



# Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54136

Entry Year 2024

Acreage: 2,028

County Presque Isle

Management Area: Cheboygan Lake Plain

**Stand Examiner:** Dale Parris

## Legal Description:

T34N R04E Sections 2, 3, 10, 11, 12, 13, 14, 15, 22, and 23

## Identified Planning Goals:

All harvests have been prescribed following the direction indicated in the Cheboygan Lake Plain Management Area (CLPMA) 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 CLPMA for the 2024 Year of Entry (YOE) are the jack pine, aspen, lowland conifer, and red pine 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 2024 YOE in the CLPMA will focus on these covertypes. Wildlife, recreation, aesthetics, adjacent stands, and the larger landscape were considered in all management decisions.

## Soil and topography:

Overall, the topography of Compartment 136 is comprised of flat areas and slightly rolling hills. The majority of the compartment transitions between upland and lowland areas frequently. The upland area soils are mostly a combination of Rubicon sand (excessively drained), Au Gres sand (somewhat poorly drained), and Graycalm sand (somewhat excessively drained). The lowland areas are mostly the poorly drained Roscommon muck and very poorly drained Tawas muck and Dawson peat.

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

Compartment 136 is surrounded by large parcel recreation properties, farmland, and some year-round residences. Compartment 136 is composed of 8 different chunks of land within close proximity of each other.

## Unique Natural Features:

Some older red pine, white pine, and jack pine in excess of 100 years old exists in areas of the compartment.

## Archeological, Historical, and Cultural Features:

The State Historic Preservation Office (SHPO) did not have any known areas of concern within Compartment 136.

## 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 or near Compartment 39 that requires consideration when implementing forest management strategies. This species is the bald eagle *Haliaeetus leucocephalus*, a state special concerns species. Where Ward Branch Road runs through the area of the Compartment 136 parcels from north to south, Ward Branch has received the designation of a Natural Beauty Road. The Little Ocqueoc River, a designated high-quality trout stream, flows through the northern most parcel of the compartment.

## Watershed and Fisheries Considerations:

The compartments extensive wetlands serve three watershed areas: Little Ocqueoc River, Trout River, and Quinn Creek.

## Wildlife Habitat Considerations:

Compartment 136 is state forest land fragmented with private. Cover types include aspen, balsam poplar, lowland brush, mixed swamp conifers, cedar, and white pine. The compartment provides habitat for featured species such as black bear, beaver, white-tailed deer, ruffed grouse, and American woodcock.

## Mineral Resource and Development Concerns and/or Restrictions

Sections 2-3, 10-15, & 22-23, T34N-R4E, Presque Isle County

The nearest active sand/gravel pit is more than five miles to the west. There appears to be some sand & gravel potential in the compartment on the uplands. In particular, there appears to be an esker that reaches into the compartment in sections 13 & 14, which should be a good source of gravel. There has been past exploration for and production from Silurian reef reservoirs within and around the compartment. One well in the compartment is still producing and is holding an oil & gas lease covering the W/2 NE/4 of Sec 14. There may still be some potential for future reef discoveries beneath the compartment and future gas storage potential. There is no known metallic mineral potential in this part of the state.

**Vehicle Access:**

The closest access to the parcels of Compartment 136 are from Ward Branch and Peltz Roads. Approximately half of the compartment requires permission to access through private lands.

**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 136. Further investigation will be needed to determine the extent to which these surveys are required.

**Recreational Facilities and Opportunities:**

Rabbit/hare, grouse, whitetail deer, turkey, and bear hunting opportunities are available within Compartment 136. Fishing opportunities are available at the Little Ocqueoc River with proper access permissions. All hunting and fishing are to take place within season with a valid license. All regulations set forth by the Michigan Department of Natural Resources are to be adhered to by hunters and those fishing. Wildlife viewing opportunities are also present.

**Fire Protection:**

In the case of wildland fire, Compartment 136 is within the response area of the Onaway DNR Taskforce and the Rogers City Fire Department.

**Additional Compartment Information:****The following reports from the Inventory are attached:**

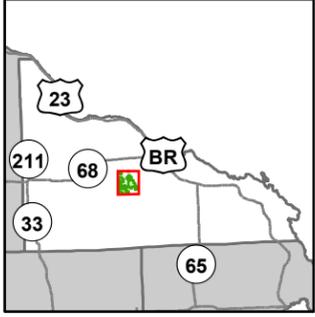
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

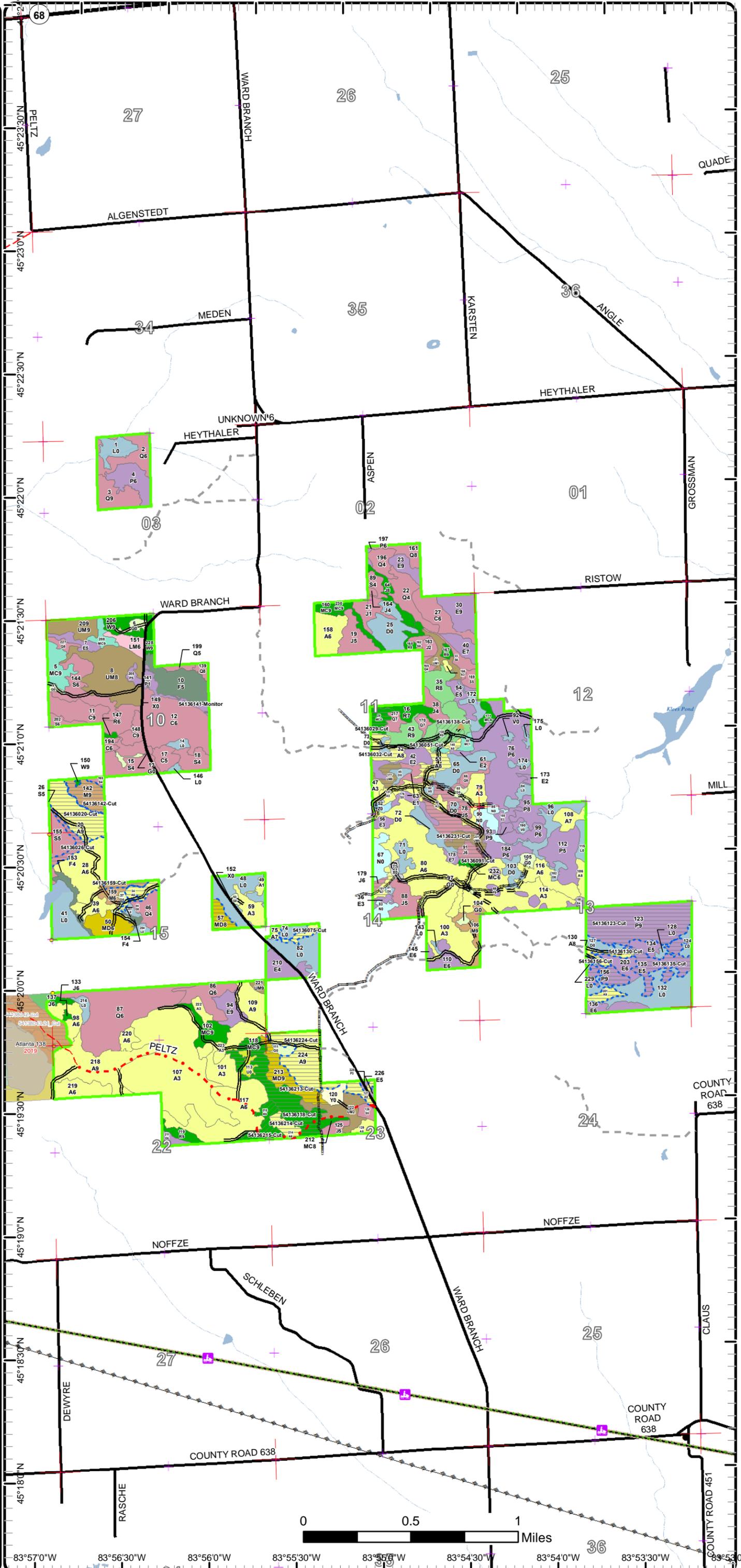
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 136  
 T34N, R04E, Sec. 2, 3, 10-15, 22, 23  
 County: Presque Isle  
 Unit: Atlanta  
 Mgmt Area: Cheboygan Lake Plain  
 YOE: 2024  
 Acres: 2027.5 GIS Calculated  
 Examiner: Dale Parris  
 Map Revised: 11/16/2022  
 Map Phase: Post-Review

