedar			181			0
5	5	0	0		Hemlock						
87	87	0	0		Herbaceous Openland						
31	31	0	0		Jack Pine						
73	70	0	3		Low-Density Trees						3
7	7	0	0		Lowland Aspen/Balsam Poplar			0			0
39	2	0	37		Lowland Conifers			30		7	
17	0	0	17		Lowland Mixed Forest			17			
3	3	0	0		Lowland Shrub						
6	0	0	6		Marsh			6			
224	117	107	1		Mixed Upland Deciduous	107	1				0
20	20	0	0		Natural Mixed Pines						
100	100	0	0		Northern Hardwood						
64	26	38	0		Oak	38					
28	0	0	28		Red Pine				28		
2	0	0	2		Treed Bog			2			
26	22	0	5		Upland Conifers						5
202	202	0	0		Upland Mixed Forest					0	
3	3	0	0		Upland Shrub						
20	20	0	0		Urban					0	
76	74	0	2		White Pine		2				
1,692	1,188	192	312		Total Forested Acres	192	21	236	28	7	19
	70%	11%	18%		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	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 32
Year of Entry: 2025

2	Unavailable	2F: Too steep	19	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Has two known seeps on west edge. Not fully inventoried for seeps.							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	149	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	77	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 32
Year of Entry: 2025

8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	5A: Not able to obtain desirable regeneration	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments: Spring with drainage channel..							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Free flowing cold water stream.							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 32
Year of Entry: 2025

14	Unavailable	2F: Too steep	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Has two known seeps on west edge. Not fully inventoried for seeps.							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2F: Too steep	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Has two known seeps on west edge. Not fully inventoried for seeps.							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	3A: Conservation Values incompatible with harvest at this time	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	5E: Long-Term Retention	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Has two known seeps on west edge. Not fully inventoried for seeps. retention for treatment to southeast.							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 32
Year of Entry: 2025

22	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: for treatment to north							
24	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	5E: Long-Term Retention	1	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: retention for treatment to south and east							
26	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: for treatment to east.							
29	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 55							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 32
Year of Entry: 2025

31	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: For treatment to south.							
34	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention to treatment in stand 114.							
38	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long Term Retention for stand 24. Rx called for a C.C with Retention even though treatment size is 7 acres.							

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 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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
1	4130 - Aspen	Poletimber Well	15.1	29	51-80	N/A	Fairly dense alder understory. Water near and often at surface in low spots		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		5	Pole/Sapling	5		Tag Alder	Medium	10 - 20 feet	Tall Shrub
Quaking Aspen		95	Pole/Sapling	5	29	Balsam Fir	Medium	10 - 20 feet	Sapling
2	6123 - Lowland Fir	Sapling Poor	2.0	29	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		50	Sapling/Pole	4	29	Alder	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen		5	Sapling	3		Black Spruce	Low	< 5 feet	Seeding
Black Spruce		40	Pole/Sapling	6		Balsam Fir	Low	< 5 feet	Seeding
Tamarack		5	Sapling	3		Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
4	622 - Lowland Shrub	Nonstocked	1.1		Immature	No			
Sub-Canopy Species		Density	Avg. Height	Size					
Willow spp.		High	10 - 20 feet	Tall Shrub					
Mixed Sedges/Grasses		Medium	Unspecified	Non-Wood					
Alder		Medium	5 - 10 feet	Tall Shrub					
5	3104 - Degraded	Nonstocked	1.1						
Sub-Canopy Species		Density	Avg. Height	Size					
Spotted Knapweed		High	Unspecified	Non-Wood					
Mixed Grasses		Low	Unspecified	Non-Wood					
Quaking Aspen		Low	10 - 20 feet	Sapling					
6	4131 - Aspen, Oak	Poletimber Well	9.2	43	81-110	N/A	Stand seems a little bit of a patchwork of about 50 year old and about 40 year old trees. The area was treated with a bulldozer in 1980 to cut residual trees.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		40	Pole	7	43	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
White Pine		5	Pole/Sapling	6					
Quaking Aspen		10	Pole/Log	8					
Sugar Maple		10	Sapling/Pole	3	43				
Red Oak		25	Pole/Log	8					
Red Maple		10	Pole/Sapling	5					
7	6120 - Lowland Cedar	Sawtimber Well	9.9	136	141-170	N/A	Most of the stand is well drained for cedar. The stand exists on a gentle slope southward and westward. Portions to the north are drainages. Water meets the surface periodically throughout.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		10	Pole	7		Balsam Fir	Low	< 5 feet	Seeding
Paper Birch		5	Log	11		Black Spruce	Low	< 5 feet	Seeding
Northern White Cedar		85	Log	12	136				
8	122 - Road/Parking Lot	Nonstocked	4.2			No	Black River Road. Gravel and native surface.		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
9	3104 - Degraded	Nonstocked	6.6		Unspecified	Managed Opening																																														
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10	320 - Upland Shrub	Nonstocked	1.7		Immature	No	A stand of cherry brush.																																													
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11	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	7.4	120	81-110	N/A	tamarack 113 at dbh																																													
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12	4199 - Other Mixed Upland Deciduous	Sawtimber Well	23.6	93	51-80	N/A	Stand conditions arose from past species cut of Aspen about 50 years ago. West quarter is poorer relative to the rest. The rest is very good quality red oak. There is a fair amount of ironwood saplings in understory																																													
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Red Oak	55	Log	14	93																																																
Sugar Maple	5	Log/Pole	13																																																	
13	4130 - Aspen	Sapling Well	57.2	4	Immature	N/A	The stand seems to be growing in well. There are a few bare patches that probably were skid paths and the landing.																																													
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14	3102 - Grass	Nonstocked	10.7		Unspecified	Managed Opening	A lot of spotted knapweed.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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15 4136 - Aspen, Mixed Conifer Poletimber Well 21.1 47 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	4	Log/Pole	10		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	10	Pole	7		White Pine	Low	Variable	Sapling
Bigtooth Aspen	65	Pole/Log	8	47	Beech	Trace	< 5 feet	Sapling
Quaking Aspen	10	Pole	7		Red Pine	Low	10 - 20 feet	Sapling
Red Oak	3	Pole	8		Red Maple	Medium	>20 feet	Sapling
White Pine	8	Pole/Log	8					

