



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54113

Entry Year 2022

Acreage: 844

County Alpena

Management Area: Alpena Lake Plain

Revision Date: 2020-05-18

Stand Examiner: Dale Parris

Legal Description:

T30N R06E Sections 24 and 25

Identified Planning Goals:

All harvests have been prescribed following the direction indicated in the Alpena Lake Plains Management Area (ALPMA) Plan and Timber Analysis. In all cases the unique characteristics of the individual stand was taken into consideration when writing the prescription. The most prevalent covertypes in the ALPMA for the 2022 Year of Entry (YOE) are the aspen, cedar, lowland conifers, lowland aspen/balsam, and lowland deciduous covertypes. As such, for the purpose of balancing the age class acre distributions of these covertypes across the Management Area (MA), forest management during the 2022 YOE in the ALPMA will focus on these covertypes. Wildlife, recreation, aesthetics, adjacent stands and the larger landscape were considered in all management decisions.

Soil and topography:

The topography of Compartment 113 is flat with a few scattered pockets with softly rolling hills in the upland areas. A majority of the compartment is lowland with saturated organic soils.

Better than 70 percent of the soils in Compartment 113 are very poorly drained. These poorly drained soils are Lupton muck, Deford muck, and Dawson peat, with Lupton muck making up greater than 50 percent of the compartment's overall soil.

Higher ground soils of Compartment 113 are dominated by Rousseau fine sand (well drained). Other higher ground soils present are Ossineke fine sandy loam (moderately well drained) and Augres-Deford complex (somewhat poorly drained, very poorly drained), with the later soil complex being more of a transition soil between high and low ground.

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

The land directly adjacent to Compartment 113 is a combination of private recreational properties and state-owned land. The land to the north and west of Compartment 113 is state land. The land to the south and east of Compartment 113 is large parcel privately owned recreational property. There are a few residential homes along Graham Road and Fitzpatrick Road between the main body of the compartment and the isolated 40 acres to the south.

A forest road runs along the south western edge of Compartment 113 that connects Graham Road to the south to Wikaryasz Road to the north. This forest road doubles as Snowmobile Trail LP464. From December 31 through March 30 the Graham-Wikaryasz Road connector trail is closed to vehicle traffic, with the exception of logging trucks.

Unique Natural Features:

Compartment 113 has some naturally regenerated white pine stands at the south end and pockets of natural red pine in the northeast portion of the stand.

Archeological, Historical, and Cultural Features:

The State Historic Preservation Office (SHPO) did not have any areas of concern within Compartment 113.

Special Management Designations or Considerations:

The Michigan Natural Features Inventory (MNFI) at the Michigan State University Extension website turned up 3 cases of state special concern species that might be present in Compartment 113. They are the Blanding's Turtle (*Emydoidea blandingii*), Butler's garter snake (*Thamnophis butleri*), and male fern (*Dryopteris filix-mas*). All forest management will account for the possible presence of these state special concerns species as well as the positive and negative effects that could result from management activities. Where and when deemed necessary, rare species surveys will be preformed prior to the implementation of forest disturbing activities. The results of these surveys will be used for making better informed management decisions in order to best protect these special concerns species.

The Natural Heritage Database had no record of Special Conservation Area (SCA), Ecological Reference Area (ERA), or

High Conservation Value Area occurrences in Compartment 113.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

The southern part of this compartment is part of a multiple compartment, large scale block of public land providing contiguous wildlife pathways that are necessary for many of our large game animals such as black bear. Habitat components of cedar and wetland complexes as well as aspen provide food and cover for multiple species at a variety of age classes. We are working to maintain winter cover areas as well as keep a good age rotation of aspen in this compartment with consideration of adjacent compartments. Species which benefit from our management include white-tailed deer, black bear, ruffed grouse, woodcock, and many other game and non-game species.

Mineral Resource and Development Concerns and/or Restrictions

T32N-R6E, Sections 24-25, Alpena County

No active sand/gravel operations are within six miles of the compartment. Much of the compartment is covered by wetlands, which would inhibit sand & gravel production. There has been sparse oil & gas exploration in this area and no history of production within six miles. There is currently no known oil & gas potential in this area, and there is no current mineral leasing activity. No known metallic mineral potential exists in this part of the state.

Vehicle Access:

Compartment 113 is accessible from Graham Road and Fitzpatrick Road. There are no forest roads that are open to the public that vehicles or ORV's can use to drive into the inner portions of the Compartment 113.

Survey Needs:

For the purpose of conducting timber sales, there may be a need for property line surveys at the south end of Compartment 113. Further investigation will be needed to determine the extent to which these surveys are required.

Recreational Facilities and Opportunities:

The snowmobile network has one snowmobile trail that parallel's the southwest edge of Compartment 113. Compartment 113 offers good hunting throughout, but access to the inner areas of the compartment is limited to foot traffic as noted in the Vehicle Access section above. Deer, turkey, grouse, and black bear hunting opportunities are available within Compartment 113 in season with a valid license.

Fire Protection:

In the case of a wildland fire, response to Compartment 113 will be from the Alpena DNR office as well as the Long Rapids Township Fire Department.