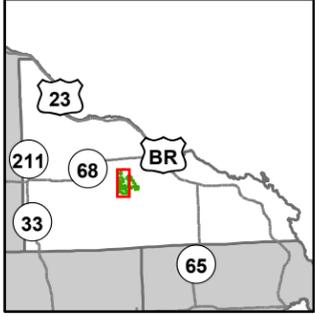


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- == DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- - - Intermittent Stream
- Lake/Pond
- Lakes and Rivers
- ▲ Berms
- Pipeline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil

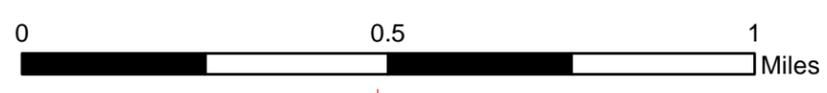
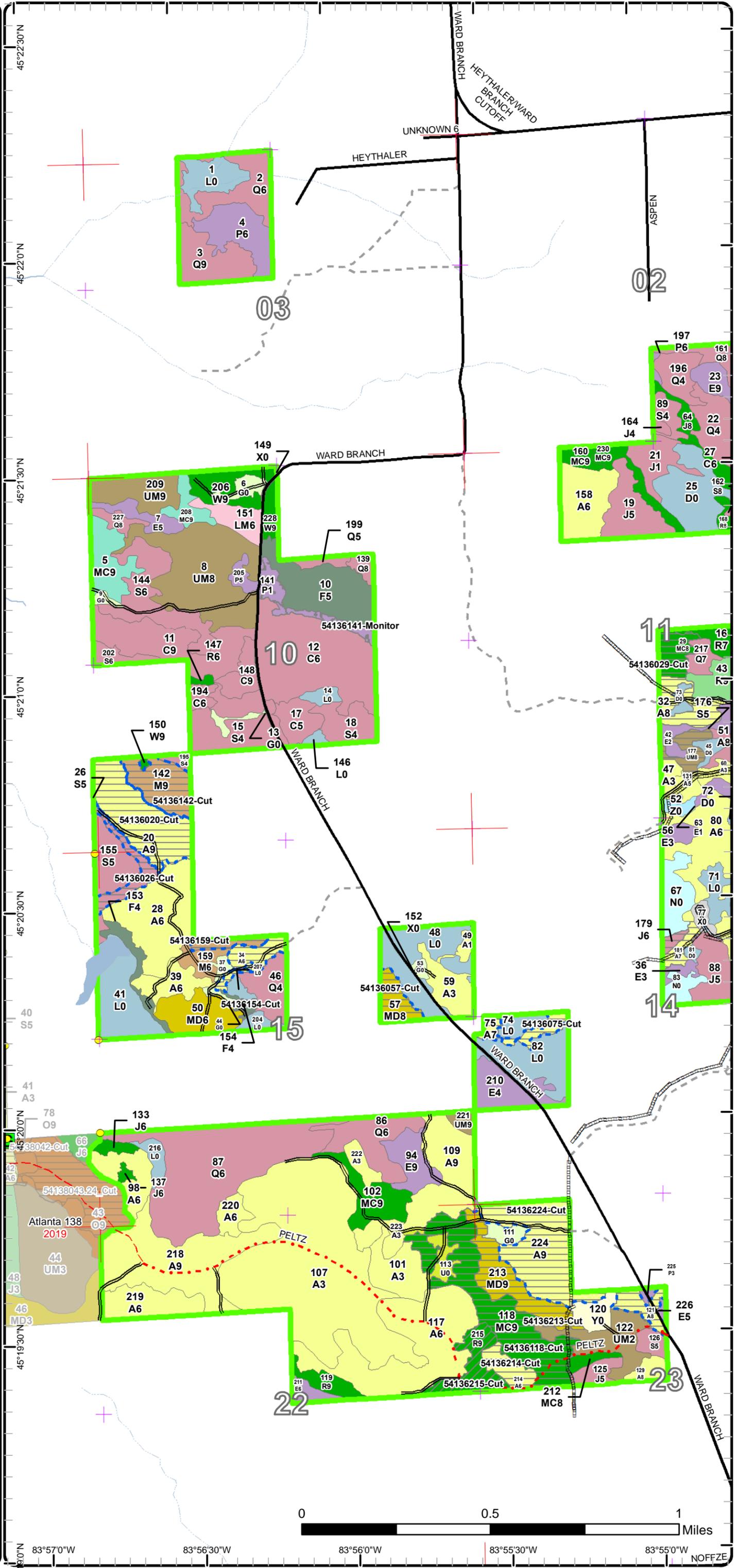


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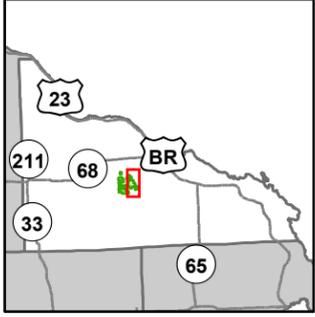
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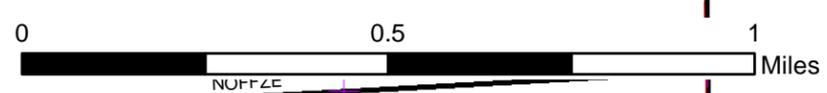
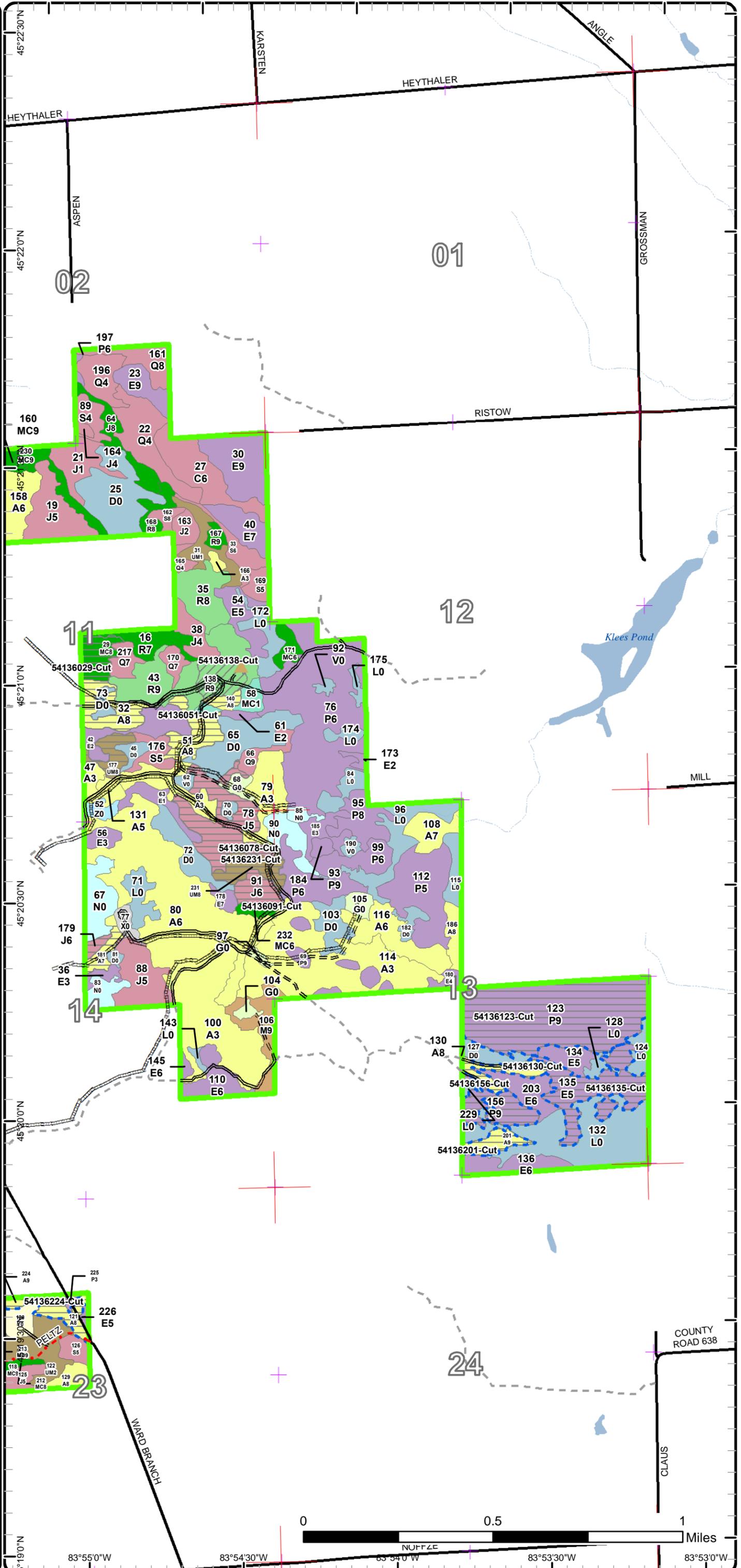
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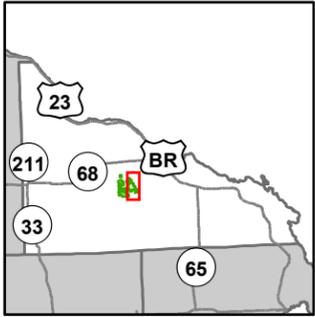