16 4319 - Mixed Upland Forest Poletimber Well 12.5 63 81-110 N/A

There seems to be fairly heavy wildlife use. Many trees with open grown characteristics.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	3	Log	14		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	25	Pole/Log	9	63	Quaking Aspen	Low	< 5 feet	Seeding
Balsam Fir	23	Pole	9		White Pine	Low	Variable	Sapling
White Pine	20	Log/Pole	10		Beech	Trace	< 5 feet	Seeding
White Spruce	5	Pole	8					
Jack Pine	2	Pole/Sapling	6					
Red Maple	5	Pole	6					
Red Pine	7	Pole	7					
Bigtooth Aspen	10	Log/Pole	11					

17 429 - Mixed Upland Conifers Poletimber Well 9.8 52 81-110 N/A

White pine increases to become canopy dominant in the north.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	2	Log	12		Balsam Fir	High	Variable	Sapling
White Pine	26	Log/Pole/XLog	14					
Red Maple	5	Pole/Log	9					
White Spruce	5	Pole	6					
Quaking Aspen	10	Pole/Log	9					
Northern White Cedar	2	Log	15					
Balsam Fir	50	Pole/Sapling	7	52				

18 310 - Herbaceous Openland Nonstocked 4.4 Immature Managed Opening New stand added.

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	Low	Unspecified	Non-Wood
Spotted Knapweed	High	Unspecified	Non-Wood

19 4130 - Aspen Sapling Medium 15.4 4 Immature N/A

Stand center shows poor recruitment. The area looks like it is wet. Compaction, herbivory and wetness are probably at play.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	100	Sapling	1	4	Mixed Sedges/Grasses	High	Unspecified	Non-Wood



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																			
20	3102 - Grass	Nonstocked	1.4		Immature	Managed Opening																				
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Mixed Grasses	Medium	Unspecified	Non-Wood																							
Spotted Knapweed	Full	Unspecified	Non-Wood																							
21	4130 - Aspen	Sapling Poor	17.8	4	Immature	N/A	Perhaps 60% stocked with aspen browsed to about 3'. Other areas saw little to no aspen or other regeneration. Current regeneration accepted during compartment review process.																			
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Blackberry/Raspberry	Low	< 5 feet	Tall Shrub																							
22	42120 - Planted Jack Pine	Sapling Well	12.8	16	Immature	N/A	The current record indicates it was planted in jack pine rather than red pine. Looks fully stocked.																			
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23	429 - Mixed Upland Conifers	Poletimber Well	6.0	52	81-110	N/A																				
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24	6112 - Lowland Aspen	Sawtimber Well	7.1	97	51-80	N/A	Portions outside the sale area fit the cedar stand to the north better and were merged into that stand.																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
27	6120 - Lowland Cedar	Poletimber Well	85.7	120	141-170	N/A	Like stand 39 but poorer, wetter, and lacking as much tamarack.																																																							
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28	42210 - Natural Red Pine	Sawtimber Well	28.0	87	111-140	N/A	No planting records found for this stand. The stand examiner believes it is of natural origin. Stand may be an example of dry-mesic northern forest.																																																							
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31	623 - Emergent Wetland	Nonstocked	6.3			No																																																								
32	42200 - Natural White Pine	Poletimber Well	6.1	62	81-110	N/A	Overstory of about 90 year old white and red pine over white pine poles which make up most of the stand.																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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33 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 18.1 95 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	15	Pole	7	63	White Pine	Medium	>20 feet	Sapling
Bigtooth Aspen	5	Log	13		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	15	Pole/Sapling	5		Red Maple	Medium	>20 feet	Sapling
White Pine	25	Log	14	63				
Red Oak	40	XLog/Log	18	95				

34 42260 - Natural Pine, Mixed Deciduous Poletimber Medium 14.7 48 51-80 N/A Widely spaced and open grown trees.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	15	Log/Pole/XLog	12		Jack Pine	Low	10 - 20 feet	Sapling
Bigtooth Aspen	10	Pole/Log	9		Cherry (spp.)	Medium	5 - 10 feet	Sapling
White Pine	40	Log	15	48	Beech	Trace	5 - 10 feet	Sapling
Jack Pine	15	Pole	8	48	White Pine	Medium	Variable	Sapling
Quaking Aspen	20	Pole	8					