Additional Compartment Information:

Compartment 113 has large lowland areas dominated by tamarack and northern white cedar. Higher ground can be found in the northeastern and southern areas of the compartment. A foot trail extends the width of the compartment along its southern edge. This trail is at times, temporarily open for timber harvest, but is otherwise closed to all vehicle and ORV traffic.

The following reports from the Inventory are attached:

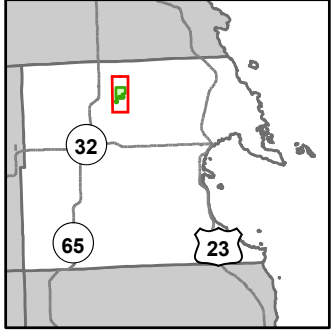
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

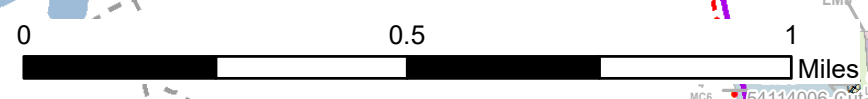
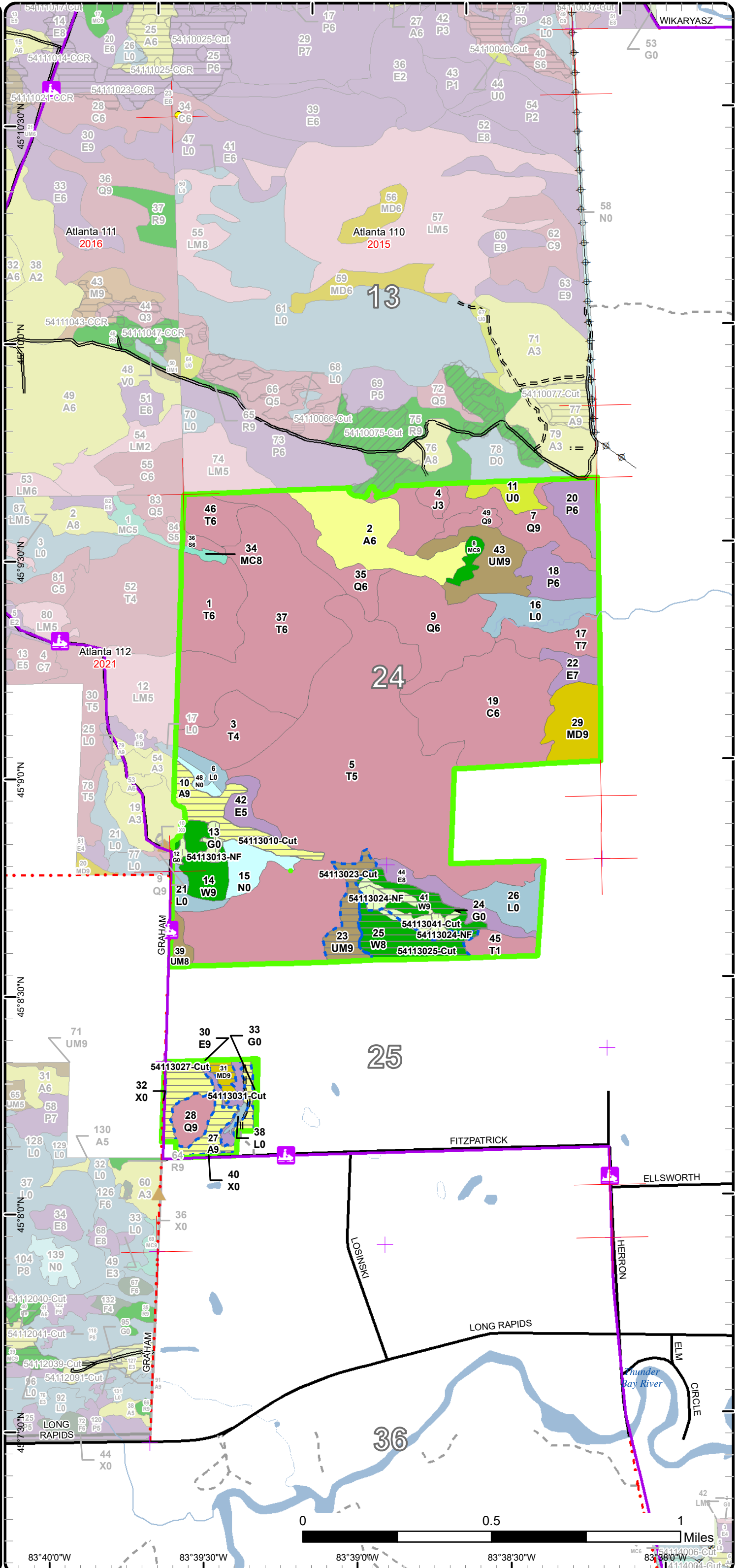
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 113
 T32N, R06E, Sec. 24, 25
 County: Alpena
 Unit: Atlanta
 Mgmt Area: Alpena Lake Plain
 YOE: 2022
 Acres: 844 GIS Calculated
 Examiner: Dale Parris
 Map Revised: 10/22/2020
 Map Phase: Post-Review