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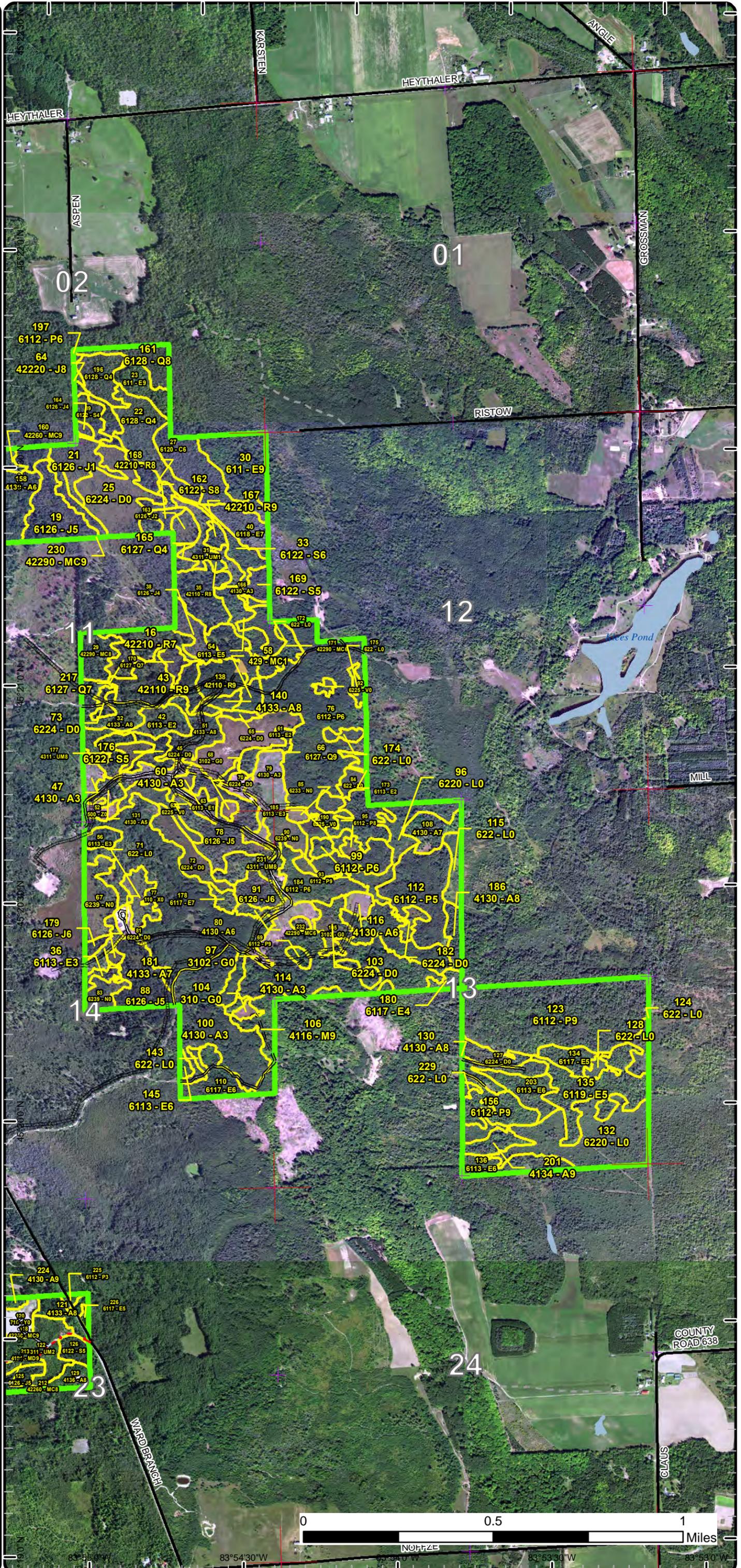


# Stand Boundary Map

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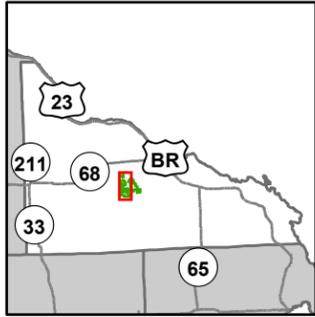