36 42220 - Natural Jack Pine Poletimber Medium 18.6 60 51-80 N/A Pockets of jack pine mortality. Stand takes on wetland characteristics along swamp to west and south.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	20	Log/Pole/XLog	16		Balsam Fir	Low	Variable	Sapling
Red Pine	4	Log	15		White Pine	Low	Variable	Sapling
Jack Pine	65	Pole	7	60				
Black Spruce	5	Pole	6					
Tamarack	1	Log	10					
Balsam Fir	5	Pole	7					

37 4199 - Other Mixed Upland Deciduous Sawtimber Well 12.5 56 81-110 N/A Stand conditions arose from past species cut of Aspen about 50 years ago. West quarter is poorer relative to the rest. The rest is very good quality red oak.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	35	Log	14	93	Beech	Low	>20 feet	Sapling
Red Pine	5	Log	12		Red Maple	Medium	>20 feet	Sapling
White Pine	5	Pole/Sapling	7		White Pine	Medium	Variable	Sapling
Bigtooth Aspen	38	Log/Pole	12	56				
Beech	2	Pole	7					
Sugar Maple	5	Log/Pole	13					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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38 6224 - Treed Bog Nonstocked 1.5 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	>20 feet	Sapling
Paper Birch	Trace	>20 feet	Sapling
Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	Trace	>20 feet	Sapling
Alder	High	5 - 10 feet	Tall Shrub

39 6120 - Lowland Cedar Sawtimber Well 25.5 88 141-170 N/A This is a nice site for cedar and tamarack but it's too wet.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	50	Log	11	88	Balsam Fir	Medium	10 - 20 feet	Sapling
Balsam Fir	15	Pole/Sapling	6		Sphagnum Moss	Full	Unspecified	Non-Wood
Black Spruce	15	Pole/Log	8	88				
Tamarack	20	Log/Pole	10	88				

40 4199 - Other Mixed Upland Deciduous Sawtimber Well 8.5 91 111-140 N/A Mixed deciduous leaning heavily to oak. Stand is relatively dense. Significant slopes (too steep) on east and west sides.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	6		Beech	Low	< 5 feet	Seeding
Bigtooth Aspen	15	Pole/Log	9		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Red Pine	9	Log	12		White Pine	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	56	Log/Pole	11	91	Red Maple	Low	Variable	Sapling

41 4123 - Red Oak Sawtimber Well 9.5 93 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	5		White Pine	Medium	Variable	Sapling
White Pine	5	Pole/Sapling	7		Beech	Low	>20 feet	Sapling
Red Pine	5	Log	12		Red Maple	Medium	>20 feet	Sapling
Basswood	5	Log	14					
Beech	2	Pole	7					
Red Oak	63	XLog/Log	18	93				
Sugar Maple	5	Pole	7					
Bigtooth Aspen	5	Log/Pole	12					

42 3102 - Grass Nonstocked 5.8 Immature Managed Opening an opening in better shape than most in the compartment

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	High	Unspecified	Non-Wood
Spotted Knapweed	Medium	Unspecified	Non-Wood



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
43	3102 - Grass	Nonstocked	1.2		Unspecified	No	A nice grassy opening converting to forested condition																																								
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45	4133 - Aspen, Mixed Pine	Sapling Poor	29.2	4	Immature	N/A	A circuit around the stand shows maybe 40% free to grow Aspen. Many of those areas show heavy browse. Large areas of Aspen browsed 3-4 feet. Many patches with little to no regen. Coincidence or not, browse also seemed heaviest in the narrow panhandle to the north.																																								
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46	4130 - Aspen	Poletimber Well	21.0	48	81-110	N/A	The stand is relatively variable for the type.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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50 42200 - Natural White Pine Sawtimber Well 64.9 63 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	5	Log/XLog/Pole	14		White Pine	Medium	Variable	Sapling
White Pine	70	Log/XLog/Pole	14	63	Balsam Fir	Low	10 - 20 feet	Sapling
Red Oak	5	XLog	20					
Bigtooth Aspen	5	Pole	8					
Red Maple	5	Pole	7					
Quaking Aspen	10	Pole	7					

51 122 - Road/Parking Lot Nonstocked 5.1 No Camp 30 Road. Gravel and native surface.

52 4131 - Aspen, Oak Poletimber Well 14.1 48 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Pole/Log	8		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Sugar Maple	10	Sapling/Pole	3	48				
Red Oak	25	Pole/Log	8					
Bigtooth Aspen	40	Pole	7	48				
Red Maple	10	Pole/Sapling	5					
White Pine	5	Pole/Sapling	6					

53 6130 - Fir, Aspen, Maple Poletimber Well 17.1 75 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	38	Pole	7	75	Balsam Fir	Full	>20 feet	Sapling
Quaking Aspen	5	Pole	6					
Balsam Fir	35	Pole	6					
Black Spruce	5	Pole/Sapling	5					
White Pine	7	Log/XLog	16					
White Spruce	10	Log	12	75				

54 4131 - Aspen, Oak Poletimber Well 35.5 47 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	60	Pole/Log	8	47	Ironwood	Medium	>20 feet	Sapling
Basswood	5	Pole	8					
Sugar Maple	10	Pole/Sapling	5					
Red Oak	20	Log/Pole	10					
Paper Birch	5	Pole/Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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55 4134 - Aspen, Spruce/Fir Poletimber Well 18.0 44 81-110 N/A despite age some trees have conk. cut with stands to the south pine fringe in southwest transitions to wetland

