



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54131

Entry Year 2023

Acreage: 1,374

County Presque Isle

Management Area: Alpena Lake Plain

Revision Date: 2021-05-20

Stand Examiner: Dale Parris

Legal Description:

T33N R05E Sections 18, 28, 29, and 33

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 2023 Year of Entry (YOE) are the lowland deciduous, lowland aspen, upland aspen, and lowland coniferous 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 2023 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 131 is mostly flat around the North Branch of the Thunder Bay River to the southeast. The central region of the compartment being dominated by lowlands and drainages ranges from nearly flat to gently undulating. The outskirts of the central region are nearly level to gently rolling. In the upland area at the far west of the compartment, rolling hills are present.

The soil, within the flood plain immediately adjacent to the North Branch of the Thunder Bay River to the southeast and the drainages/tributaries centrally located, is the poorly drained Evert silt loam. Adjacent and to the outside of the Evert silt loam, pockets and stretches of Au Gres sand (somewhat poorly drained), Croswell loamy sand (moderately well drained), and Pinconning mucky sand (poorly drained) fill in the landscape. As the landscape moves into the western most one-quarter of the compartment, poorly drained soils transition into Cheboygan loamy sand (well drained – gently rolling). The Cheboygan loamy sand then transitions into soils dominated by Kalkaska sand (somewhat excessively drained – gently rolling to rolling) at the far west end of Compartment 131.

Another 40 acres, 1.5 miles north of the Molski Hwy - Finley Road intersection, situated off the west edge of Finley Road is part of Compartment 131. Greater than three-quarters of the 40 acres is comprised of the very poorly drained to poorly drained Lupton, Tawas, and Cathro mucks (level ground). Approximately 5 acres in the quarter-quarter's northeast corner has soils composed of the Allendale sand (somewhat poorly drained, gently rolling) and Melita loamy sand (somewhat excessively drained, nearly level to undulating).

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

Compartment 131 is surrounded by more state land to the east. The remainder of the compartment is bordered by large parcel recreational properties with some farmland to the northwest. Compartment 131 sits at the south-central edge of Presque Isle County and it is 8-10 miles southwest of Posen.

Unique Natural Features:

The North Branch of the Thunder Bay River flows from south to north through the southeastern leg of Compartment 131. A tributary system flows through the main body of the compartment from west to east. This tributary system dumps into the North Branch of the Thunder Bay River which then exits out the east side of Compartment 131.

Archeological, Historical, and Cultural Features:

The State Historic Preservation Office (SHPO) did not have areas of concern within Compartment 131.

Special Management Designations or Considerations:

The Michigan Natural Features Inventory (MNFI) at the Michigan State University Extension website had record of 1 species historically being in and near Compartment 131 that requires consideration when implementing forest management strategies. This species is the Bald eagle (*Haliaeetus leucocephalus*).

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

(SCA) or High Conservation Value Area occurrences in Compartment 131.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel pit is roughly five miles to the southwest. The compartment consists mostly of lowlands that appear to be dominated by wetlands. Sand & gravel potential in the compartment seems limited. Bedrock limestone appears too deep here to have significant economic value. There is no known potential for hydrocarbon production from proven formations, and no active State mineral leases occur in the area. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

The northeast corner of Compartment 131 is accessible from a forest road branching off the south end of Rodgers Road. The interior to the western one-third of the compartment is accessible from a forest road that heads southeast from the intersection of Molski Hwy and Finley Road. The southeastern portion of the compartment is accessible via a forest road that heads west off the west end of Balsam Hwy.

Survey Needs:

For the purpose of conducting timber sales and maintaining legal private/state land boundary posting locations, there may be a need for property line surveys within Compartment 131. Further investigation will be needed to determine the extent to which these surveys are required.

Recreational Facilities and Opportunities:

Hunting and fishing opportunities are available within Compartment 131 in season with a valid license. Wildlife viewing opportunities are also present. All regulations set forth by the Michigan Department of Natural Resources are to be adhered to by hunters and anglers.

Fire Protection:

In the case of a wildland fire, response to Compartment 131 will be covered by the Atlanta and Alpena DNR offices as well as the Posen Area Fire and Rescue personnel.

Additional Compartment Information:

The following reports from the Inventory are attached:

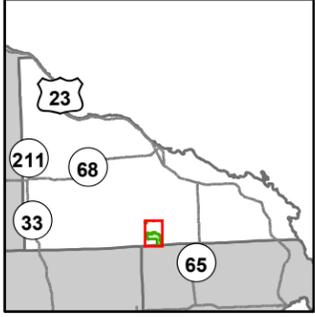
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

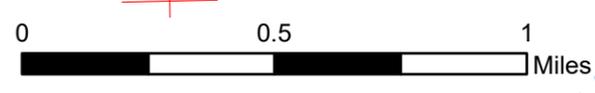
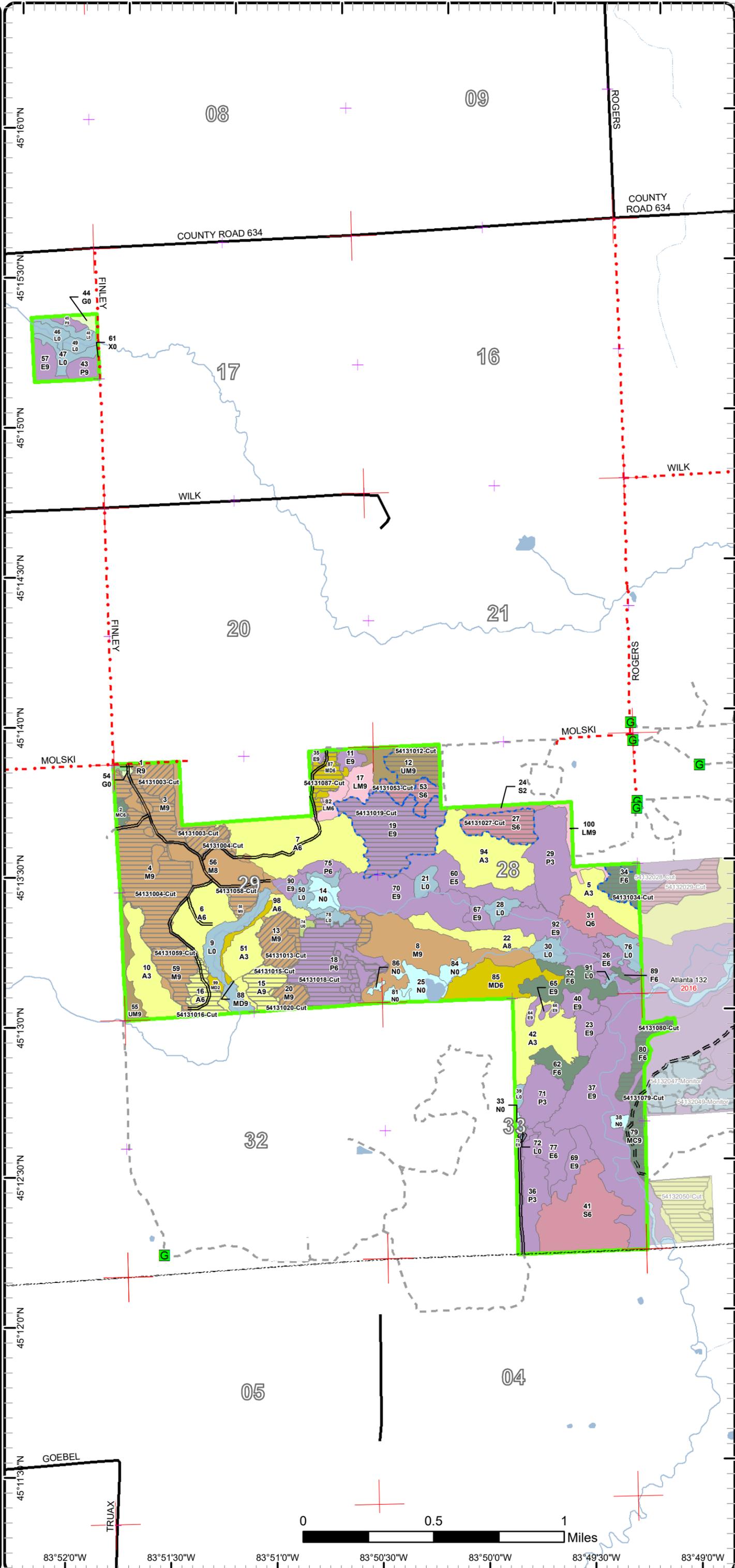
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 131
 T33N, R05E, Sec. 18, 28, 29, 33
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Alpena Lake Plain
 YOE: 2023
 Acres: 1374.5 GIS Calculated
 Examiner: Dale Parris
 Map Revised: 10/7/2021
 Map Phase: Post-Review