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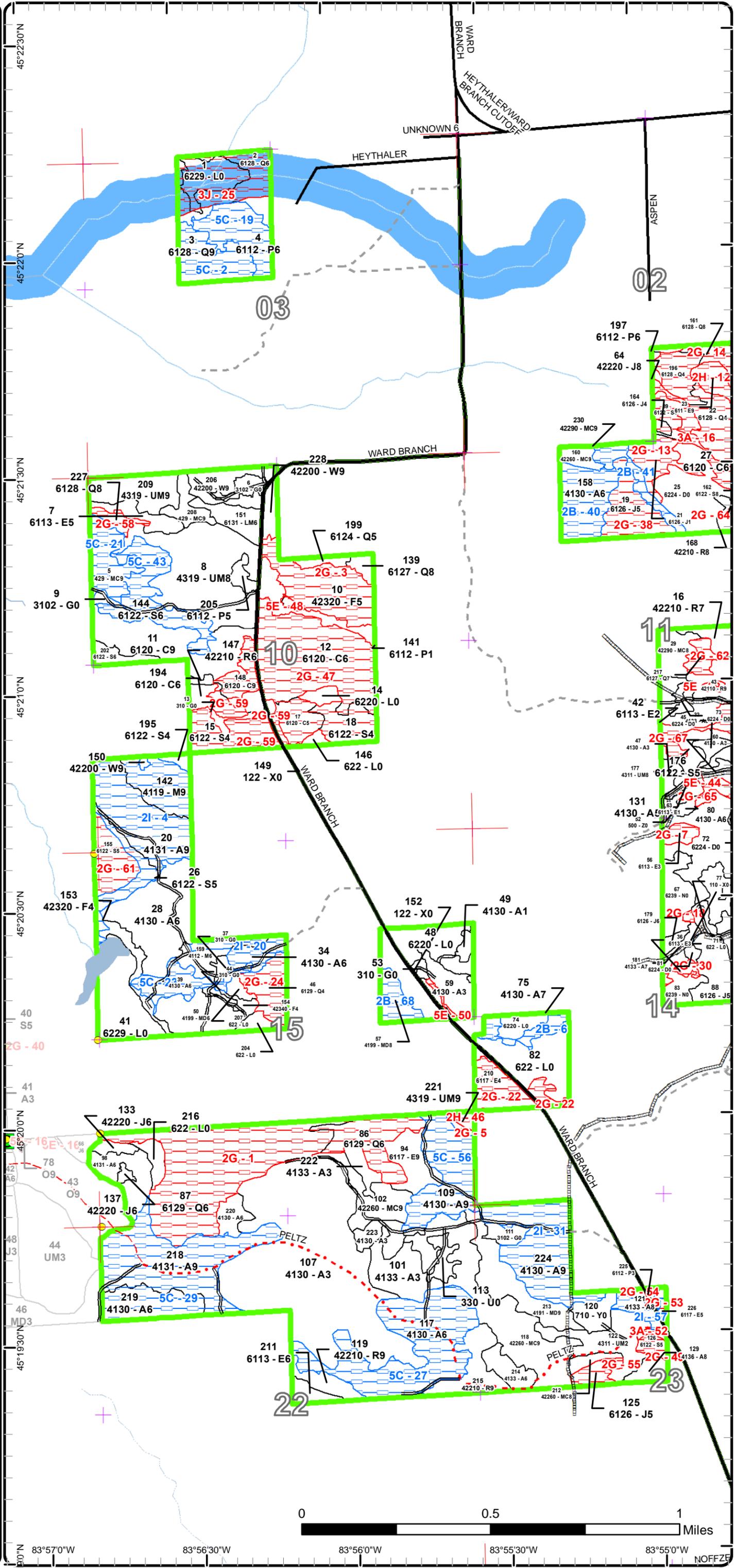


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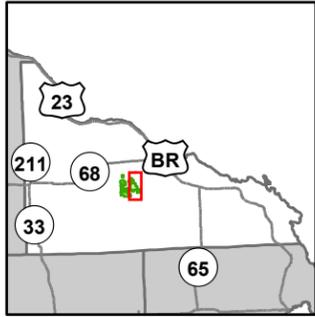
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- Pipeline
- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Natural Beauty Roads
- Cold Water Streams
- High Priority Trout Stream Buffer



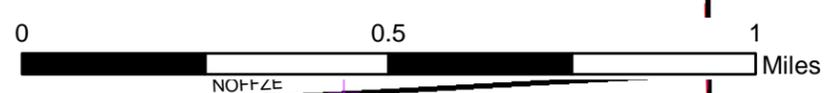
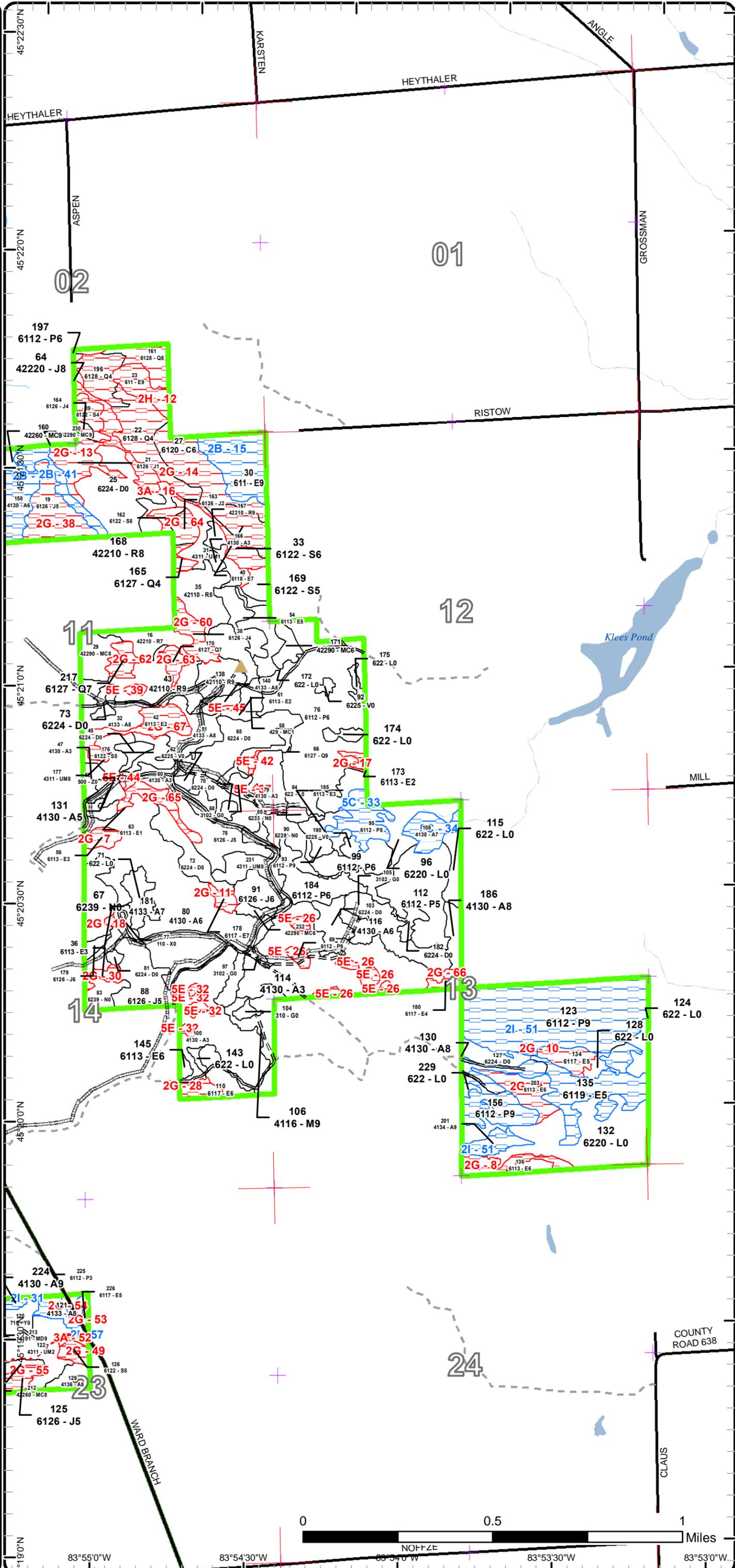
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- 2I: Survey needed
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- 2G: Too wet (sensitive soils, does not include access issues)
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- Stand Boundaries
- Natural Beauty Roads
- Cold Water Streams



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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	104	115	61	35	42	116	30	18	93	0	0	0	0	0	0	0	0	613
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Cedar	0	0	0	0	0	0	0	0	0	22	3	42	6	25	0	0	0	0	98
Herbaceous Openland	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Jack Pine	0	0	3	0	12	20	4	39	0	0	0	7	0	0	0	0	0	0	83
Low-Density Trees	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Aspen/Balsam Poplar	0	7	1	0	92	0	17	0	0	80	0	0	0	0	0	0	0	0	197
Lowland Conifers	0	0	0	0	4	0	0	30	3	31	86	0	0	5	0	0	0	0	159
Lowland Deciduous	0	0	2	20	12	3	41	24	8	36	0	0	0	0	0	0	0	0	146
Lowland Mixed Forest	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Shrub	157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	157
Lowland Spruce/Fir	0	0	0	0	0	0	15	8	30	36	4	0	0	0	0	0	0	0	92
Marsh	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Mixed Upland Deciduous	0	0	0	0	0	13	0	6	0	16	0	0	0	0	0	0	0	0	35
Natural Mixed Pines	0	0	0	2	3	0	11	2	39	7	0	0	6	0	0	0	0	0	70
Northern Hardwood	0	0	0	0	0	8	0	0	10	13	0	0	0	0	0	0	0	0	31
Red Pine	0	0	0	0	0	0	0	0	50	0	0	4	0	1	0	0	0	13	68
Sand, Soil	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Treed Bog	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
Upland Conifers	0	4	0	0	0	0	0	5	0	0	0	0	0	12	0	0	0	0	21
Upland Mixed Forest	0	0	21	0	0	12	2	0	0	12	0	0	0	0	39	0	0	0	86
Upland Spruce/Fir	0	0	0	0	0	0	0	5	2	0	0	0	22	0	0	0	0	0	29
Urban	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	0	0	0	0	0	0	13	0	0	0	0	0	1	0	0	0	0	13
<b>Total</b>	<b>280</b>	<b>115</b>	<b>142</b>	<b>83</b>	<b>158</b>	<b>98</b>	<b>213</b>	<b>162</b>	<b>160</b>	<b>346</b>	<b>93</b>	<b>53</b>	<b>34</b>	<b>44</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>2028</b>



## Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 136

Total Compartment Acres: 2,028

Commercial Harvest - 144  
 Harvests with Site Condition - 187  
 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	103	0	0	0	0	0	0	0	0	103
Jack Pine	27	0	0	0	0	0	0	0	0	27
Lowland Aspen/Balsam Poplar	63	0	0	0	0	0	0	0	0	63
Lowland Deciduous	20	0	0	0	0	0	0	0	0	20
Lowland Spruce/Fir	6	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	22	0	0	0	0	0	0	0	0	22
Natural Mixed Pines	42	0	0	0	0	0	0	0	0	42
Northern Hardwood	16	0	0	0	0	0	0	0	0	16
Red Pine	0	0	0	0	0	18	0	0	0	18
Upland Mixed Forest	12	0	0	0	0	0	0	0	0	12
Upland Spruce/Fir	1	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>313</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>331</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	331	0	0	0	0	0	7	0	0	338
Next Step	0	0	0	0	0	0	313	0	0	313
<b>Total</b>	<b>331</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>320</b>	<b>0</b>	<b>0</b>	<b>651</b>



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

20	54136020-Cut	25.0	4131 - Aspen, Oak	Sawtimber Well	84	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clear-cut with retention.

Specs:

Protect the scarce amount of white pine and red pine regeneration to promote future stand diversity.

Include proper grouse spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, oak, red maple, white pine, and/or red pine.

Other Comment:

Private access will be required.

Site Condition

Survey Needed

Proposed Start Date: 10/1 /2023

26	54136026-Cut	6.4	6122 - Black Spruce	Poletimber Medium	84	51-80	Harvest	Clearcut	612 - Lowland Coniferous Forest	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 low to medium stocked mix of black spruce, paper birch, and/or aspen.

Other Comment:

Retention is not necessary due to the small size of the stand.

Site Condition

Private access will be needed.

Site Condition Survey Needed

Proposed Start Date: 10/1 /2023

29	54136029-Cut	6.6	42290 - Natural Mixed Pine	Sawtimber Medium	81	81-110	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Clear-cut with pocket and single tree retention.

Specs:

Protect red pine and white pine regeneration.

Retain less than 10 BA of white pine with minimal red pine as a seed source for regeneration.

Require a snow off harvest and soil scarification to encourage the regeneration of pine.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of white pine, red pine, jack pine, aspen, and/or red maple.

Other Comment:

Site Condition

Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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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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<b>32</b>	<b>54136032-Cut</b>	8.7	4133 - Aspen, Mixed Pine	Sawtimber Medium	82	51-80	Harvest	Clearcut	4133 - Aspen, Mixed Pine	Even-Aged	No
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Prescription Clear-cut.

Specs:

Protect red pine and white pine regeneration to encourage future stand diversity.

Include the proper grouse spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, red maple, white pine, and black spruce.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2023

Site Condition

Proposed Start Date: 10/1 /2023

<b>34</b>	<b>54136034-Cut</b>	6.5	4130 - Aspen	Poletimber Well	48	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clear-cut.

Specs:

Include proper grouse spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable Regeneration is any medium to well stocked mix of aspen, red maple, and/or sugar maple.

Other Comment:

Site Condition

Retention is not necessary due to the small size of the stand.

Comment:

Private access will be needed.

Site Condition Survey Needed

Proposed Start Date: 10/1 /2023

<b>51</b>	<b>54136051-Cut</b>	8.3	4133 - Aspen, Mixed Pine	Sawtimber Medium	82	81-110	Harvest	Clearcut	4133 - Aspen, Mixed Pine	Even-Aged	No
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Prescription Clear-cut.

Specs:

Protect all white pine and red pine regeneration to promote future stand diversity.

Include proper grouse log spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, red pine, white pine, jack pine, black spruce, and red maple.

Other Comment:

Site Condition

Retention is not necessary due to the small size of the stand.

Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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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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<b>57</b>	<b>54136057-Cut</b>	6.3	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	64	51-80	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Clear-cut.

Specs:

Include proper grouse spec.

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, spruce, and/or pine.

Other

Retention is not necessary due to the small size of the stand.

Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2023

<b>75</b>	<b>54136075-Cut</b>	5.3	4130 - Aspen	Sawtimber Poor	83	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clear-cut.

Specs:

Protect white pine regeneration to promote future stand diversity.

Include proper grouse spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any low to medium stocked mix of aspen, red maple, white pine, paper birch, and balsam fir. Minimal regeneration is acceptable in the central and eastern portions due to the current low tree density.

Other

Private access is required to harvest this stand.

Comment:

Two narrow drainages will need protection during harvest to reach the east most portions.

Retention is not necessary due to the small size of the stand.

Site Condition Unknown Access

Proposed Start Date: 10/1 /2023

<b>78</b>	<b>54136078-Cut</b>	19.6	6126 - Lowland Jack Pine	Poletimber Medium	66	1-50	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
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Prescription Clear-cut with retention.

Specs:

Harvest in dry summer or frozen winter.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any low to medium stocked mix of jack pine, black spruce, white pine, red maple, paper birch, and/or red pine.

Other

The harvest area may be substantially reduced due to the presence of wet areas.

Comment:

Harvest the dense, stressed, small pole size jack pine in the northern arm to eradicate this forest health concern.

Site Condition

Proposed Start Date: 10/1 /2023



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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
<b>91 54136091-Cut</b>	5.6	6126 - Lowland Jack Pine	Poletimber Well	66	81-110	Harvest	Clearcut	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Clear-cut</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 low to medium stocked mix of jack pine, black spruce, white pine, red maple, paper birch, and/or red pine.</p> <p><u>Other Comment:</u> The harvest area may be substantially reduced due to the presence of wet areas. Harvest in dry summer or frozen winter.  No retention is necessary due to the small size of the stand.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>118 54136118-Cut</b>	35.7	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	79	111-140	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>Protect red pine and white pine regeneration to promote future stand diversity.</p> <p>Protect legacy pine and oak.</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, white pine, red pine, paper birch, oak, and/or jack pine.</p> <p><u>Other Comment:</u> The areas west and south of the wildlife opening may prove to be good spots for retention.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>121 54136121-Cut</b>	5.3	4133 - Aspen, Mixed Pine	Sawtimber Medium	76	81-110	Harvest	Clearcut	4136 - Aspen, Mixed Conifer	Even-Aged	No
<p><u>Prescription</u> Clear-cut.</p> <p><u>Specs:</u></p> <p>Protect red pine and white pine regeneration to promote future stand diversity.</p> <p>Protect pine and oak legacy trees if and where present.</p> <p>Include proper grouse spec.</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, red pine, and/or white pine.</p> <p><u>Other Comment:</u> Retention is not necessary due to the small size of the stand.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										



Stand	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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123	54136123-Cut	53.5	6112 - Lowland Aspen	Sawtimber Well	84	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
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Prescription Clear-cut with retention.

Specs: Include proper grouse spec.

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, paper birch, and/or spruce.

Other Private access will be needed.

Comment: The harvest area may be substantially reduced due to wet areas.