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	8	Pole/Sapling	5		Balsam Fir	Low	10 - 20 feet	Sapling
Red Oak	5	XLog	18		Ironwood	Low	>20 feet	Sapling
Red Maple	10	Pole/Sapling	5					
Quaking Aspen	30	Pole	8	44				
White Pine	10	Pole/Log/XLog	8					
Balsam Fir	18	Pole	7					
Black Spruce	5	Pole	6					
Bigtooth Aspen	10	Pole/Log	8	44				
Balsam Poplar	2	Log	10					
Paper Birch	2	Pole/Sapling	5					

56 4133 - Aspen, Mixed Pine Sawtimber Well 20.7 57 81-110 N/A Jack pine is located at ridge tops mostly and has largely senesced from the stand. Ridge tops look more like PVC while rest of the stand probably parvha.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	15	Log	12		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine	7	Log/Pole/XLog	10		White Pine	Medium	Variable	Sapling
Bigtooth Aspen	40	Pole/Log	9	57				
Red Pine	28	Log	14	87				
Red Maple	5	Pole/Sapling	5					
Jack Pine	5	Log/Pole	10					

57 4133 - Aspen, Mixed Pine Sawtimber Well 20.5 57 N/A Slopes are too steep for operations in the east and west sides.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Log	14		Beech	Medium	Variable	Sapling
Jack Pine	15	Pole/Log	9		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Red Pine	8	Log/XLog	15		White Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	30	Log/Pole	11	91				
Red Maple	5	Pole	7					
Bigtooth Aspen	40	Log/Pole	10	57				

59 4119 - Mixed Northern Hardwoods Sawtimber Well 10.1 82 141-170 N/A Some excellent red oak and sugar maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	35	Log/Pole	11	82	Beech	High	5 - 10 feet	Sapling
Basswood	23	Log	13	82	Ironwood	Medium	5 - 10 feet	Sapling
Red Oak	30	Log/XLog	15	104				
Beech	7	Pole/Log	9					
Bigtooth Aspen	2	Log	15					
Ironwood	3	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
60	4123 - Red Oak	Sawtimber Well	26.1	98	81-110	N/A	Denser than the stand to the north and perhaps a little lower quality.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		2	Pole	9		Striped Maple	
Bigtooth Aspen		4	Log/Pole	14		Beech	
White Pine		2	Log	10			
Beech		2	Pole	8			
Red Oak		84	Log	13	98		
Sugar Maple		4	Log	15			
Basswood		2	Log	14			
61	310 - Herbaceous Openland	Nonstocked	4.2		Unspecified	Managed Opening	
Sub-Canopy Species		Density	Avg. Height	Size			
Mixed Grasses		Low	Unspecified	Non-Wood			
Spotted Knapweed		High	Unspecified	Non-Wood			
63	4199 - Other Mixed Upland Deciduous	Sapling Well	11.3	35	1-50	N/A	Some very good sugar maple and oak regeneration. Only downside is the amount of ironwood throughout.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Oak		15	Sapling	3		Sugar Maple	
Ironwood		30	Sapling	3			
Sugar Maple		55	Sapling	2	35		
64	3102 - Grass	Nonstocked	1.5		Unspecified		
Sub-Canopy Species		Density	Avg. Height	Size			
Spotted Knapweed		Medium	Unspecified	Non-Wood			
Mixed Grasses		High	Unspecified	Non-Wood			
65	4111 - S.Maple, Hard Mast Association	Sawtimber Well	5.4	96	81-110	N/A	Fairly significant former ash component has died out of the stand. Lower BA, poorer form and shorter heights than the stand to the west.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		61	Pole/Log	9	96	Beech	
Beech		5	Log	14		Ironwood	
Red Oak		6	XLog/Log	22			
Bigtooth Aspen		2	Log	14			
Paper Birch		6	XLog/Log/Pole	19			
Quaking Aspen		2	Log	15			
Basswood		18	Log/Pole	13	96		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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66	3102 - Grass	Nonstocked	1.5		Immature	Managed Opening				
							Sub-Canopy Species	Density	Avg. Height	Size
							Sugar Maple	Trace	>20 feet	Sapling
							Cherry (spp.)	Low	10 - 20 feet	Sapling
							Mixed Grasses	High	Unspecified	Non-Wood
Spotted Knapweed	Medium	Unspecified	Non-Wood							

67	3102 - Grass	Nonstocked	1.3		Immature				
						Sub-Canopy Species	Density	Avg. Height	Size
						Autumn Olive	Trace	5 - 10 feet	Tall Shrub
						Mixed Grasses	Medium	Unspecified	Non-Wood
Spotted Knapweed	High	Unspecified	Non-Wood						

68	6120 - Lowland Cedar	Poletimber Well	14.8	118	111-140	N/A	Upland margins quickly end in puddles, low brush and cedar.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	5	Log	10		Michigan Holly	Trace	5 - 10 feet	Tall Shrub
Quaking Aspen	2	Pole	6		Tag Alder	Low	10 - 20 feet	Tall Shrub
Red Maple	5	Log/Pole	9		Balsam Fir	High	10 - 20 feet	Sapling
Balsam Fir	15	Pole/Log	7	61				
Black Spruce	5	Pole	8					
Northern White Cedar	68	Pole	9	118				