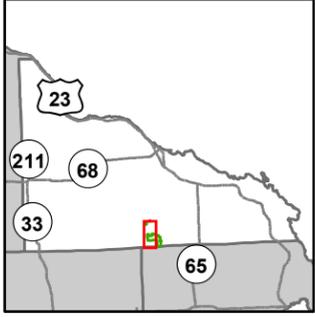
- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- G Gate
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other 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
- 622 - Lowland Shrub
- 623 - Emergent Wetland



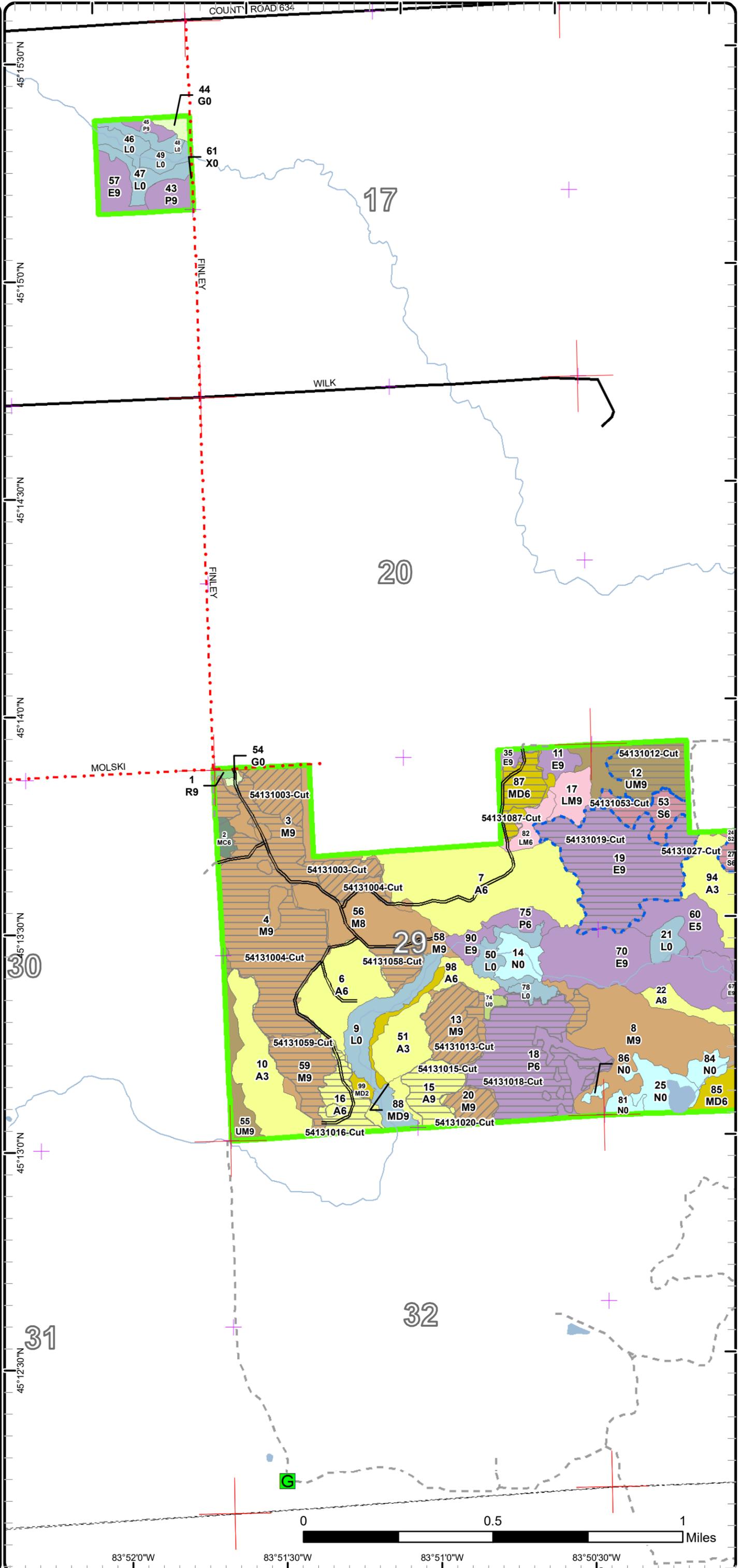
83°52'0"W 83°51'30"W 83°51'0"W 83°50'30"W 83°50'0"W 83°49'30"W 83°49'0"W

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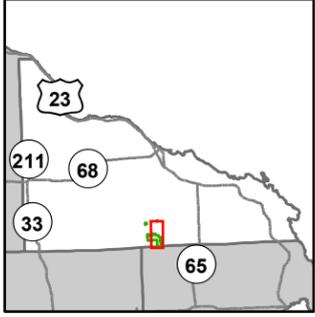