Inactive hawks nest visited in person on 4-27-22 in east central area of the stand.

Site Condition Survey Needed

Proposed Start Date: 10/1 /2023

130	54136130-Cut	5.3	4130 - Aspen	Sawtimber Medium	84	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clear-cut.

Specs: Include proper grouse spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Other Private access will be needed.

Comment: Retention is not necessary due to the small size of the stand.

Site Condition Survey Needed

Proposed Start Date: 10/1 /2023

135	54136135-Cut	20.0	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	57	51-80	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
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Prescription Clear-cut with retention.

Specs: Include proper grouse spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Other Private access will be needed.

Comment: The harvest area may be substantially reduced due to wet areas.

Site Condition Survey Needed

Proposed Start Date: 10/1 /2023



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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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<b>138</b>	<b>54136138-Cut</b>	7.0	42110 - Planted Red Pine	Sawtimber Well	76	171-200	Harvest	Crown Thinning	42210 - Natural Red Pine	Even-Aged	No
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Prescription Thin the red pine to 120 BA. Do not remove more than a third of the BA in any one area.

Specs: Mark out a third row thin for maneuverability and thin the remainder of the stand to meet prescription specifications.

Next Step  
Treatments:

Acceptable This is not a regeneration harvest.  
Regen:

Other This stand previously went un-thinned due to the presence of an active Goshawk nest.  
Comment:

Site Condition

Proposed Start Date: 10/1 /2023

<b>140</b>	<b>54136140-Cut</b>	1.6	4133 - Aspen, Mixed Pine	Sawtimber Medium	82	81-110	Harvest	Clearcut	4136 - Aspen, Mixed Conifer	Even-Aged	No
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Prescription Clear-cut.

Specs: Protect pine regeneration to promote future stand diversity.  
Include proper grouse spec.

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

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

Other Retention is not necessary due to the small size of the stand.  
Comment:

Site Condition

Proposed Start Date: 10/1 /2023

<b>141</b>	<b>54136141-Monitor</b>	7.4	6112 - Lowland Aspen	Sapling Poor	2	Immature	Monitoring	Natural Regen (Intermediate)	613 - Lowland Mixed Forest	Even-Aged	No
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Prescription Perform an intermediate natural regeneration check in 5 years.

Specs:

Next Step  
Treatments:

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

Other Black spruce can take a number of years to seed in and re-establish after a harvest.  
Comment:

The long narrow ridge portion of the stand is the area of concern. The portion closest to South Ward Branch Road was filling in at low levels of aspen and red maple.

Site Condition

Proposed Start Date: 10/1 /2026



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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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<b>142 54136142-Cut</b>	12.6	4119 - Mixed Northern Hardwoods	Sawtimber Well	84	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Clear-cut with retention.

Specs: Protect legacy pine and oak.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Other Comment:

Other Private access will be needed.

Site Condition Survey Needed

Proposed Start Date: 10/1 /2023

<b>154 54136154-Cut</b>	1.4	42340 - Upland Spruce/Fir	Poetimber Poor	70		Harvest	Clearcut	4319 - Mixed Upland Forest	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 low to medium stocked stand of balsam fir, white pine, red maple, and/or spruce.

Other Comment:

Other Retention is not necessary due to the small size of the stand.

Site Condition

Proposed Start Date: 10/1 /2023

<b>156 54136156-Cut</b>	9.5	6112 - Lowland Aspen	Sawtimber Well	84	81-110	Harvest	Clearcut	6112 - Lowland Aspen	Even-Aged	No
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Prescription Clear-cut.

Specs:

Include proper grouse spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Other Comment:

Other Private access will be needed.

Site Condition

The harvest area may be substantially reduced due to wet areas.

Retention is not necessary due to the small size of the stand.

Site Condition Survey Needed

Proposed Start Date: 10/1 /2023



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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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<b>159 54136159-Cut</b>	3.1	4112 - Maple, Beech, Cherry Association	Poletimber Well	48	51-80	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	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 red maple, sugar maple, and/or oak.

Other Comment:

Retention is not necessary due to the small size of the stand.

Comment:

Private access will be needed.

Site Condition Survey Needed

Proposed Start Date: 10/1 /2023

<b>177 54136177-Cut</b>	4.8	4311 - Pine, Aspen Mix	Sawtimber Medium	82	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Clear-cut.

Specs:

Protect white pine and red pine regeneration to promote future stand diversity.

Include proper grouse spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, white pine, black spruce, red maple, and/or jack pine.

Other Comment:

Retention is not necessary due to the small size of the stand.

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

<b>179 54136179-Cut</b>	1.4	6126 - Lowland Jack Pine	Poletimber Well	40	51-80	Harvest	Clearcut	612 - Lowland Coniferous Forest	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 low to medium stocked mix of jack pine, black spruce, paper birch, and/or white pine.

Other Comment:

Harvest in dry summer or frozen winter.

Comment:

The harvest area may be substantially reduced due to the presence of wet areas.

No retention is necessary due to the small size of the stand.

Site Condition

Proposed Start Date: 10/1 /2023



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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
<b>181 54136181-Cut</b>	3.0	4133 - Aspen, Mixed Pine	Sawtimber Poor	72	1-50	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut.</p> <p><u>Specs:</u> Protect all pine regeneration to promote future stand diversity. Include proper grouse spec.</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 low to medium stocked stand of aspen, jack pine, white pine, and/or red maple.</p> <p><u>Other Comment:</u> Retention is not necessary due to the small size of the stand.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>201 54136201-Cut</b>	4.5	4134 - Aspen, Spruce/Fir	Sawtimber Well	84	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut.</p> <p><u>Specs:</u> Include proper grouse spec.</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 stand of aspen, red maple, balsam fir, and/or paper birch.</p> <p><u>Other Comment:</u> Private access will be needed. The harvest area may be substantially reduced due to wet areas. Retention is not necessary due to the small size of the stand.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>213 54136213-Cut</b>	16.0	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	85	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
<p><u>Prescription</u> Clear-cut with retention.</p> <p><u>Specs:</u> Protect red pine and white pine regeneration to promote future stand diversity. Protect legacy pine and oak if and where present.</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, white pine, red maple, red pine, and/or oak.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</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
<b>214 54136214-Cut</b>	5.6	4133 - Aspen, Mixed Pine	Poletimber Well	79	111-140	Harvest	Clearcut	4133 - Aspen, Mixed Pine	Even-Aged	No
<p><u>Prescription</u> Clear-cut.</p> <p><u>Specs:</u></p> <p>Retention is not necessary due to the small size of the stand.</p> <p>Protect red pine and white pine regeneration to promote future stand diversity.</p> <p>Include proper grouse spec.</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, red pine, jack pine, and/or white pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>215 54136215-Cut</b>	11.0	42210 - Natural Red Pine	Sawtimber Well	74	141-170	Harvest	Crown Thinning	4221 - Natural Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin to 120 BA while not taking more than a third of the BA in any one area.</p> <p><u>Specs:</u></p> <p>Create third rows for operability.</p> <p>Remove all aspen and jack pine in the southern half of the stand, then thin the remaining red pine and white pine.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> This is not a regeneration harvest.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>224 54136224-Cut</b>	29.4	4130 - Aspen	Sawtimber Well	85	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>Protect all red pine and white pine regeneration to promote future stand diversity.</p> <p>Protect all pine and oak legacy trees.</p> <p>Include proper grouse spec.</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, red pine, white pine, and/or balsam fir.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2023</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
231 54136231-Cut	7.3	4311 - Pine, Aspen Mix	Sawtimber Medium	82	51-80	Harvest	Clearcut	4136 - Aspen, Mixed Conifer	Even-Aged	No
<p><u>Prescription</u> Clear-cut.</p> <p><u>Specs:</u></p> <p>Protect all pine and spruce regeneration to promote future stand diversity.</p> <p>Include proper grouse spec.</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 low to medium stocked mix of aspen, white pine, black spruce, and red pine.</p> <p><u>Other Comment:</u> Retention is not necessary due to the small size of the stand.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