69	310 - Herbaceous Openland	Nonstocked	2.0		Unspecified	Managed Opening				
							Sub-Canopy Species	Density	Avg. Height	Size
							Spotted Knapweed	High	Unspecified	Non-Wood
Mixed Grasses	Low	Unspecified	Non-Wood							

70	4111 - S.Maple, Hard Mast Association	Sawtimber Well	35.5	104	81-110	N/A	A walk through regen gaps shows only trace sugar maple. White ash is common and in a few places a carpet. Regeneration gaps are fully stocked with beech brush, striped maple, ironwood.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	57	Pole/Log	9	104	Ironwood	Medium	10 - 20 feet	Sapling
Basswood	21	Log	13	104	Beech	High	5 - 10 feet	Sapling
Hemlock	2	XLog/Log	19					
Red Oak	13	XLog	27					
Bigtooth Aspen	7	XLog/Log/Pole	22					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
71	4139 - Aspen, Mixed Deciduous	Poletimber Well	9.8	47	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Ironwood		25	Sapling	3		Ironwood	
Basswood		5	Log	14		High	
Bigtooth Aspen		20	Pole	8	47	Variable	
Quaking Aspen		35	Pole/Log	8	47	Sapling	
Red Oak		10	Log/Pole	10			
Sugar Maple		5	Pole/Sapling	5	11		
72	4130 - Aspen	Poletimber Well	86.2	35	81-110	N/A	Some ridge tops trend heavily to oak.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		5	Sapling/Pole	4		Witch Hazel	
Ironwood		5	Sapling	2		Medium	
Black Cherry		2	Pole/Sapling	6		5 - 10 feet	
Red Maple		5	Sapling	4		Tall Shrub	
Red Oak		10	Pole/Sapling	5		Low	
Red Pine		1	Pole	7		Variable	
Quaking Aspen		20	Pole/Sapling	6		Sapling	
Bigtooth Aspen		52	Pole	7	35		
73	310 - Herbaceous Openland	Nonstocked	2.0		Unspecified		
Sub-Canopy Species		Density	Avg. Height	Size			
Mixed Grasses		Low	Unspecified	Non-Wood			
Spotted Knapweed		Full	Unspecified	Non-Wood			
74	320 - Upland Shrub	Nonstocked	1.5		Unspecified	No	
Sub-Canopy Species		Density	Avg. Height	Size			
Northern Pin Oak		Low	10 - 20 feet	Sapling			
White Pine		Low	5 - 10 feet	Sapling			
Witch Hazel		High	5 - 10 feet	Tall Shrub			
Cherry (spp.)		Medium	5 - 10 feet	Seeding			
75	4199 - Other Mixed Upland Deciduous	Poletimber Well	35.2	35	51-80	N/A	Northern hardwood species seem more common on stand margins and stand center. Ironwood occasional throughout but when coinciding with hardwood species it tends to be rather dense.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Oak		3	Pole	6			
Quaking Aspen		5	Pole	6			
Ironwood		15	Sapling	2			
Paper Birch		22	Pole	5			
Bigtooth Aspen		30	Pole	6	35		
Sugar Maple		25	Sapling	4	35		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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76 4136 - Aspen, Mixed Conifer Sapling Medium 19.6 4 Immature N/A Despite the browse stand is growing in well. There are a few denser pine patches in the center where aspen stocking is lower.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	55	Sapling	1	4	Blackberry/Raspberry	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	20	Sapling	1	4	Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine	5	Log/Pole	10					
Jack Pine	5	Sapling	1					
Balsam Fir	10	Sapling/Pole	4					
Balsam Poplar	5	Sapling	1					

77 330 - Low-Density Trees Nonstocked 41.6 0 4211 - Planted Red Pine -PUER 9/30/2022 Comments: Very successful herbicide application. Site is full of weeds. Regeneration survey shows 420 trees/a with 30 trees/a of beech. Before Application: Beech 70%, SM 25%, Cherry 5%; Post Application: 95% control for all species.
-A year 1 regeneration survey was completed on 10/05/2022 finding 411 TPA. The next step is to replant.
Unfurrowed Planted on 5/17/2022 at 578 TPA
A herbicide treatment was completed on 7/19/21.

78 330 - Low-Density Trees Nonstocked 1.9 Unspecified Managed Opening

79 330 - Low-Density Trees Nonstocked 28.4 Immature Managed Opening It's worth nothing that the size of this opening has been decreasing over time.