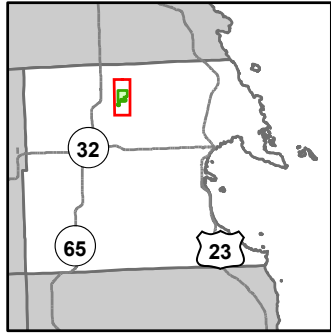
- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- == DNR - Secondary Forest Road
- == DNR - Forest Access Route
- == Federal / State / County - Paved Road
- .-.- County - Gravel Road
- - - Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- ⊕ Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Opening Maintenance
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 211 - Cropland
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland



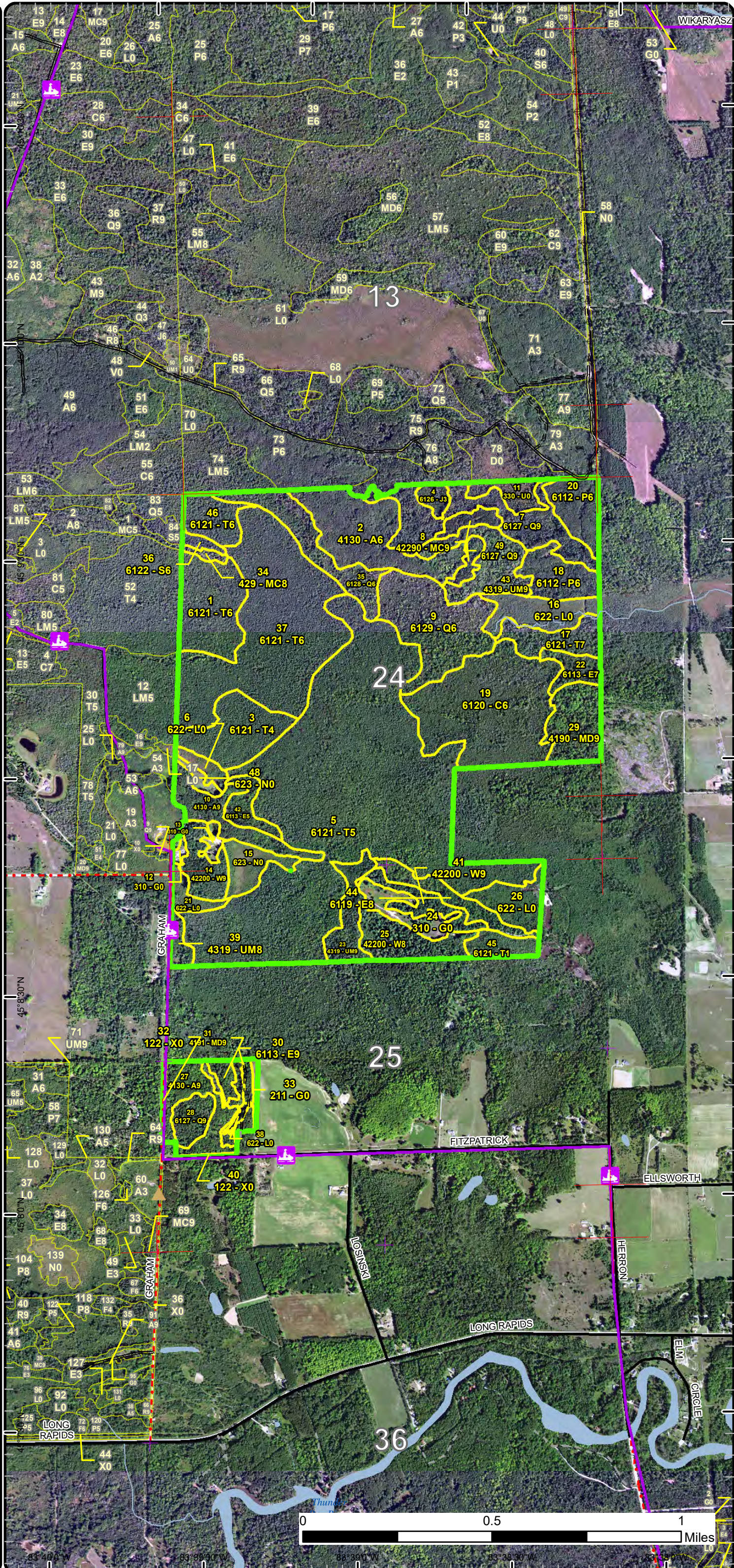
83°40'0"W 83°39'30"W 83°39'0"W 83°38'30"W 83°38'0"W

Stand Boundary Map

Compartment: 113
 T32N, R06E, Sec. 24, 25
 County: Alpena
 Unit: Atlanta
 Mgmt Area: Alpena Lake Plain
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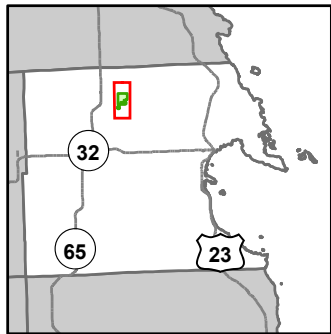