**Total Treatment Acreage Proposed: 343.7**

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 136  
Year of Entry: 2024

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions								
		With Condition				2B	2I	5C	2G	2H	3A	3J	5E	
612	378	<b>231</b>		3	Aspen	21	76	133	0					3
3	3	0		0	Bog									
96	27	0		69	Cedar				69					
20	20	0		0	Herbaceous Openland									
85	42	0		42	Jack Pine				36		7			
4	4	0		0	Low-Density Trees									
197	105	<b>86</b>		7	Lowland Aspen/Balsam Poplar		63	23	0				0	6
160	12	<b>14</b>		134	Lowland Conifers			14	121				12	1
146	39	<b>35</b>		72	Lowland Deciduous	15	20		65	6				
7	7	0		0	Lowland Mixed Forest									
157	148	0		9	Lowland Shrub								9	0
92	15	<b>26</b>		50	Lowland Spruce/Fir		7	19	49		1			
21	21	0		0	Marsh									
35	29	<b>6</b>		0	Mixed Upland Deciduous	6								
70	64	<b>6</b>		0	Natural Mixed Pines	6								
30	14	<b>16</b>		0	Northern Hardwood		16							
67	67	0		1	Red Pine									1
5	5	0		0	Sand, Soil									
61	61	0		0	Treed Bog									
20	9	<b>12</b>		0	Upland Conifers			12						0
86	84	0		2	Upland Mixed Forest				1	1				
29	7	0		22	Upland Spruce/Fir				22					1
7	7	0		0	Urban									
2	2	0		0	Water									
13	13	0		0	White Pine									
2,028	1,184	<b>433</b>		411	Total Forested Acres	<b>49</b>	<b>182</b>	<b>201</b>	364	8	7	21		12
	58%	<b>21%</b>		20%	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)	71	Unspecified	Unspecified	Unspecified	Unspecified

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 136  
Year of Entry: 2024

<b>Comments:</b>							
2	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Available</b>	<b>2I: Survey needed</b>	45	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Further investigation of records/on the ground is needed to determine whether a survey is necessary.							
5	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	5	2I: Survey needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Request for access will need to be made. Further investigation of records/on the ground is needed to determine whether a survey is necessary.							

Report 4 – Site Conditions

Atlanta Mgt. Unit  
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Year of Entry: 2024

7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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12	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	56	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Unavailable</b>	<b>3A: Conservation Values incompatible with harvest at this time</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

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Dale Parris : Examiner

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Year of Entry: 2024

17	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	<b>Available</b>	<b>2I: Survey needed</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Further investigation of records/on the ground is needed to determine whether a survey is necessary.							
21	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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Year of Entry: 2024

23	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
24	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	10	5D: Unproductive Forest Land	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
25	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> High Quality Trout Stream 100 m Buffer							
26	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This is long term retention for Timber Sale Name: Ward Branch Aspen; Sale No.: 54-027-14-01.							
27	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	44	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
28	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

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Dale Parris : Examiner

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Year of Entry: 2024

29	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	52	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	<b>Available</b>	<b>2I: Survey needed</b>	29	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> The 2 north survey corners are present. The west south corner was not found and the east south corner needs to be investigated on the ground.							
32	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This is long term retention for Timber Sale Name: Ward Branch Aspen; Sale No.: 54-027-14-01.							
33	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Harvest with adjacent aspen to the south.							
34	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Harvest with adjacent aspen to the south.							

## Report 4 – Site Conditions

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37	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	0	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention from stand 79 of timber sale 54-027-14-01.							
38	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
39	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention from stand 43, timber sale No. 54-026-14-01.							
40	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
41	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
42	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention from stand 79 of timber sale No. 54-027-14-01.							

## Report 4 – Site Conditions

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Year of Entry: 2024

43	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
44	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This is long term retention for the stand harvested to the east.							
45	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This long term retention from Timber Sale: Ward Branch Aspen; Sale No.: 54-027-14-01							
46	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
47	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	57	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
48	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long-term retention for 54136010-Cut							

Report 4 – Site Conditions

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Dale Parris : Examiner

Compartment: 136  
Year of Entry: 2024

49	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
50	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
51	Available	2I: Survey needed	93	2B: Unknown if access through adjacent landowner(s) is possible	2I: Survey needed	Unspecified	Unspecified
<b>Comments:</b> Access may be possible to through the west central portion of this 160 acre block. Permission has yet to be requested of the private landowner to the west. The north 2 corners of this 160 acre block were confirmed present during the 2024 Inventory. The south 2 corners were not visited due to much standing water.							
52	Unavailable	3A: Conservation Values incompatible with harvest at this time	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
53	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
54	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

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Dale Parris : Examiner

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55	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
56	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
57	<b>Available</b>	<b>2I: Survey needed</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Further investigation of records/on the ground is needed to determine whether a survey is necessary. The corner NW of this stand was not visible during a site visit.							
58	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
59	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
60	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 136  
Year of Entry: 2024

61	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
62	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
63	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
64	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
65	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Atlanta Mgt. Unit  
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Compartment: 136  
Year of Entry: 2024

66	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
67	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
68	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	6	2I: Survey needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Request for access will need to be made. Further investigation of records/on the ground is needed to determine whether a survey is necessary.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments
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**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
SCA	Visual Management Area	An area of general social appreciation that is managed to recognize and preserve a particular visual value. Examples of these areas include scenic vistas, scenic or natural beauty roads, and lakeshore areas.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**1** 6229 - Mixed lowland shrub Nonstocked 9.3 Unspecified No Data from the 2014 YOE was retained and updated.

**2** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 15.7 62 Unspecified N/A Data from the 2014 YOE was retained and updated. Drier areas within stand contain aspen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	20	Pole/Sapling	6		Balsam Fir	Medium	Variable	Sapling
Hemlock	2	Log/Pole	12		Tag Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	10	Log/Pole	12					
Red Maple	15	Pole/Sapling	7					
Black Spruce	10	Pole/Sapling	7					
Paper Birch	5	Pole/Log/Sap	8					
Balsam Fir	38	Pole/Log/Sap	8	62				

**3** 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 14.2 96 1-50 N/A Data from the 2014 YOE was retained and updated.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole/Sapling	7		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	5	Pole/Sapling	5		Red Maple	Low	5 - 10 feet	Sapling
Black Spruce	15	Pole/Log/Sap	8					
Bigtooth Aspen	15	Pole	8					
Northern White Cedar	40	Log/Pole/Sap	11	96				
Red Maple	15	Pole/Sapling	5					

**4** 6112 - Lowland Aspen Poletimber Well 14.4 52 1-50 N/A Data from the 2014 YOE was retained and updated. Wet ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Sapling	5		Balsam Fir	Low	Variable	Sapling
Bigtooth Aspen	45	Pole/Log/Sap	8	52				
Balsam Fir	40	Pole/Sapling	6	48				

**5** 429 - Mixed Upland Conifers Sawtimber Well 11.5 121 81-110 N/A There is a consistent density of large white pine throughout this stand. The red maple are highly variable in size and age. Many legacy white pine are present. There is a small black spruce pocket at the south edge of the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	3	Pole	8		Red Maple	Low	>20 feet	Sapling
Balsam Fir	20	Pole/Sapling	6		Balsam Fir	High	Variable	Sapling
Red Pine	1	XLog	22					
White Pine	44	XLog/Log	18	121				
Red Maple	32	Pole	8	60				

(Records show that all aspen, red maple, oak, and paper birch with a merchantable stick were harvested from the northern 2/3 of this stand, with the exception of 1 oak every 200 feet, in a sale that was closed out in December of 1972. There was no oak found in the stand during the 2024 YOE inventory. Conditions on the ground indicate that aspen and paper birch did not have a presence in the stand during the last harvest.)