Sub-Canopy Species	Density	Avg. Height	Size
Little Bluestem	Low	Unspecified	Non-Wood
Black Cherry	Medium	Variable	Sapling
Mixed Grasses	Medium	Unspecified	Non-Wood
Spotted Knapweed	High	Unspecified	Non-Wood
Ironwood	Medium	10 - 20 feet	Sapling
Sugar Maple	Low	>20 feet	Sapling
Paper Birch	Low	>20 feet	Pole
Witch Hazel	Medium	5 - 10 feet	Tall Shrub

80 4130 - Aspen Poletimber Well 7.1 35 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Pole/Log	9		Witch Hazel	High	5 - 10 feet	Tall Shrub
Balsam Fir	1	Sapling/Pole	4		Cherry (spp.)	Low	5 - 10 feet	Tall Shrub
Sugar Maple	2	Sapling/Pole	3					
Red Maple	2	Pole/Sapling	5					
Red Oak	15	Sapling/Pole	4					
Bigtooth Aspen	70	Pole/Sapling	7	35				
Quaking Aspen	5	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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81 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 48.6 96 81-110 N/A Ash and beech have mostly died out, leaving some natural canopy gaps. Beech seems like the most significant species in the regeneration layer

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	25	XLog/Log	20	96	Beech	High	5 - 10 feet	Sapling
Sugar Maple	15	Pole/Log	9					
Paper Birch	5	Pole/Log	8					
Basswood	15	Log	12					
Beech	10	Log/XLog	14					
Bigtooth Aspen	5	Pole	7					
Red Oak	20	Log/XLog	16	96				
Ironwood	5	Pole/Sapling	5					

82 4130 - Aspen Sapling Well 14.2 4 Immature N/A Stand is growing in fairly well despite evident browse.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	8	Pole	7	
Jack Pine	2	Log/XLog	15	
Quaking Aspen	80	Sapling	1	4
Bigtooth Aspen	10	Sapling	1	4

83 4131 - Aspen, Oak Poletimber Well 22.5 47 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	6		Leatherwood	Low	< 5 feet	Tall Shrub
Beech	2	Log/Pole	10		Ironwood	High	Variable	Sapling
Bigtooth Aspen	23	Pole	8	47				
Red Oak	20	Pole/Sapling	7	47				
Sugar Maple	5	Pole/Sapling	5					
White Pine	5	Pole/Log	8					
Ironwood	10	Sapling	3					
Quaking Aspen	30	Pole	6	47				

84 42200 - Natural White Pine Poletimber Well 5.2 54 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Pole	6		White Pine	Medium	>20 feet	Sapling
White Pine	80	Pole/Log	8	54				
Balsam Fir	5	Pole	6					
Red Pine	10	Pole/Log	8					

85 310 - Herbaceous Openland Nonstocked 1.7 Unspecified Managed Opening

Sub-Canopy Species	Density	Avg. Height	Size
Spotted Knapweed	High	Unspecified	Non-Wood
Mixed Grasses	Low	Unspecified	Non-Wood



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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86	3102 - Grass	Nonstocked	1.3		Unspecified	No	
		Sub-Canopy Species		Density	Avg. Height	Size	
		Mixed Grasses		Medium	Unspecified	Non-Wood	
		Spotted Knapweed		High	Unspecified	Non-Wood	

87	4199 - Other Mixed Upland Deciduous	Poletimber Well	5.9	47	81-110	N/A	
		Sub-Canopy Species		Density	Avg. Height	Size	
		Ironwood		Low	10 - 20 feet	Sapling	

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	25	Log/Pole	10	
Bigtooth Aspen	7	Log/Pole	10	
Sugar Maple	45	Pole/Sapling	5	47
Ironwood	15	Sapling	2	
Quaking Aspen	8	Pole	8	

88	4319 - Mixed Upland Forest	Poletimber Well	17.4	56	81-110	N/A	
		Sub-Canopy Species		Density	Avg. Height	Size	
		Balsam Fir		High	10 - 20 feet	Sapling	
		Tag Alder		Medium	10 - 20 feet	Tall Shrub	

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	5	Pole/Sapling	6	
Hemlock	2	XLog	18	
Quaking Aspen	40	Pole	7	56
Balsam Fir	40	Pole	6	50
Paper Birch	5	Pole/Sapling	5	
Black Spruce	5	Pole	7	
Red Maple	3	Pole	5	

92	122 - Road/Parking Lot	Nonstocked	10.5			No	County Road 622. Gravel and native surface.
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93	3102 - Grass	Nonstocked	2.0		Immature	Managed Opening	
		Sub-Canopy Species		Density	Avg. Height	Size	
		Spotted Knapweed		High	Unspecified	Non-Wood	
		Mixed Grasses		Medium	Unspecified	Non-Wood	

94	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	29.6	110	111-140	N/A	Too wet. Dense fir saplings getting into the canopy.
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	45	Pole/Log	8	110
Tamarack	20	Pole	8	110
Paper Birch	5	Pole	6	
Black Spruce	5	Pole	8	
Balsam Fir	25	Sapling/Pole	3	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling
Alder	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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96 4130 - Aspen Sapling Well 10.2 4 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Sapling	1		Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
White Pine	5	Sapling	2					
Balsam Fir	5	Sapling	1					
Quaking Aspen	85	Sapling	1	4				

97 4130 - Aspen Sapling Medium 4.4 4 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	5	Sapling	1		Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
Black Cherry	5	Sapling	1					
Quaking Aspen	90	Sapling	1	4				

98 4119 - Mixed Northern Hardwoods Sawtimber Well 49.3 95 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	15	Log/XLog	14		Beech	High	5 - 10 feet	Sapling
Hemlock	5	Log	14					
Sugar Maple	30	Pole/Log	9	95				
Basswood	15	Log	13	78				
Paper Birch	5	Log/Pole	10	71				
Bigtooth Aspen	10	Log/Pole	10	50				
Quaking Aspen	5	Pole	8					
Red Oak	15	Log	15	104				

The stand looks species thinned about 50 years ago according to the aspen age. It seems oak is most common in the north center and beech increases to the southeast.