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
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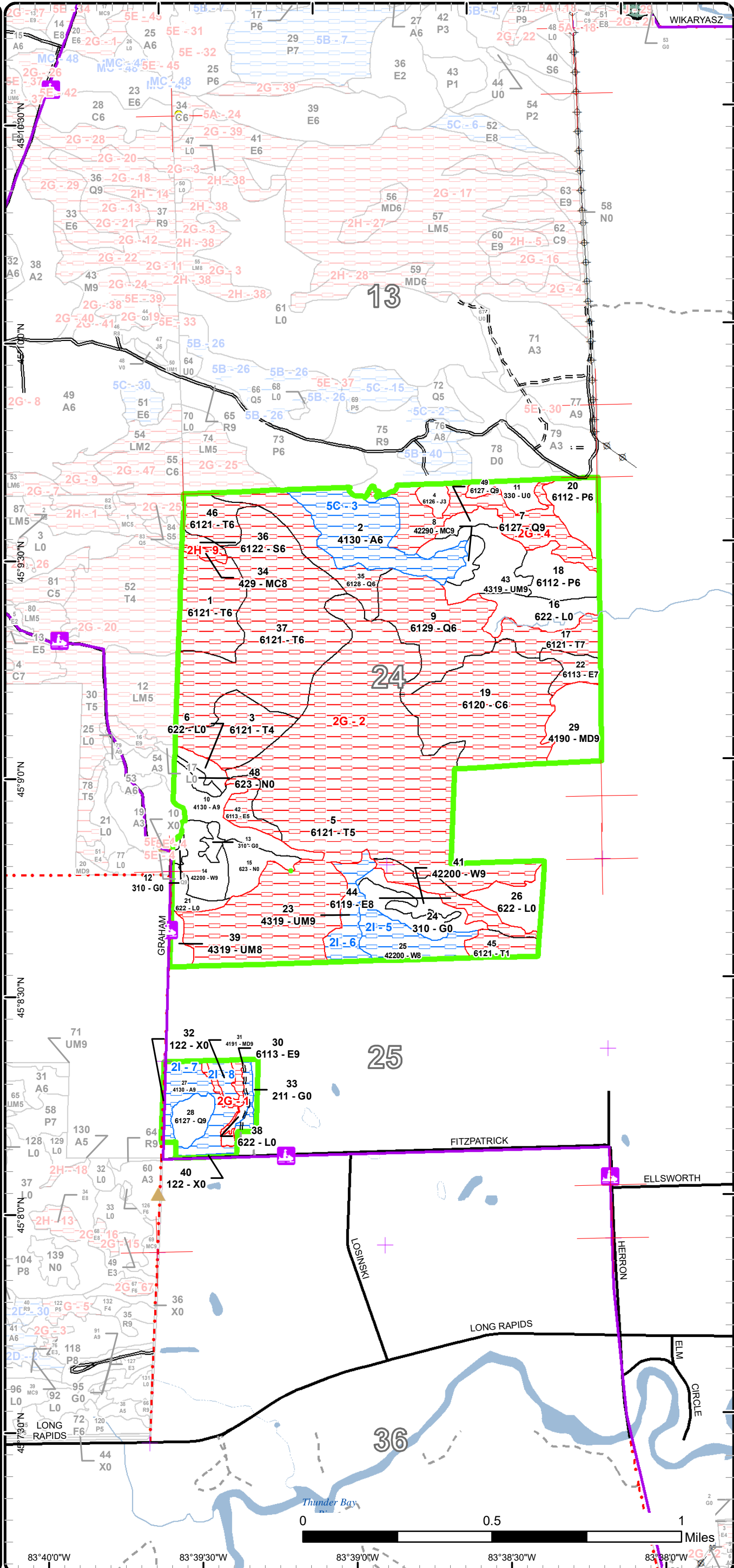


Special Conservation Areas

Compartment: 113
 T32N, R06E, Sec. 24, 25
 County: Alpena
 Unit: Atlanta
 Mgmt Area: Alpena Lake Plain
 YOE: 2022
 Acres: 844 GIS Calculated
 Examiner: Dale Parris
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- Miris Corners
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- Private - Dirt / Gravel Road
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- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- ⊕ Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- Stand Boundaries
- SCA
- Vernal Pool



Report 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit

Compartment 113 Year of Entry 2022

Dale Parris : Examiner



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	0	0	0	0	34	16	0	0	19	0	0	0	0	0	0	0	0	69
Cedar	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	0	0	60
Cropland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Herbaceous Openland	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Jack Pine	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Low-Density Trees	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Aspen/Balsam Poplar	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Lowland Conifers	0	0	0	0	0	20	0	8	0	37	35	0	0	0	0	0	0	0	100
Lowland Deciduous	0	0	0	0	0	0	11	11	0	0	7	0	0	0	0	0	0	0	29
Lowland Shrub	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
Marsh	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	3	18	0	0	0	0	0	0	0	21
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
Tamarack	0	0	0	0	0	7	22	0	0	333	0	26	0	0	0	0	0	0	386
Upland Conifers	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Upland Mixed Forest	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	4	35
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	0	0	0	12	16	9	0	0	0	0	0	0	0	0	37
Total	70	0	0	30	0	61	80	31	18	403	63	86	0	0	0	0	0	4	844