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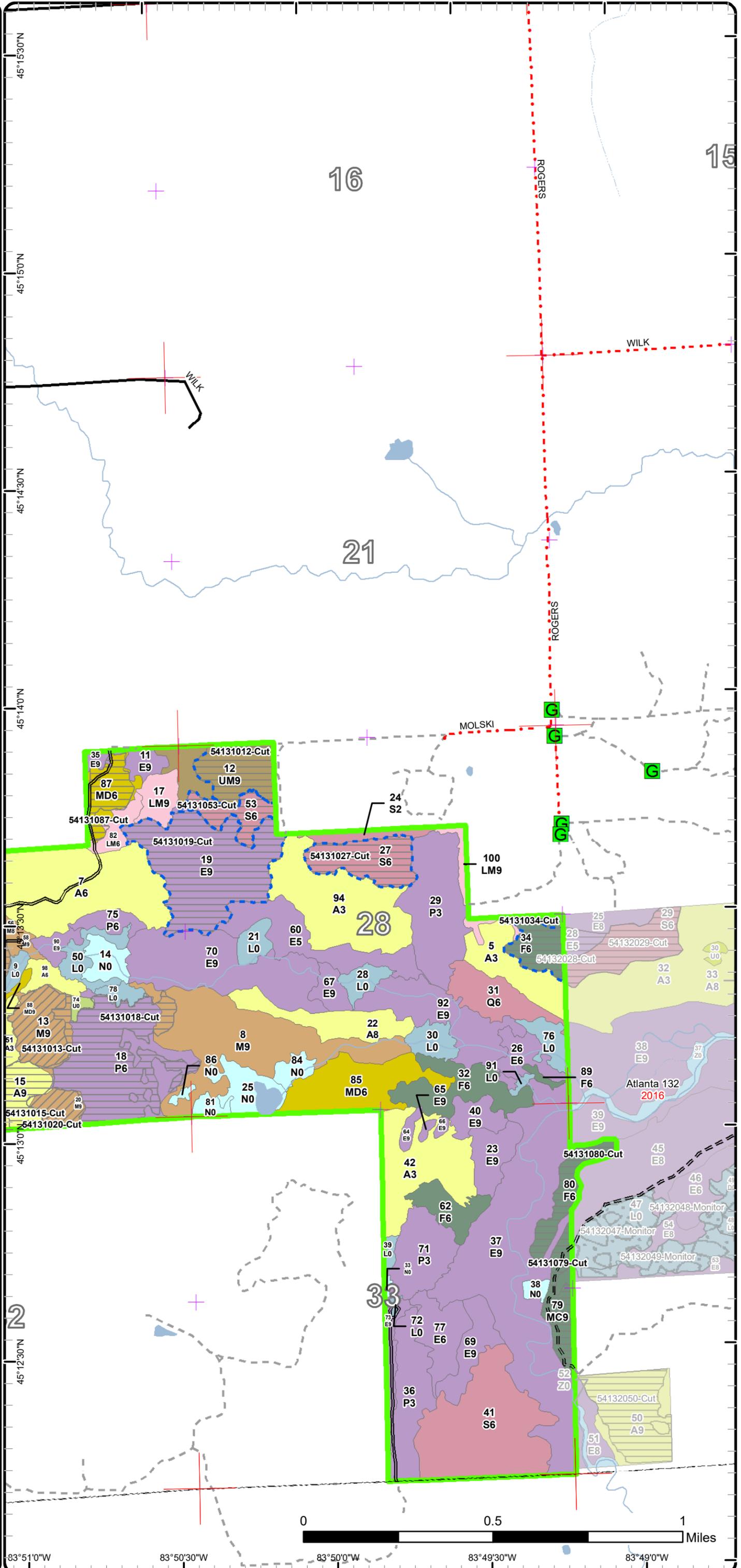


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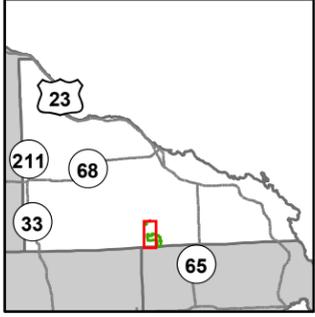


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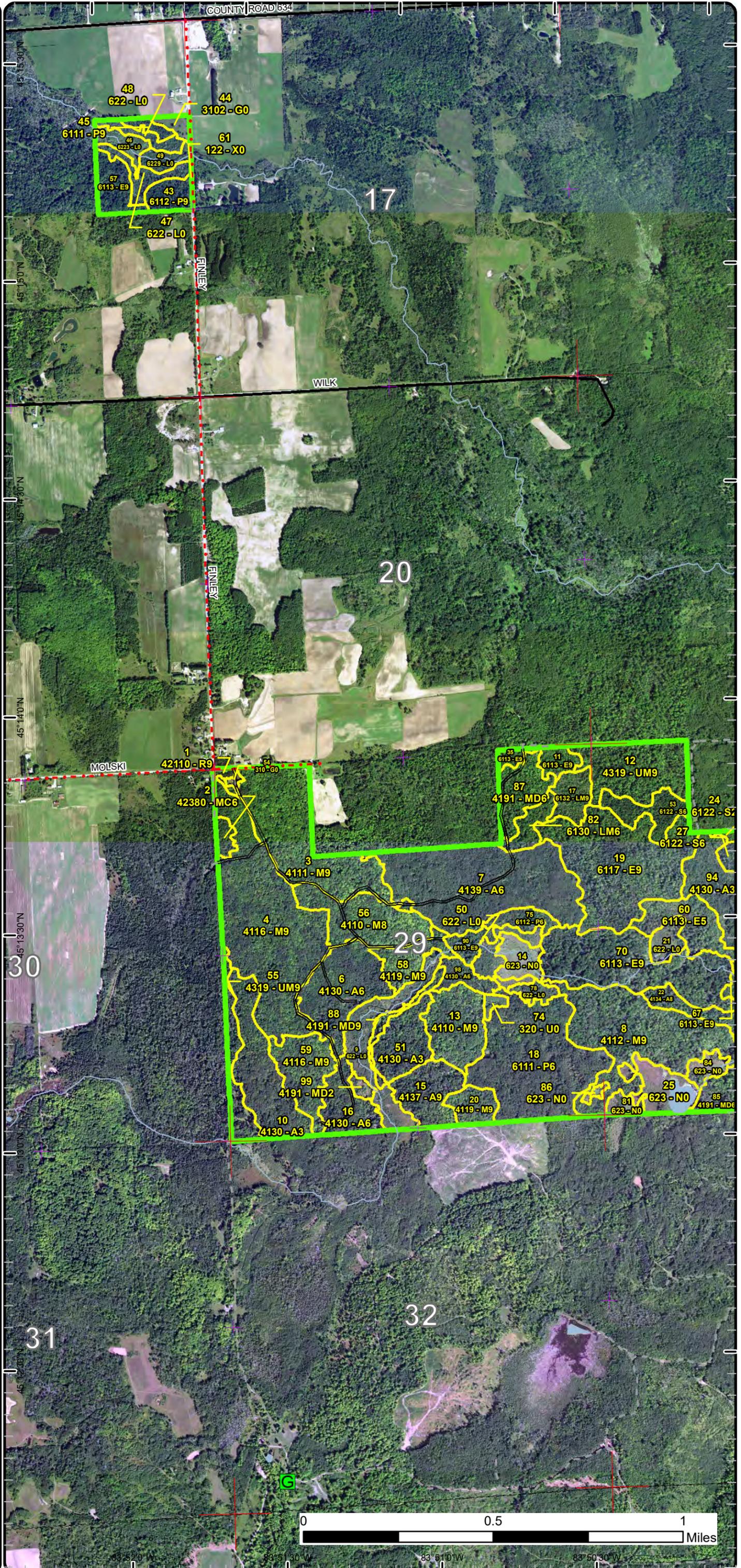