99 310 - Herbaceous Openland Nonstocked 1.5 Unspecified

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	5 - 10 feet	Sapling
Spotted Knapweed	High	Unspecified	Non-Wood
Quaking Aspen	Low	5 - 10 feet	Sapling
Balsam Fir	Low	Variable	Sapling
Mixed Grasses	Medium	Unspecified	Non-Wood



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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100 4199 - Other Mixed Upland Deciduous Poletimber Well 28.1 60 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	5	XLog	18	
Paper Birch	2	Pole	6	
Bigtooth Aspen	10	Pole/Log	9	
White Pine	5	Pole	7	
Red Oak	50	Pole	8	60
Sugar Maple	15	Pole	6	
Ironwood	5	Sapling	3	
Quaking Aspen	5	Pole	7	
Red Maple	3	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	High	>20 feet	Sapling

2005 FTP to underplant young hardwood stand with white pine. Was it carried out? This stand corresponds to a 85 acre clear cut using D-7 dozer for 72 acres and chainsaws for 13 acres. Stand was premerchanted at the time. "Clear cut the Aspen, Red Maple, White Birch, and Red Oak, Basswood that are two inches and over in diameter at stump. Leave the oak within 50' either side of Camp 30 Rd. scenic drive. Elk herd staying in area." Started 12/29/1975, complete 1/14/1976. Perhaps all oak were left in the treatment area? Indications are this oak is older than 1976. I saw a cut date on a map of 1967 for this area.

101 3102 - Grass Nonstocked 2.8 Unspecified Managed Opening

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	High	Unspecified	Non-Wood
Spotted Knapweed	High	Unspecified	Non-Wood

102 310 - Herbaceous Openland Nonstocked 1.0 Unspecified

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Sedges/Grasses	Low	Unspecified	Non-Wood
Spotted Knapweed	Full	Unspecified	Non-Wood

103 4130 - Aspen Poletimber Well 6.4 44 81-110 N/A Leatherwood in the east

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Pole	8	
Red Oak	15	Log/Pole	10	
Ironwood	3	Pole	5	
Sugar Maple	3	Log/Pole	10	
Balsam Fir	2	Pole	8	
Paper Birch	2	Pole	6	
Bigtooth Aspen	58	Pole	8	44
White Pine	5	Pole/Log	9	
Quaking Aspen	10	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	>20 feet	Sapling
Beech	Low	< 5 feet	Sapling
Leatherwood	Low	< 5 feet	Tall Shrub
White Pine	Low	10 - 20 feet	Sapling
Balsam Fir	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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104 4319 - Mixed Upland Forest Poletimber Well 39.9 46 81-110 N/A Sizable white pine and red pine near or at legacy character in center.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	6		Balsam Fir	High	>20 feet	Sapling
Quaking Aspen	35	Pole/Log	9	46	White Pine	Low	10 - 20 feet	Sapling
White Pine	20	Pole	8	66				
White Spruce	5	Log	15					
Balsam Fir	20	Pole	7					
Red Pine	10	Log/Pole	10					
White Pine	5	XLog	28					

105 4312 - Hemlock, Mixed Deciduous Sawtimber Well 4.7 104 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole/Log	8		Ironwood	Low	>20 feet	Sapling
Hemlock	45	XLog	19	104	Beech	High	< 5 feet	Seeding
Beech	10	Log	15		Sugar Maple	Medium	>20 feet	Sapling
Red Oak	30	Log/XLog	16					
Sugar Maple	5	Pole	6					
Red Maple	5	Log	14					

106 3102 - Grass Nonstocked 1.2

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	Medium	Unspecified	Non-Wood
White Pine	Low	Variable	Sapling
Spotted Knapweed	High	Unspecified	Non-Wood

107 4123 - Red Oak Sawtimber Well 28.3 88 81-110 N/A

cohort of oak poles about 50, same age as nearby Aspen. previous stand age about 105 is probably true for the largest oak some really nice oak

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	2	XLog	20		Red Maple	Low	10 - 20 feet	Sapling
Red Maple	3	Pole	8		Beech	Medium	5 - 10 feet	Sapling
Quaking Aspen	2	Log/Pole	10		White Pine	Medium	Variable	Sapling
Sugar Maple	10	Pole/Log	9		Ironwood	Medium	Variable	Sapling
White Pine	3	XLog	24		Striped Maple	Low	10 - 20 feet	Sapling
Red Oak	60	Log	14	88				
Bigtooth Aspen	5	Log/Pole	10					
Hemlock	5	Log	14					
Basswood	5	Pole	8					
Beech	5	Pole	7					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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108 6120 - Lowland Cedar Poletimber Well 45.4 105 111-140 N/A More tamarack in the east.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	10	Log/Pole	10		Balsam Fir	High	10 - 20 feet	Sapling
Northern White Cedar	70	Pole/Log	9	105	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	10	Pole/Log	9	90				
Paper Birch	5	Pole/Sapling	6					
Balsam Fir	5	Pole/Sapling	5					