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 113

Year of Entry: 2022

Acres of Harvest

Total Compartment Acres: 844

Commercial Harvest - 30
 Harvests with Site Condition - 51
 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	34	0	0	0	0	0	0	0	0	34
Mixed Upland Deciduous	3	0	0	0	0	0	0	0	0	3
Upland Mixed Forest	12	0	0	0	0	0	0	0	0	12
White Pine	31	0	0	0	0	0	0	0	0	31
Total	80	0	0	0	0	0	0	0	0	80

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Pruning	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	80	0	0	0	0	0	0	7	0	88
Next Step	0	62	31	0	0	31	111	0	0	234
Total	80	62	31	0	0	31	111	0	7	322



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

10	54113010-Cut	15.5	4130 - Aspen	Sawtimber Well	54	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention.</p> <p><u>Specs:</u></p> <p>Focus retention at the north end of the stand and around wet areas.</p> <p>Retain all legacy red pine and white pine.</p> <p>Include grouse spec 5.2.4.4 that requires full trees be left on the ground.</p> <p>Include specs to protect the snowmobile trail and its users.</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 any medium to well stocked mix of aspen, red maple, paper birch, balsam fir, pine, and/or spruce.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
12	54113012-NF	1.2	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>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 /2021</p>											
13	54113013-NF	2.3	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>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 /2021</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
23 54113023-Cut	12.0	4319 - Mixed Upland Forest	Sawtimber Well	57	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention.</p> <p><u>Specs:</u> Do not cut any cedar. Protect the mature apple trees in the stand. Protect all legacy pine where present. Include the grouse/hare specific 5.2.4.7 spec. Include specs to protect the snowmobile trail and its users.</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 any medium to well stocked mix of aspen, pine, paper birch, red maple, balsam fir, and/or spruce.</p> <p><u>Other Comment:</u> There are 2 spots with 2 apple trees and 2 spots with 1 apple tree. There are possibly more.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
24 54113024-NF	3.9	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, or other agriculture practices</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>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 /2021</p>										
25 54113025-Cut	16.8	42200 - Natural White Pine	Sawtimber Medium	72	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention.</p> <p><u>Specs:</u> Plant to red pine. Include the chip spec, 2 inch spec, and 6 inch stump spec to facilitate planting.</p> <p><u>Next Step</u> Pesticide, Skidder - Site Prep; SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);</p> <p><u>Treatments:</u> Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable Regen:</u> Acceptable regeneration is a fully stocked red pine stand with lesser components of other tree species.</p> <p><u>Other Comment:</u> Retain the pocket of pole sized white and red pine at the west end of the stand. The harvest acres are closer to 16.1 without the non-forested area. All acres within the prescription polygon will be planted to red pine. The wildlife opening will be divided into 2 east and west wildlife openings.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</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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27	54113027-Cut	18.7	4130 - Aspen	Sawtimber Well	85	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clear-cut with retention.

Specs:

- Retain all red pine and white pine legacy trees.
- Protect all pine regeneration to promote future stand diversity.
- Include grouse spec 5.2.4.4 that requires full trees be left on the ground.
- Include specs to protect the snowmobile trail and its users.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, pine, red maple, balsam fir, red oak, paper birch, and/or spruce.

Other Comment: Place the retention around red oak to the northeast of Stand 28.

Protect the pine and oak, that is not a power line hazard, in front of the residence to the south of the stand as a visual break.

Check to see if there is a trespass to the east when checking for property corners.

Site Condition Survey Needed

Proposed Start Date: 10/1 /2021

31	54113031-Cut	3.3	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	85	81-110	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription Clear-cut.

Specs:

- Retention is not necessary due to the small size of the stand.
- The harvest acreage is likely to be substantially lower due to the saturated soils in the lowland edges.
- Include grouse spec 5.2.4.4 that requires full trees be left on the ground.
- Include specs to protect the snowmobile trail and its users.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, pine, red maple, balsam fir, paper birch, and/or spruce.

Other Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2021



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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
41 54113041-Cut	14.0	42200 - Natural White Pine	Sawtimber Well	83	141-170	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention.</p> <p><u>Specs:</u> Plant to red pine. Include the chip spec, 2 inch spec, and 6 inch stump spec to facilitate planting.</p> <p><u>Next Step</u> ; Pesticide, Aerial - Site Prep; SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); <u>Treatments:</u> Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable Regen:</u> Acceptable regeneration is a fully stocked red pine stand with lesser components of other tree species.</p> <p><u>Other Comment:</u> The harvest acres are closer to 10.4 without the non-forested area. All acres within the prescription polygon will be planted to red pine. The wildlife opening will be divided into 2 east and west wildlife openings.</p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021</p>										