Stand Boundary Map

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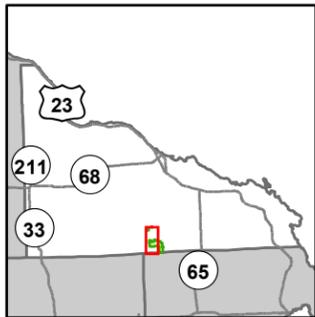
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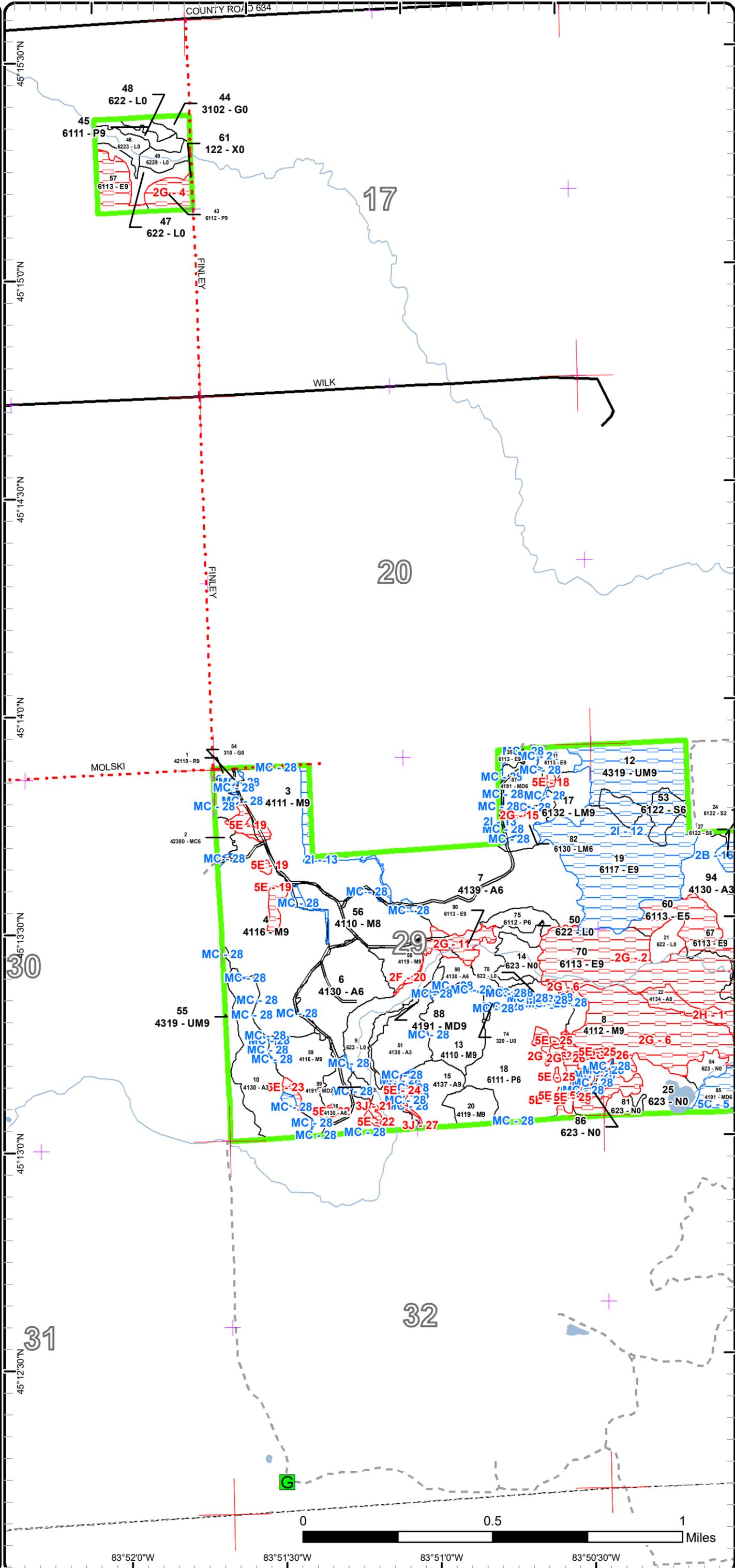
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Special Conservation Areas

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- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- 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)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries



Report 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit

Compartment 131 Year of Entry 2023

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	41	31	120	31	0	13	0	0	0	17	0	0	0	0	0	0	15	268
Herbaceous Openland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Aspen/Balsam Poplar	0	0	0	74	54	5	9	0	0	0	0	0	0	0	0	0	0	0	141
Lowland Conifers	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	15
Lowland Deciduous	0	0	0	0	15	0	0	32	90	47	144	9	0	0	0	0	0	0	337
Lowland Mixed Forest	0	0	0	0	0	0	0	6	0	6	8	0	0	0	0	0	0	0	20
Lowland Shrub	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76
Lowland Spruce/Fir	0	0	0	6	0	0	0	0	10	0	0	72	0	0	0	0	0	0	88
Marsh	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Mixed Upland Deciduous	0	0	2	0	0	0	0	12	0	27	0	0	0	0	0	0	0	4	45
Northern Hardwood	0	0	0	0	0	0	0	7	22	146	57	0	0	0	0	0	0	10	242
Red Pine	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Upland Conifers	0	0	0	0	0	0	0	0	0	14	0	0	0	3	0	0	0	0	17
Upland Mixed Forest	0	0	0	0	0	0	0	0	10	25	0	0	0	0	0	0	0	0	35
Upland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Spruce/Fir	0	0	0	0	0	10	21	25	0	0	0	0	0	0	0	0	0	0	55
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	112	41	33	200	100	15	59	82	132	265	226	81	0	3	0	0	0	29	1376



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 131

Year of Entry: 2023

Acres of Harvest

Total Compartment Acres: 1,374

Commercial Harvest - 248
 Harvests with Site Condition - 109
 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	25	0	0	0	0	0	0	0	0	25
Lowland Aspen/Balsam Poplar	49	0	0	0	0	0	0	0	0	49
Lowland Deciduous	53	0	0	0	0	0	0	0	0	53
Lowland Spruce/Fir	28	0	0	0	0	0	0	0	0	28
Mixed Upland Deciduous	10	0	0	0	0	0	0	0	0	10
Northern Hardwood	98	0	0	0	0	42	0	0	0	141
Upland Conifers	12	0	0	0	0	0	0	0	0	12
Upland Mixed Forest	18	0	0	0	0	0	0	0	0	18
Upland Spruce/Fir	23	0	0	0	0	0	0	0	0	23
Total	316	0	0	0	0	42	0	0	0	358

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	358	0	0	0	0	0	0	0	0	358
Next Step	0	0	0	0	0	0	316	0	0	316
Total	358	0	0	0	0	0	316	0	0	673



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Proposed Treatments:

28	54132028-Cut	4.0	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	84	51-80	Harvest	Clearcut with Retention	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	No
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Prescription Clear-cut.
Specs:

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

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

Other Comment: To minimize rutting, encourage the producer to use a processor for the laying down of tops for riding over.
Harvesting of trees led by a hot saw could result in major rutting.

If excessive rutting occurs, shut down the harvest until conditions are conducive for harvesting or until the producer changes their harvest methods and can prove they can continue working with minimal rutting.

Site Condition Unknown Access

Proposed Start Date: 10/1 /2022

29	54132029-Cut	19.3	6122 - Black Spruce	Poletimber Well	72	51-80	Harvest	Clearcut with Retention	6124 - Lowland Spruce-Fir	Even-Aged	No
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Prescription Clear-cut with retention.
Specs:

Harvest in dry summer or frozen winter.
Require a shortwood operation.

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

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

Other Comment: To minimize rutting, encourage the producer to use a processor for the laying down of tops for riding over.
Harvesting of trees led by a hot saw could result in major rutting.

If excessive rutting occurs, shut down the harvest until conditions are conducive for harvesting or until the producer changes their harvest methods and can prove they can continue working with minimal rutting.

Site Condition Unknown Access

Proposed Start Date: 10/1 /2022



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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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50	54132050-Cut	25.4	4139 - Aspen, Mixed Deciduous	Sawtimber Well	94	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clear-cut with retention.

Specs:

Include the 5.2.4.7 "Dead and Down" grouse/hare spec requiring trees to be pushed over. Tree type and location will depend on this stand's and adjacent stand composition/characteristics.

The sale contract will be 3-4 years due to forest roads requiring favorable weather conditions.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, red maple, balsam fir,

Other

Private access is required at the NW corner of this stand.

Comment:

This treatment falls within a half mile of a MNFI recorded eagle nest. Locate the exact location of the eagle nest and follow the recommendations of the wildlife biologist/eagle guidance documentation when setting up this harvest.

This Compartment Review approved treatment boundary has been approved by the fisheries biologist as mapped.

Site Condition Unknown Access

Proposed Start Date: 10/1 /2015

Approved Treatments:

3	54131003-Cut	19.5	4111 - S.Maple, Hard Mast Association	Sawtimber Well	85	81-110	Harvest	Crown Thinning	411 - Northern Hardwood	Even-Aged	No
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Prescription Thin to 70-80 BA. Designate all beech for harvest. Mark one large crowned beech for retention every 1-2 acres where present for wildlife.