109 3102 - Grass Nonstocked 0.7 Unspecified No

111 330 - Low-Density Trees Nonstocked 1.3 No merge into surrounding stand

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	Low	Unspecified	Non-Wood
Balsam Fir	Medium	>20 feet	Sapling
Red Pine	Trace	>20 feet	Sapling
White Pine	Low	Variable	Sapling
Bracken Fern	Full	Unspecified	Non-Wood

112 3102 - Grass Nonstocked 3.0 No

Sub-Canopy Species	Density	Avg. Height	Size
Spotted Knapweed	High	Unspecified	Non-Wood
Mixed Grasses	Medium	Unspecified	Non-Wood

114 4319 - Mixed Upland Forest Poletimber Well 131.9 52 81-110 N/A Wet brush pockets increase in frequency in the West. There are two fairly significant drainages running SW to NE. Numerous hemlock around drainage in north. ALSO SEE site conditions comments.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	1	Pole	8		Alder	Low	5 - 10 feet	Tall Shrub
Hemlock	4	Log	12		Balsam Fir	High	>20 feet	Sapling
Balsam Poplar	2	Pole	7					
White Pine	4	Log	14					
Tamarack	2	Pole	7					
White Spruce	1	Log	16					
Red Maple	4	Log/Pole	11					
Red Pine	1	XLog	20					
Balsam Fir	32	Pole/Sapling	5					
Northern White Cedar	2	Log	14					
Quaking Aspen	46	Pole/Log	9	52				
Black/Red (Hybrid) Oak	1	Log	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
115	429 - Mixed Upland Conifers	Sawtimber Well	4.9	52	111-140	N/A	ALSO SEE site conditions comments																																																												
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117	42290 - Natural Mixed Pine	Poletimber Medium	5.4	48	51-80	N/A	R7 in 2005 extended northeastward along the trail into current stands 117 and 116.																																																												
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122	3104 - Degraded	Nonstocked	1.0			New stand added.																																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
124	310 - Herbaceous Openland	Nonstocked	0.8	0	Unspecified						
								Sub-Canopy Species	Density	Avg. Height	Size
								Mixed Grasses	High	Unspecified	Non-Wood
								Spotted Knapweed	High	Unspecified	Non-Wood
125	310 - Herbaceous Openland	Nonstocked	1.2		Immature	Managed Opening					
126	3102 - Grass	Nonstocked	1.9		Immature	Managed Opening					
								Sub-Canopy Species	Density	Avg. Height	Size
								Spotted Knapweed	High	Unspecified	Non-Wood
								Witch Hazel	Trace	5 - 10 feet	Tall Shrub
								Mixed Grasses	Full	Unspecified	Non-Wood
Quaking Aspen	Low	< 5 feet	Seeding								
127	3102 - Grass	Nonstocked	1.4		Immature	Managed Opening					
								Sub-Canopy Species	Density	Avg. Height	Size
								Mixed Grasses	High	Unspecified	Non-Wood
								Spotted Knapweed	Medium	Unspecified	Non-Wood
128	3102 - Grass	Nonstocked	1.3								
								Sub-Canopy Species	Density	Avg. Height	Size
								Mixed Grasses	High	Unspecified	Non-Wood
								Spotted Knapweed	Medium	Unspecified	Non-Wood
129	310 - Herbaceous Openland	Nonstocked	1.3		Unspecified						
130	3104 - Degraded	Nonstocked	1.1		Unspecified	Managed Opening					
								Sub-Canopy Species	Density	Avg. Height	Size
								Mixed Grasses	Medium	Unspecified	Non-Wood
								Spotted Knapweed	High	Unspecified	Non-Wood
131	3102 - Grass	Nonstocked	0.6		Immature	Managed Opening					
								Sub-Canopy Species	Density	Avg. Height	Size
								Balsam Fir	Low	Variable	Sapling
								Mixed Grasses	Medium	Unspecified	Non-Wood
								White Pine	Low	5 - 10 feet	Sapling
								Quaking Aspen	Low	5 - 10 feet	Sapling
Spotted Knapweed	Medium	Unspecified	Non-Wood								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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132 310 - Herbaceous Openland Nonstocked 1.2 Unspecified

133 310 - Herbaceous Openland Nonstocked 0.8 0 Unspecified Jordan Development Company. 231 935 4220

Sub-Canopy Species	Density	Avg. Height	Size
Spotted Knapweed	High	Unspecified	Non-Wood
Mixed Sedges/Grasses	High	Unspecified	Non-Wood

136 622 - Lowland Shrub Nonstocked 2.1 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling
Alder	High	5 - 10 feet	Tall Shrub
Paper Birch	Trace	>20 feet	Sapling

137 4199 - Other Mixed Upland Deciduous Sawtimber Well 9.0 95 81-110 N/A

Ash and beech have largely died out of canopy. Seeps are likely where hemlock are present.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Log	10	
Ironwood	5	Pole	6	
Sugar Maple	10	Log	10	95
Basswood	25	Log/XLog	17	
Beech	10	Log/XLog	16	
Red Oak	39	XLog/Log	22	95
Yellow Birch	1	Log	12	
Hemlock	5	Log/Pole	13	

Sub-Canopy Species	Density	Avg. Height	Size
Striped Maple	Low	10 - 20 feet	Sapling
Sugar Maple	Medium	>20 feet	Sapling
Beech	Medium	Variable	Sapling
Ironwood	Low	< 5 feet	Seeding