Total Treatment Acreage Proposed: 87.7

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 113
Year of Entry: 2022



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions				
		With Condition	Not Available		2I	5C	2G	2H
69	15	53	0	Aspen	19	34		
60	0	0	60	Cedar			60	
1	1	0	0	Cropland				
13	13	0	0	Herbaceous Openland				
4	4	0	0	Jack Pine				
7	7	0	0	Low-Density Trees				
26	26	0	0	Lowland Aspen/Balsam Poplar				
99	12	0	87	Lowland Conifers			87	
29	0	0	29	Lowland Deciduous			29	
36	36	0	0	Lowland Shrub				
2	0	0	2	Lowland Spruce/Fir			2	
12	12	0	0	Marsh				
21	18	3	0	Mixed Upland Deciduous	3			
3	3	0	0	Natural Mixed Pines				
388	0	0	388	Tamarack			388	
2	0	0	2	Upland Conifers				2
35	23	12	0	Upland Mixed Forest	12			
1	1	0	0	Urban				
37	21	16	0	White Pine	16			
844	192	84	567	Total Forested Acres	50	34	565	2
	23%	10%	67%	Relative Percent				

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 113
Year of Entry: 2022



2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	530	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	2I: Survey needed	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: A survey may be needed to put in this timber sale boundary. Further office and on the ground investigations will need to take place to verify the need.							
6	Available	2I: Survey needed	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: A survey may be needed to put in this timber sale boundary. Further office and on the ground investigations will need to take place to verify the need.							
7	Available	2I: Survey needed	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Further on the ground and in the office investigation will be needed to determine if this harvest will need a property line survey.							
8	Available	2I: Survey needed	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Further on the ground and in the office investigation will be needed to determine if this harvest will need a property line survey.							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 113
Year of Entry: 2022



9	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

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

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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
1	6121 - Tamarack	Poletimber Well	26.3	107	Unspecified	N/A	This stand is too wet to harvest.																																																				
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2	4130 - Aspen	Poletimber Well	34.3	48	51-80	N/A	All trees with a merchantable stick were harvested from this stand, and the stand to the NW in the next compartment, in 1980. All red pine and white pine were retained. A majority of this stand is borderline lowland forest. Legacy white pine were retained in the southeast portion of the stand during the last harvest.																																																				
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4	6126 - Lowland Jack Pine	Sapling Well	3.5	27	1-50	N/A																																																					
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5	6121 - Tamarack	Poletimber Medium	220.5	82	51-80	N/A	This stand is too wet to harvest. Vast areas of this stand are tamarack dominated. Pockets with higher densities of cedar and black spruce are present throughout.																																																				
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6	622 - Lowland Shrub	Nonstocked	3.8		Unspecified	No																																																					