Specs:

Next Step

Treatments:

Acceptable Regen: This is not a regeneration harvest.

Other

Comment:

Site Condition

Proposed Start Date: 9 /30/2021

4	54131004-Cut	75.6	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	85	111-140	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription Clear-cut with Retention. Protect the trace hemlock and white pine, preferably in retention pockets while keeping the retention stand representative..

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, beech, red maple, sugar maple, paper birch, and/or basswood.

Other

This stand was part of a previous sale (Molski Take 2 Mix; 54-002-14) that was never harvested. This prescription is now a clear-cut. The last sale had green marked retention trees and yellow marked cut trees. The previous marked prescription designated all aspen, beech, and ash for harvest. The previous sale said to disregard old orange paint markings on trees.

Site Condition

Proposed Start Date: 9 /30/2021



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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
12	54131012-Cut	17.6	4319 - Mixed Upland Forest	Sawtimber Well	85	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention. Protect all cedar and hemlock. Mark lowland pockets out of the harvest.</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 any medium to well stocked mix of aspen, red maple, balsam fir, and paper birch.</p> <p><u>Other Comment:</u> Harvest as much of Stand 12 as possible. Sale acres will be limited by lowland pockets and areas of dense cedar and hemlock that are marked out to the sale.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
13	54131013-Cut	15.9	4110 - Sugar Maple Association	Sawtimber Well	80	81-110	Harvest	Crown Thinning	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Thin to 70 to 80 BA. Designate all aspen and beech for harvest. Mark 1 large beech tree per acre for retention where present.</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> This is not a regeneration harvest.</p> <p><u>Other Comment:</u> The aspen are already falling out of the canopy as they age out. All Compartment 131 Compartment Review approved treatment boundaries have been approved by the fisheries biologist as mapped.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 9 /30/2021</p>											
15	54131015-Cut	13.0	4137 - Aspen, Birch	Sawtimber Well	66	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention. Protect the sparse red pine, white pine, cedar and/or hemlock where present. Include the 5.2.4.7 "Dead and Down" grouse/hare spec requiring trees to be pushed over. Tree type and location will depend on this stand's and adjacent stand composition/characteristics.</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 any medium to well stocked mix of aspen, red maple, paper birch, and/or balsam fir.</p> <p><u>Other Comment:</u> There is an island retention pocket in the NE corner of this stand, already painted in, that needs to be cut out of the treatment area. All Compartment 131 Compartment Review approved treatment boundaries have been approved by the fisheries biologist as mapped.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 9 /30/2021</p>											
16	54131016-Cut	11.6	4130 - Aspen	Poletimber Well	55	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention. Include the 5.2.4.7 "Dead and Down" grouse/hare spec requiring trees to be pushed over. Tree type and location will depend on this stand's and adjacent stand composition/characteristics.</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 any medium to well stocked mix of aspen, red maple, balsam fir, and/or paper birch.</p> <p><u>Other Comment:</u> All Compartment 131 Compartment Review approved treatment boundaries have been approved by the fisheries biologist as mapped.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 9 /30/2021</p>											



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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
18	54131018-Cut	48.5	6111 - Lowland Balsam Poplar	Poletimber Well	36	51-80	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Clear-cut with retention. Harvest in dry summer or frozen winter. Require a shortwood operation. Include the 5.2.4.7 "Dead and Down" grouse/hare spec requiring trees to be pushed over. Tree type and location will depend on this stand's and adjacent stand composition/characteristics.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Acceptable regeneration is any medium to well stocked mix of aspen, red maple, balsam fir, and/or paper birch.</p> <p><u>Other Comment:</u> The acreage may be substantially reduced when wet areas to the east are marked out of the stand. To minimize rutting, encourage the producer to use a processor for the laying down of tops for riding over. Harvesting of trees led by a hot saw could result in major rutting. If excessive rutting occurs, shut down the harvest until conditions are conducive for harvesting or until the producer changes their harvest methods and can prove they can continue working with minimal rutting. This treatment is in the vicinity of a tributary to the North Branch of the Thunder Bay River. Follow the recommendations of the fisheries biologist when setting up this harvest.</p> <p><u>Site Condition</u> Proposed Start Date: 9/30/2021</p>											
19	54131019-Cut	52.6	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	77	81-110	Harvest	Clearcut with Retention	6119 - Mixed Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Clear-cut with retention. Only harvest trees with a merchantable stick. Harvest in dry summer or frozen winter. Require a shortwood operation.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Acceptable regeneration is any medium to low stocked mix of aspen, red maple, paper birch, and/or balsam fir.</p> <p><u>Other Comment:</u> Wet pockets lacking merchantable trees are not to be operated in. To minimize rutting, encourage the producer to use a processor for the laying down of tops for riding over. Harvesting of trees led by a hot saw could result in major rutting. If excessive rutting occurs, shut down the harvest until conditions are conducive for harvesting or until the producer changes their harvest methods and can prove they can continue working with minimal rutting.</p> <p><u>Site Condition</u> Survey Needed Proposed Start Date: 10/1/2022</p>											
20	54131020-Cut	6.9	4119 - Mixed Northern Hardwoods	Sawtimber Well	65	111-140	Harvest	Crown Thinning	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription Specs:</u> Thin to 70-80 BA. Designate all aspen and beech trees for harvest. Mark to retain 1 large crowned beech tree per 1 to 2 acres for wildlife.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> This is not a regeneration harvest.</p> <p><u>Other Comment:</u> This stand was part of a previous sale (Molski Take 2 Mix; 54-002-14) that was never harvested. The last sale had green marked retention trees and yellow marked cut trees. The previous marked prescription designated all aspen, beech, and ash for harvest. The previous sale said to disregard old orange paint markings on trees.</p> <p><u>Site Condition</u> Proposed Start Date: 9/30/2021</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
27 54131027-Cut	18.0	6122 - Black Spruce	Poletimber Well	103	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention.</p> <p><u>Specs:</u> Harvest in dry summer or frozen winter. Require a shortwood operation.</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 black spruce, aspen, red maple, paper birch, or balsam fir.</p> <p><u>Other Comment:</u> To minimize rutting, encourage the producer to use a processor for the laying down of tops for riding over. Harvesting of trees led by a hot saw could result in major rutting. If excessive rutting occurs, shut down the harvest until conditions are conducive for harvesting or until the producer changes their harvest methods and can prove they can continue working with minimal rutting.</p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
34 54131034-Cut	11.0	42320 - Upland Spruce	Poletimber Well	67	51-80	Harvest	Clearcut with Retention	42340 - Upland Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention.</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 any medium to well stocked mix of black spruce, aspen, red maple, paper birch, and/or balsam fir.</p> <p><u>Other Comment:</u> To minimize rutting, encourage the producer to use a processor for the laying down of tops for riding over. Harvesting of trees led by a hot saw could result in major rutting. If excessive rutting occurs, shut down the harvest until conditions are conducive for harvesting or until the producer changes their harvest methods and can prove they can continue working with minimal rutting.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
53 54131053-Cut	10.1	6122 - Black Spruce	Poletimber Well	72	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention.</p> <p><u>Specs:</u> Harvest in dry summer or frozen winter. Require a shortwood operation.</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 black spruce, aspen, red maple, paper birch, and/or balsam fir.</p> <p><u>Other Comment:</u> To minimize rutting, encourage the producer to use a processor for the laying down of tops for riding over. Harvesting of trees led by a hot saw could result in major rutting. If excessive rutting occurs, shut down the harvest until conditions are conducive for harvesting or until the producer changes their harvest methods and can prove they can continue working with minimal rutting.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2022</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
58 54131058-Cut	6.8	4119 - Mixed Northern Hardwoods	Sawtimber Well	65	111-140	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Clear-cut. Retention is not necessary due to the small size of the stand. Acreage may be reduced due to wet areas to the east and slope to the south.</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 any medium to well stocked mix of aspen, red maple, paper birch, sugar maple, basswood, and/or beech.</p> <p><u>Other Comment:</u> It was determined that there was not enough quality hardwoods in this stand to justify a thinning. All Compartment 131 Compartment Review approved treatment boundaries have been approved by the fisheries biologist as mapped.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 9/30/2021</p>										
59 54131059-Cut	15.9	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	80	111-140	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention.</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 any medium to well stocked mix of aspen, red maple, sugar maple, basswood, paper birch, and/or beech.</p> <p><u>Other Comment:</u> It was determined that there was not enough quality hardwoods in this stand to justify a thinning.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 9/30/2021</p>										
79 54131079-Cut	12.4	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sawtimber Well	80	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention.</p> <p><u>Specs:</u></p> <p>Due not cut any pine.</p> <p>The sale contract will be 3-4 years due to forest roads requiring favorable weather conditions.</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, spruce, balsam fir, and/or aspen.</p> <p><u>Other Comment:</u> There is one large white pine that was seen, and possibly other pine, in the stand that is to be retained as a seed tree for maintaining stand diversity.</p> <p>This treatment falls within a half mile of a MNFI recorded eagle nest. Locate the exact location of the eagle nest and follow the recommendations of the wildlife biologist/eagle guidance documentation when setting up this harvest.</p> <p>All Compartment 131 Compartment Review approved treatment boundaries have been approved by the fisheries biologist as mapped.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</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
80 54131080-Cut	12.2	42330 - Upland Fir	Poletimber Well	67	51-80	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention. <u>Specs:</u> The sale contract will be 3-4 years due to forest roads requiring favorable weather conditions. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Acceptable regeneration is any medium to well stocked mix of aspen, balsam fir, and/or red maple. <u>Other Comment:</u> This treatment falls within a half mile of a MNFI recorded eagle nest. Locate the exact location of the eagle nest and follow the recommendations of the wildlife biologist/eagle guidance documentation when setting up this harvest. All Compartment 131 Compartment Review approved treatment boundaries have been approved by the fisheries biologist as mapped. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2022</p>										
87 54131087-Cut	10.2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	65	1-50	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Acceptable regeneration is any medium to well stocked mix of aspen, red maple, paper birch, and/or balsam fir. <u>Other Comment:</u> The access road in from the west is prone to rutting. Require the producer to place 3 inch limestone in road stretches needing reinforcement before any hauling occurs to prevent major forest road rutting. <u>Site Condition</u> <u>Proposed Start Date:</u> 9 /30/2021</p>										