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7	6127 - Lowland Pine	Sawtimber Well	30.8	92	81-110	N/A	There is no good access to the stand. The stand is likely to wet to harvest. Pockets of pole size timber are present, which can be seen from the aerial imagery, but overall this is one continuous lowland conifer stand. The red pine are focused on the slightly higher ground edges and ridges of the stand. This slightly higher ground is most often still lowland. Almost all of the jack pine that is present in the canopy is dead.																																																																			
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8	42290 - Natural Mixed Pine	Sawtimber Well	3.4	92	141-170	N/A	The red pine are focused to the south and the white pine are focused to the north. This stand has rolling upland hills. Access to this stand is limited.																																																																			
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9	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	36.6	87	51-80	N/A	very wet.																																																																			
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Bigtooth Aspen	30	Log/Pole	11	54																																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																																							
Red Maple	High	Variable	Sapling																																																																							
Balsam Fir	Low	Variable	Sapling																																																																							
White Pine	Trace	Variable	Sapling																																																																							
11	330 - Low-Density Trees	Nonstocked	6.6			No	This is essentially a leather leaf bog with scattered pole to sampling sized black spruce and white pine.																																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
12	310 - Herbaceous Openland	Nonstocked	1.2			No				
13	310 - Herbaceous Openland	Nonstocked	2.3			No				
14	42200 - Natural White Pine	Sawtimber Well	12.0	62	141-170	N/A	Scattered legacy type white pine and red pine are present.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		White Pine	75	Log/Pole/XLog	10	62	White Pine	Low	Variable	Sapling
		Red Pine	3	Log/XLog	16		White Spruce	Low	Variable	Sapling
		White Spruce	5	Log/XLog	14		Balsam Fir	Low	< 5 feet	Sapling
		Paper Birch	2	Pole	8		Red Maple	Low	Variable	Sapling
		Bigtooth Aspen	10	Pole	8					
		Quaking Aspen	5	Pole/Log	9					
15	623 - Emergent Wetland	Nonstocked	9.6			No				
16	622 - Lowland Shrub	Nonstocked	14.4			No				
17	6121 - Tamarack	Sawtimber Poor	12.5	85	1-50	N/A	This stand is too wet to ever harvest.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Tamarack	100	Log/Pole	10	85	Tag Alder	Full	5 - 10 feet	Tall Shrub
18	6112 - Lowland Aspen	Poletimber Well	13.8	27	51-80	N/A	This stand was harvested in 1993 as part of Timber Sale Name: Shin Slapper Sale: Timber Sale No.: 54-016-92-01. There is a nice ridge running East-West through the center of the stand.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Red Maple	15	Sapling/Pole	4		Balsam Fir	Medium	Variable	Sapling
		Quaking Aspen	70	Pole/Sapling	6	27	Tag Alder	Low	10 - 20 feet	Tall Shrub
		Balsam Poplar	10	Pole/Sapling	6					
		Balsam Fir	5	Pole/Sapling	5					
19	6120 - Lowland Cedar	Poletimber Well	60.0	101	111-140	N/A	ver wet, no logging chance.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Black Spruce	5	Pole/Sapling	7		Black Spruce	Low	< 5 feet	Sapling
		Northern White Cedar	89	Pole	6	101	Tag Alder	Medium	5 - 10 feet	Tall Shrub
		Balsam Fir	5	Pole/Sapling	5		Balsam Fir	Low	Variable	Sapling
		Balsam Poplar	1	Log	11					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
20	6112 - Lowland Aspen	Poletimber Well	12.5	27	1-50	N/A	This stand was harvested in 1993 as part of Timber Sale Name: Shin Slapper Sale: Timber Sale No.: 54-016-92-01. The pine and spruce are focused around the veins that can be seen in the aerial imagery.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		7	Sapling	3		Balsam Fir		
Quaking Aspen		75	Pole/Sapling	5	27	Medium		
Balsam Poplar		9	Pole/Sapling	5		Trace		
White Pine		2	Pole/Sapling	6		Variable		
Red Pine		1	Pole/Sapling	7		Sapling		
Black Spruce		1	Sapling/Pole	4		Trace		
Balsam Fir		4	Sapling/Pole	4		Variable		
Paper Birch		1	Sapling/Pole	4		Sapling		
21	622 - Lowland Shrub	Nonstocked	4.9		Immature	No		
22	6113 - Lowland Maple	Sawtimber Poor	6.7	95	1-50	N/A	This stand is too wet to harvest, and there is no access.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		65	Log/Pole	12	95	Tag Alder		
Paper Birch		5	Pole	7		High		
Balsam Poplar		5	Pole/Log	8		5 - 10 feet		
Balsam Fir		10	Pole/Sapling	7		Tall Shrub		
Black Spruce		5	Pole	5				
Northern White Cedar		10	Pole	7				
23	4319 - Mixed Upland Forest	Sawtimber Well	12.0	57	81-110	N/A		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		20	Log/Pole	12		Red Maple		
White Spruce		10	Log	12		Low		
Balsam Fir		38	Pole/Log	8	57	Variable		
Quaking Aspen		20	Log/Pole	10		Sapling		
Paper Birch		10	Log/Pole	11		5 - 10 feet		
Black Cherry		1	Pole	8		Sapling		
Northern White Cedar		1	Log	12				
24	310 - Herbaceous Openland	Nonstocked	9.3			No	There are scattered white pine saplings along the edges.	
25	42200 - Natural White Pine	Sawtimber Medium	16.1	72	51-80	N/A	These are open grown, large crowned, limby white pine. There is a small pocket of pole sized red pine at the western edge.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
White Pine		96	Log	14	72	Red Maple		
Red Pine		2	Log/XLog	15		Medium		
Quaking Aspen		2	Log/Pole	11		Variable		
						Sapling		
						Trace		
						< 5 feet		
						Tall Shrub		
						Trace		
						Variable		
						Sapling		
						Low		
						Variable		
						Sapling		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
26	622 - Lowland Shrub	Nonstocked	11.6		Immature	No	This stand is lowland shrub for all management purposes. There are scattered paper birch, tamarack, and red maple of pole to sapling size.																																																				
27	4130 - Aspen	Sawtimber Well	18.7	85	81-110	N/A	The Red Oak in the stand are few but of high-quality and are concentrated in the area to the northeast of stand 28. All species of trees very highly in diameter depending on where you are at in the stand. A pocket of younger pole sized aspen is present in the northwest portion of the stand.																																																				
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28	6127 - Lowland Pine	Sawtimber Well	7.5	67	81-110	N/A	The forest floor is bog like and covered with sheep laurel.																																																				
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29	4190 - Mixed Upland Deciduous with Cedar	Sawtimber Well	17.8	90	111-140	N/A	The aspen fell out of the canopy and the red maple, balsam fir, and cedar remain.																																																				
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30	6113 - Lowland Maple	Sawtimber Well	4.2	58	1-50	N/A	This is seasonally flooded lowland forest. Portions of the stand were once dominated by red maple and green/black ash. Now all of the ash is dead. Pockets of cedar are present at the south end.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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31 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 3.3 85 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	25	Pole	6		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	30	Log/Pole	11	85				
Balsam Fir	30	Pole/Log/Sap	7					
Paper Birch	10	Log/Pole	10					
Bigtooth Aspen	5	Log	12					

32 122 - Road/Parking Lot Nonstocked 0.7 0 No This is Graham Road.

33 211 - Cropland Nonstocked 1.4 0 No It appears that the neighbors farmland pushes onto state land but further research will need to be done to determine this.

34 429 - Mixed Upland Conifers Sawtimber Medium 1.7 85 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Log/Pole	11		Red Maple	Low	5 - 10 feet	Sapling
Bigtooth Aspen	10	Log	12		Black Spruce	Low	Variable	Sapling
White Pine	10	XLog/Log	20		Balsam Fir	Low	Variable	Sapling
Red Pine	5	Log/Pole	12					
Northern White Cedar	15	Pole/Log	8					
Black Spruce	25	Pole/Log/Sap	8	85				
Balsam Fir	10	Pole	7					
Paper Birch	5	Log/Pole	10					

35 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 19.5 48 51-80 N/A

There is a concentration of balsam fir to the south, and red maple to the north. Northern white cedar line most of the eastern edge of the stand. This stand is a patch work of covertypes within a transition area.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	48	Pole/Sapling	6	48	Tag Alder	High	5 - 10 feet	Tall Shrub
Black Cherry	2	Pole/Sapling	5		Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	30	Log/Pole	12					

36 6122 - Black Spruce Poletimber Well 2.2 71 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	85	Pole/Log	8	71	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	5	Log	11					
Tamarack	10	Pole	7					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
37	6121 - Tamarack	Poletimber Well	87.8	85	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Sapling/Pole	4		Tag Alder	
Northern White Cedar		40	Pole	6		Michigan Holly	
Tamarack		50	Pole/Sapling	5	85		
Black Spruce		5	Pole	6			
Sub-Canopy Species		Density	Avg. Height		Size		
Tag Alder		Medium	5 - 10 feet		Tall Shrub		
Michigan Holly		High	5 - 10 feet		Tall Shrub		
38	622 - Lowland Shrub	Nonstocked	1.0	0		No	
39	4319 - Mixed Upland Forest	Sawtimber Medium	4.0	60	81-110	N/A	This stand is a mix of lowland and upland cover types.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		25	Log/Pole	11	60	Tag Alder	
Balsam Poplar		5	Log/Pole	11		Balsam Fir	
Balsam Fir		10	Pole/Log	8			
Northern White Cedar		20	Log	12			
White Pine		10	XLog/Log	18			
Tamarack		10	Log/Pole	11			
Paper Birch		5	Pole/Log	8			
Red Maple		15	Log	15			
Sub-Canopy Species		Density	Avg. Height		Size		
Tag Alder		Full	5 - 10 feet		Tall Shrub		
Balsam Fir		Medium	Variable		Sapling		
40	122 - Road/Parking Lot	Nonstocked	0.7	0		No	This is Fitzpatrick Road and its cleared right of way.
41	42200 - Natural White Pine	Sawtimber Well	9.2	83	141-170	N/A	Much of the white pine is 20 plus inches in DBH. The white pine are very limby and of poor quality due to heavy branching. There are trace amounts of white spruce and paper birch in the canopy.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		100	Log/XLog	15	83	Red Maple	
Sub-Canopy Species		Density	Avg. Height		Size		
Red Maple		Medium	Variable		Sapling		
42	6113 - Lowland Maple	Poletimber Medium	6.9	55	51-80	N/A	This stand is too wet to harvest. This stand makes for a nice transition into the tamarack to the northeast.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		80	Pole/Log	8	55	Tag Alder	
Paper Birch		10	Pole	7			
Quaking Aspen		10	Log/Pole	12			
Sub-Canopy Species		Density	Avg. Height		Size		
Tag Alder		High	5 - 10 feet		Tall Shrub		
43	4319 - Mixed Upland Forest	Sawtimber Well	18.8	50	81-110	N/A	Most of the aspen has died and has fallen out of the stand which has been taken over by the balsam fir that was in the understory. There is trace amounts of small log sized hemlock present that is generally in poor health due to what looks like porcupines feeding on the crowns. Due to time constraints the age of the stand was estimated. There is legacy red and white pine in the northwestern arm of the stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		40	Pole/Sapling	6	50	Balsam Fir	
Red Maple		25	Log/Pole	10	70		
Paper Birch		10	Pole	8			
White Pine		1	XLog/Log	20			
Red Pine		1	XLog/Log	20			
Quaking Aspen		23	Log	12			
Sub-Canopy Species		Density	Avg. Height		Size		
Balsam Fir		High	Variable		Sapling		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
44	6119 - Mixed Lowland Deciduous Forest	Sawtimber Medium	10.9	63	51-80	N/A	The majority of this stand is too wet to harvest. The east end of this stand is an upland ridge.																																									
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45	6121 - Tamarack	Sapling Poor	7.1	45	1-50	N/A	This stand is lowland shrub for all management purposes. An edge call was made on this stand based on aerial imagery and an elevated ridge top view of the stand. These comments were made using aerial imagery paired with a stand edge call.																																									
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46	6121 - Tamarack	Poletimber Well	10.9	85	1-50	N/A																																										
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48	623 - Emergent Wetland	Nonstocked	2.4		Unspecified	No	Stand swapped from Forested to Non-Forested.																																									
49	6127 - Lowland Pine	Sawtimber Well	4.4	92	141-170	N/A	There is no good access to the stand. The stand may be too wet to harvest.																																									
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