Total Treatment 406.5
Acreage Proposed:

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 131
Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions	Dominant Site Conditions									
		With Condition				2B	2I	5C	5F	MC	2F	2G	2H	3J	5E
269	247	1		21	Aspen					1			17	1	2
3	3	0		0	Herbaceous Openland										
141	125	1		15	Lowland Aspen/Balsam Poplar					1		11			4
15	15	0		0	Lowland Conifers										
335	39	76		220	Lowland Deciduous		53	23				220			
20	14	6		0	Lowland Mixed Forest		0	6							
76	76	0		0	Lowland Shrub									0	
87	6	41		40	Lowland Spruce/Fir	18	10	13				40			
30	30	0		0	Marsh										
45	15	29		1	Mixed Upland Deciduous		1	27		1		1			0
242	166	11		65	Northern Hardwood		5			6	1	57			8
1	1	0		0	Red Pine										
16	16	0		0	Upland Conifers					0					0
36	10	25		0	Upland Mixed Forest		25			0					
2	2	0		0	Upland Shrub										
56	18	36		1	Upland Spruce/Fir		11	20	5			1			
1	1	0		0	Urban										
1,374	783	227		365	Total Forested Acres	18	106	89	5	9	1	331	17	1	14
	57%	17%		26%	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	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand is blocked from harvest by wet low ground area.							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 131
Year of Entry: 2023

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	110	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	138	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	55	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 131
Year of Entry: 2023

7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 131
Year of Entry: 2023

12	Available	2I: Survey needed	88	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: Further investigation on the ground will be needed to determine whether or not a survey is needed to set up this timber.							
13	Available	2I: Survey needed	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: parris sv							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	2B: Unknown if access through adjacent landowner(s) is possible	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Private access letters are being sent.							
17	Available	2I: Survey needed	11	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: Further investigation on the ground will be needed to determine whether or not a survey is needed to set up this timber.							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 131
Year of Entry: 2023

18	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 540272101							
19	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 540272101							
20	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -slope down to wetland, inoperable							
21	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 540272101							
23	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 540272101							
24	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 540272101							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 131
Year of Entry: 2023

25	Unavailable	5E: Long-Term Retention	4	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: 540272101							
26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -stream protection zone already excluded by past inventory forester							
28	Available	Minor Change in Acreage	9				
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	42110 - Planted Red Pine	Sawtimber Well	0.8	56	171-200	N/A	Inventory YOE 2023 BA Measurements (250, 270). This is a small red pine planting.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>90</td> <td>Log/Pole</td> <td>10</td> <td>56</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>XLog</td> <td>19</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	90	Log/Pole	10	56	White Pine	5	Log	12		Red Maple	5	XLog	19		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Medium	Variable	Sapling																								
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Beech	Medium	Variable	Sapling																																																				
2	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	2.8	121	81-110	N/A	A 11" DBH hemlock aged at 101 + 20 = 121 in March 2021. This is a pocket that is unique to the area. The northern half of the stand is dominated by balsam fir and the southern half is dominated by hemlock.																																																
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3	4111 - S.Maple, Hard Mast Association	Sawtimber Well	43.0	85	81-110	N/A	2023 YOE Inventory BA Measurements (110, 150, 170, 80, 120, 60, 90, 130, 110, 120)																																																
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4	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	67.2	85	111-140	N/A	A 14.5" DBH aspen aged at 71 years in April 2021. A 9" DBH beech aged at 80 + 5 = 85 in April 2021. After the Molski take 2 Mix sale thinning to 80 BA (cut all ash and beech) is complete, there will be some large openings where the beech were removed. The beech are starting to get heavy scales on them while some trees remain relatively untouched.																																																
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5	4130 - Aspen	Sapling Well	17.9	24	1-50	N/A	This stand is approaching pole sized timber.																																																
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6	4130 - Aspen	Poletimber Well	25.8	38	51-80	N/A	These are healthy aspen. A seep was found in the stand. About 5 acres of various inclusion pockets are located along the eastern edge of this stand.																																																		
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7	4139 - Aspen, Mixed Deciduous	Poletimber Well	59.9	27	1-50	N/A	This stand is about 50% lowland and 50% upland. A harvest on this stand was completed in April of 1994. Timber Sale Name: Molski Hwy Block; Timber Sale No.: 54-035-93-01.																																																		
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8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	57.1	94	81-110	N/A	Overall, this stand is too wet to harvest. There are small pockets of upland aspen/red maple/paper birch/balsam fir that could be harvested if not blocked off or made difficult to reach by lowland areas. The majority of this stand is red maple flood plain. Portions of the red maple flood plain to the west have a second age cohort that was 42 years of age in April of 2021.																																																		
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9	622 - Lowland Shrub	Nonstocked	19.4			No																																																			
10	4130 - Aspen	Sapling Well	26.4	4	Immature	N/A	Cut in 01/2017.																																																		
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11	6113 - Lowland Maple	Sawtimber Well	4.4	76	1-50	N/A	This is a maple flat. This stand was under six inches of water in April of 2021.																																																		
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13	4110 - Sugar Maple Association	Sawtimber Well	18.9	80	81-110	N/A	The very large Aspen pose a problem for thinning the stand. Inventory 2013 YOE BA Measurements: (120, 110, 210, 160, 170, 120) Overall, the sugar maple are of high enough quality to propose a thinning. The sugar maple are of lesser quality at the south end of the stand.																																															
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14	623 - Emergent Wetland	Nonstocked	7.2			No																																																
15	4137 - Aspen, Birch	Sawtimber Well	15.2	66	111-140	N/A																																																
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16	4130 - Aspen	Poletimber Well	13.0	55	51-80	N/A	A 2 acre pocket in the southeast corner the stand used to be an opening but has grown over and was merged with this stand. This stand is ready for harvest.																																															
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17	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	7.7	94	1-50	N/A	This stand was under six inches of water in April of 2021. This stand is too wet to harvest.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
18	6111 - Lowland Balsam Poplar	Poletimber Well	53.5	36	51-80	N/A	This stand is harvestable but the soil is soft and mucky. The balsam popular have grown exceptionally fast. The harvest age has been confirmed. All trees in the this stand with a merchantable stick where harvested in a 106 continuous acre timber sale closed in January of 1987. Timber Sale Name: Molski Creek Block; Timber Sale Number 026-83-1.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		5	Pole	8		Balsam Fir		
Quaking Aspen		45	Pole	7	36	Black Ash		
Balsam Fir		5	Pole/Sapling	5		Green Ash		
Balsam Poplar		45	Pole/Log	9				
19	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	52.9	77	81-110	N/A	There are areas in this stand that have a lot of submerchantable timber in the canopy. There is a 1.7 acre pocket dominant to black spruce in the center of the stand. There are other smaller pockets dominant to black spruce present in the stand. typical P/E-type microstands	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		34	Log	14	70	Balsam Fir		
Paper Birch		5	Log	11		Red Maple		
Quaking Aspen		34	Log	14	77			
Balsam Fir		15	Log/Pole	11				
Northern White Cedar		5	Log/Pole	12				
Hemlock		2	Log	11				
20	4119 - Mixed Northern Hardwoods	Sawtimber Well	6.9	65	111-140	N/A		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		60	Log/Pole	10	65	Sugar Maple		
Basswood		15	Log/Pole	11				
Bigtooth Aspen		15	Log	13				
Paper Birch		5	Log	11				
Red Maple		5	Log/Pole	11				
21	622 - Lowland Shrub	Nonstocked	5.1		Immature	No		
22	4134 - Aspen, Spruce/Fir	Sawtimber Medium	17.3	90	51-80	N/A	All trees in the western one-third of this stand with a merchantable stick where harvested in a 106 continuous acre timber sale closed in January of 1987. Timber Sale Name: Molski Creek Block; Timber Sale Number 026-83-1.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		35	Log	14		Balsam Fir		
Quaking Aspen		45	Log	15	90	Black Ash		
Balsam Fir		10	Pole	8		Green Ash		
Black Spruce		10	Pole	8				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
23	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	10.9	85	51-80	N/A	Based on similar stands in area, this appears to be black spruce and trembling aspen, with wetter inholdings of red maple and black ash.																																																						
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24	6122 - Black Spruce	Sapling Medium	5.6	27	Immature	N/A	This stand is a good example of what the spruce stand to the south might regenerate to if harvested. The black spruce regeneration is more dense to the east.																																																						
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25	623 - Emergent Wetland	Nonstocked	11.9			No																																																							
26	6113 - Lowland Maple	Poletimber Well	8.5	63	51-80	N/A	This is red maple floodplain. This stand was holding water throughout in April 2021. All of the ash has died out of the stand. This stand is too at the harvest.																																																						
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27	6122 - Black Spruce	Poletimber Well	18.0	103	81-110	N/A	This is a very old black spruce dominated stand that is still mostly small pole size timber. There is some log size black spruce in the eastern quarter of the stand. Winthrow is not an issue in this stand at the current time. There are some black spruce dying and falling out of the canopy in the west end of the stand. The forest floor is moss covered.																																																						
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28	622 - Lowland Shrub	Nonstocked	5.1			No	At the east edge of the stand there is a backed up wide part of the stream and some emergent wetland.																																																						
29	6112 - Lowland Aspen	Sapling Well	32.9	24	1-50	N/A	This stand is approaching pole sized timber.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
30	622 - Lowland Shrub	Nonstocked	6.6			No	this is lowland shrub with some marsh like openings.																																																	
31	6123 - Lowland Fir	Poletimber Well	15.4	50	51-80	N/A																																																		
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32	42330 - Upland Fir	Poletimber Well	19.9	54	51-80	N/A	Based on similar stands in area, this appears to be black spruce and trembling aspen, with wetter inholdings of red maple and black ash.																																																	
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33	623 - Emergent Wetland	Nonstocked	0.7		Unspecified	No																																																		
34	42320 - Upland Spruce	Poletimber Well	12.3	67	51-80	N/A	There is an upland aspen ridge to the east that would make a good landing. There is a four wheeler trail that likely comes from the private that goes through this ridge. There is an upland deciduous inclusion pocket to the east and a lowland mixed inclusion pocket to the north.																																																	
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35	6113 - Lowland Maple	Sawtimber Well	2.1	94	1-50	N/A	This stand was flooded in April of 2021. There is a cohort of very large red maple and a cohort of small log size red maple.																																																	
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36	6112 - Lowland Aspen	Sapling Well	21.7	25	1-50	N/A	This stand was harvested as part of a timber sale that was completed in October of 1996. Timber Sale Name: Otter Pathway; Timber Sale No. 54-041-92-01. Cedar were retained during the harvest.																																																	
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37	6113 - Lowland Maple	Sawtimber Well	98.0	94	81-110	N/A	This is a red maple floodplain where all the ash have died out of the canopy, and a river runs through it. This stand is too wet to harvest.																																																	
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38	623 - Emergent Wetland	Nonstocked	2.1			No																																																		
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41	6122 - Black Spruce	Poletimber Well	53.7	108	51-80	N/A	A 9" DBH black spruce aged at 98+10=108 in April 2021. This stand is too wet to harvest.																																																	
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42	4134 - Aspen, Spruce/Fir	Sapling Well	31.0	17	Immature	N/A																																																		
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43	6112 - Lowland Aspen	Sawtimber Well	6.1	55	51-80	N/A	This stand is too wet to harvest.																																																	
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44	3102 - Grass	Nonstocked	2.4			No																																																		



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45	6111 - Lowland Balsam Poplar	Sawtimber Well	2.4	55	51-80	N/A																																													
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46	6223 - Inundated Shrub Swamp	Nonstocked	4.8			No																																													
47	622 - Lowland Shrub	Nonstocked	6.4		Immature	No																																													
48	622 - Lowland Shrub	Nonstocked	4.0		Immature	No	This is low in strug with sparse trees.																																												
49	6229 - Mixed lowland shrub	Nonstocked	4.0			No																																													
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51	4130 - Aspen	Sapling Well	14.6	4	Immature	N/A	Cut 10/2017																																												
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Blackberry/Raspberry	Full	5 - 10 feet	Tall Shrub																																																
53	6122 - Black Spruce	Poletimber Well	10.1	72	51-80	N/A	This is a healthy black brew stand.																																												
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54	310 - Herbaceous Openland	Nonstocked	0.9		Immature	No																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
55	4319 - Mixed Upland Forest	Sawtimber Well	10.2	75	51-80	N/A	This is a sliver of land along the private that was not harvested. The stand data is the average of the strip. There is an old forest opening at the south end of the stand that is grown over with log sized aspen and was added to this stand.																																																	
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56	4110 - Sugar Maple Association	Sawtimber Medium	22.3	71	51-80	N/A	Cut 9/2017. Inventory 2023 BA Measurements (80, 90, 70) There is a nice scattering of high quality sugar maple trees. The regeneration is undesirable.																																																	
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57	6113 - Lowland Maple	Sawtimber Well	9.0	105	81-110	N/A	This stand is too wet to harvest.																																																	
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58	4119 - Mixed Northern Hardwoods	Sawtimber Well	9.6	65	111-140	N/A	Inventory YOE 2023 BA Measurements: (110, 110, 110, 90, 130, 170) The main body of the stand is quality hardwoods with oversized aspen. The T-arm of the stand is mixed lowland forest that is too wet to harvest.																																																	
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59	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	16.9	80	111-140	N/A	A 13" DBH sugar maple cored at an age of 77 + 3 = 80.BA Measurements 2023 Inventory (60, 180, 130, 150, 130, 110, 100)																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
60	6113 - Lowland Maple	Poletimber Medium	23.5	80	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		70	Log/Pole	12	80	Balsam Fir	Medium	Variable	Sapling
Balsam Fir		30	Pole/Log	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
61	122 - Road/Parking Lot	Nonstocked	0.6			No	Finley Road		
62	42330 - Upland Fir	Poletimber Well	10.1	41	1-50	N/A	Having previously been part of private property this stand has shooting lanes cut in it. These shooting lanes have regenerated to aspen saplings.		
Canopy Species		% Cover	Size Class	DBH	Age				
Balsam Fir		80	Pole/Sapling	6	41				
Quaking Aspen		10	Sapling	1					
Quaking Aspen		5	Log	14					
Red Maple		5	Log/Pole	11					
64	6113 - Lowland Maple	Sawtimber Well	2.1	63	51-80	N/A	The stand looks to be too wet to harvest, but has been harvested before. This stand was flooded with water in April 2021.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		100	Log/Pole	11	63	Tag Alder	Full	5 - 10 feet	Tall Shrub
						Balsam Fir	Low	Variable	Sapling
65	6113 - Lowland Maple	Sawtimber Well	0.9	63	51-80	N/A	The stand looks to be too wet to harvest, but has been harvested before. This stand was flooded with water in April 2021.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		100	Log/Pole	11	63	Tag Alder	Full	5 - 10 feet	Tall Shrub
						Balsam Fir	Low	Variable	Sapling
66	6113 - Lowland Maple	Sawtimber Well	0.9	63	51-80	N/A	The stand looks to be too wet to harvest, but has been harvested before. This stand was flooded with water in April 2021.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		100	Log/Pole	11	63	Tag Alder	Full	5 - 10 feet	Tall Shrub
						Balsam Fir	Low	Variable	Sapling
67	6113 - Lowland Maple	Sawtimber Well	5.6	67	51-80	N/A	This is red maple floodplain. In April of 2021 the stand was holding water throughout. This stand is too wet harvest. The age of the stand is based off of the ages of stands 26 and 92.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		100	Log	12	67	Tag Alder	Low	10 - 20 feet	Tall Shrub
						Black Ash	Low	Variable	Sapling
						Green Ash	Low	Variable	Sapling
						Balsam Fir	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
69	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	11.9	85	51-80	N/A	This stand is similar to the stand to the west but older.																																											
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70	6113 - Lowland Maple	Sawtimber Well	43.4	94	51-80	N/A	This stand is too wet to harvest. There are some extremely large silver maple/red maple in the west half of the stand.																																											
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71	6112 - Lowland Aspen	Sapling Well	19.2	25	1-50	N/A	This stand was harvested as part of a timber sale that was completed in October of 1996. Timber Sale Name: Otter Pathway; Timber Sale No. 54-041-92-01. Cedar were retained during the harvest.																																											
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72	622 - Lowland Shrub	Nonstocked	0.5		Unspecified	No																																												
73	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	7.0	60	51-80	N/A	This is a strip along the edge of private property there was not harvested.																																											
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74	320 - Upland Shrub	Nonstocked	1.5		Immature	No	This is an upland packet completely dominated by 20 plus foot tall tag alder.																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
75	6112 - Lowland Aspen	Poletimber Well	5.4	45	51-80	N/A	Pockets of the stand are too wet the harvest, but most of the stand is harvestable.																																							
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76	622 - Lowland Shrub	Nonstocked	6.5		Immature	No	Wet, with many drainages																																							
77	6113 - Lowland Maple	Poletimber Well	14.6	33	1-50	N/A																																								
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78	622 - Lowland Shrub	Nonstocked	3.2		Immature	No	All trees in the this stand with a merchantable stick where harvested in a 106 continuous acre timber sale closed in January of 1987. Timber Sale Name: Molski Creek Block; Timber Sale Number 026-83-1.																																							
79	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sawtimber Well	13.7	80	81-110	N/A	With the exception of an area of small pole size balsam fir and a lowland pocket of small red maple in the center of the stand this his stand is ready for a harvest. The stand turns to black spruce dominant at the north end.																																							
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80	42330 - Upland Fir	Poletimber Well	12.2	67	51-80	N/A	This balsam fir stand should be harvested. Trees are starting to die and fall out of the canopy.																																							
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81	623 - Emergent Wetland	Nonstocked	2.9			No																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
82	6130 - Fir, Aspen, Maple	Poletimber Well	6.2	63	1-50	N/A																																						
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84	623 - Emergent Wetland	Nonstocked	4.2			No	This is emergent wetland or lowland shrub.																																					
85	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	27.4	80	51-80	N/A	This is Upland ridges with areas of lowland maple.																																					
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86	623 - Emergent Wetland	Nonstocked	1.0			No																																						
87	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	12.4	65	1-50	N/A	This stand should be harvested to start over. Clear-cut with retention.																																					
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89	42330 - Upland Fir	Poletimber Well	1.4	54	51-80	N/A																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
90	6113 - Lowland Maple	Sawtimber Well	4.4	72	81-110	N/A	This is a maple flood plain that floods seasonally. This stand is too wet to harvest.																																						
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91	622 - Lowland Shrub	Nonstocked	1.0	0	Unspecified	No																																							
92	6113 - Lowland Maple	Sawtimber Well	28.1	72	51-80	N/A	This is maple floodplain. The red maple are growing very vigorously to reach 15 inches in DBH and 72 years.																																						
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94	4130 - Aspen	Sapling Well	41.9	24	1-50	N/A	Areas of this stand did not grow back to trees, but instead grew back to lowland shrub. Overall the stand regenerated well. This stand was harvested as part of Timber Sale Name: Setter's First Ride; Timber Sale No.: 54-043-93-01 that was completed on 8/11/97. Only spruce and fir with a merchantable stick were harvested. All other species were cut down to 2" in DBH.																																						
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98	4130 - Aspen	Poletimber Well	5.5	36	1-50	N/A	All trees in the this stand with a merchantable stick where harvested in a 106 continuous acre timber sale closed in January of 1987. Timber Sale Name: Molski Creek Block; Timber Sale Number 026-83-1.																																						
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99	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	1.8	14	Immature	N/A	The original stand was cut down by beaver.																																						
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100	613 - Lowland Mixed Forest	Sawtimber Well	5.7	80		N/A	This stand is boundary to private that was not harvested.																																						