**6** 3102 - Grass Nonstocked 3.1 No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
7	6113 - Lowland Maple	Poletimber Medium	5.3	60	1-50	N/A	This stand is a drainage type area although it is likely harvestable in most areas.																																															
<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>Balsam Fir</td> <td>20</td> <td>Pole/Sapling</td> <td>6</td> <td>72</td> </tr> <tr> <td>Northern White Cedar</td> <td>5</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Pine</td> <td>3</td> <td>XLog/Log</td> <td>22</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>62</td> <td>Pole</td> <td>8</td> <td>60</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Balsam Fir	20	Pole/Sapling	6	72	Northern White Cedar	5	Log	14		Paper Birch	10	Pole	7		White Pine	3	XLog/Log	22		Red Maple	62	Pole	8	60	<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>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>High</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling	Tag Alder	High	5 - 10 feet	Tall Shrub								
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Balsam Fir	Medium	Variable	Sapling																																																			
Tag Alder	High	5 - 10 feet	Tall Shrub																																																			
8	4319 - Mixed Upland Forest	Sawtimber Medium	38.8	130	51-80	N/A	Legacy white pine (and some red pine) are scattered throughout. The white pine are highly variable in size. There is evidence that some type of species removal with the exception of white pine and red pine occurred in the past.  (Records show that all aspen, red maple, oak, and paper birch with a merchantable stick were harvested from the northern half of this stand, with the exception of 1 oak every 200 feet, in a sale that was closed out in December of 1972. The 2024 inventory turned up no oak.)																																															
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Black Spruce	Low	Variable	Sapling																																																			
9	3102 - Grass	Nonstocked	1.2			No																																																
10	42320 - Upland Spruce	Poletimber Medium	22.3	110	81-110	N/A	This stand is mostly dominated by black spruce and has pockets with cedar and tamarack mixed in. The northwestern 3.3 acres is somewhat of an inclusion pocket consisting of mixed lowland, cedar, and lowland shrub.																																															
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11	6120 - Lowland Cedar	Sawtimber Well	24.7	123	141-170	N/A	This cedar stand has a fairly open understory with minimal windthrow making it relatively easy to walk through. A stream that is about 7-10 feet wide lies E-W the length of the stand. When looking at the imagery, a scattering of larger white pine along the southern edge of the stand with some tree diversity makes the southern edge look like it does not look fit in with this stand.																																															
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12	6120 - Lowland Cedar	Poletimber Well	41.5	106	171-200	N/A																																																
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13	310 - Herbaceous Openland	Nonstocked	1.6			No																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**14** 6220 - Alder/willow Nonstocked 2.4 51-80 No

**15** 6122 - Black Spruce Poletimber Poor 18.9 75 51-80 N/A

This stand is very wet throughout and is too wet to harvest. This stand is very consistent in composition and density and is back spruce dominate.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	1	Sapling/Pole	4		Cattail spp.	Full	Unspecified	Non-Wood
Tamarack	2	Pole	8		Tag Alder	Full	5 - 10 feet	Tall Shrub
Black Spruce	97	Pole	6	75	Leatherleaf	Low	5 - 10 feet	Tall Shrub
					Sphagnum Moss	Full	Unspecified	Non-Wood

**16** 42210 - Natural Red Pine Sawtimber Poor 7.2 76 81-110 N/A

All aspen, jack pine, and red maple were harvested from this stand in a sale completed in October of 2007. Timber Sale Name: Bear Jack Removal; Timber Sale Number: 54-025-04-01.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	85	Log/Pole/XLog	12	76	White Pine	Medium	Variable	Sapling
White Pine	10	Log/Pole/XLog	12		Jack Pine	Medium	Variable	Sapling
Paper Birch	5	Pole/Log	8		Red Pine	Trace	Variable	Sapling

**17** 6120 - Lowland Cedar Poletimber Medium 6.8 82 51-80 N/A

This stand is too wet to harvest. An edge call was made due to the wetness of the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	15	Pole/Log	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	75	Pole	8	82	Leatherleaf	Medium	< 5 feet	Tall Shrub
Black Spruce	10	Pole/Log	8		Black Spruce	Low	< 5 feet	Sapling

**18** 6122 - Black Spruce Poletimber Poor 8.8 86 51-80 N/A

This stand was not visited due to the difficulty of reaching. The previous inventory data was updated and retained.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	5	Log/Pole	10		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Basswood	2	Pole	8					
Paper Birch	5	Pole/Sapling	7					
Black Spruce	85	Pole	6	86				
Bigtooth Aspen	3	Pole	7					

**19** 6126 - Lowland Jack Pine Poletimber Medium 13.3 67 1-50 N/A

In May 2022 the soil of this stand was saturated and there was standing water throughout. This is a treed bog. This stand is too wet to harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Log/XLog/Pole	14		White Pine	Low	Variable	Sapling
Red Pine	5	Log/XLog	16		Jack Pine	Low	Variable	Sapling
Jack Pine	90	Pole	8	67				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
<b>20</b>	4131 - Aspen, Oak	Sawtimber Well	25.0	84	111-140	N/A																																																	
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<b>21</b>	6126 - Lowland Jack Pine	Sapling Poor	8.4	32	1-50	N/A	There are a few scattered log size red pine and jack pine in the overstory with mixed pine regenerating in the understory. This stand is too wet to harvest.																																																
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<b>22</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	14.8	89	1-50	N/A	This stand had standing water throughout in May 2022. Trees were growing out of hummock. This stand is too wet to harvest and undesirable for harvest due to the low timber volume.																																																
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<b>23</b>	611 - Lowland Deciduous Forest	Sawtimber Well	6.4	82	81-110	N/A	Due to access difficulty a remote call was made on this stand.																																																
<b>25</b>	6224 - Treed Bog	Nonstocked	18.5			No	Dead jack pine overstory with time has reduced to short snags. Sparse sapling black spruce, jack pine, red pine, and white pine are scattered throughout (some of it ploe size). In May 2022 there was saturated soil and standing water throughout.																																																
<b>26</b>	6122 - Black Spruce	Poletimber Medium	7.5	84	51-80	N/A	This stand is moderate lowland with wet lowlands to the west and upland to the east. This stand is harvestable.																																																
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<b>27</b>	6120 - Lowland Cedar	Poletimber Well	14.7	83	1-50	N/A	Comments from the 2014 YOE Inventory: Wetland comprised of small diameter cedar; Heavily used by deer																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>28</b>	4130 - Aspen	Poletimber Well	27.3	46	81-110	N/A	Record show that all aspen and mixed hardwoods that would yield a merchantable stick were harvested from 30 acres of this area in a sale closed out in September of 1976. The 1976 year of origin was verified in the field.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Black/Red (Hybrid) Oak		10	Pole	8		Red Maple		
Balsam Fir		2	Pole/Sapling	5		Low		
Bigtooth Aspen		78	Pole/Sapling	7	46	>20 feet		
Red Maple		10	Pole/Sapling	6		Sapling		
<b>29</b>	42290 - Natural Mixed Pine	Sawtimber Medium	6.6	81	81-110	N/A	All aspen, jack pine, and red maple were harvested from the eastern third of this stand in a sale completed in October of 2007. Timber Sale Name: Bear Jack Removal; Timber Sale Number: 54-025-04-01.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
White Pine		38	Log/Pole/XLog	12		White Pine		
Red Pine		55	Log/XLog/Pole	14	81	Low		
Jack Pine		2	Log/Pole	11		Variable		
Black/Red (Hybrid) Oak		5	Pole/Log	9		Sapling		
<b>30</b>	611 - Lowland Deciduous Forest	Sawtimber Well	15.3	82	51-80	N/A	Due to access difficulty a remote call was made on this stand.	
<b>31</b>	4311 - Pine, Aspen Mix	Sapling Poor	7.0	18	1-50	N/A	Records show all aspen, jack pine, and red maple were harvested from this stand in a sale completed in October of 2007. Timber Sale Name: Bear Jack Removal; Timber Sale Number: 54-025-04-01. Aging aspen saplings shows the harvest took place in 2004.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Bigtooth Aspen		34	Sapling	2	18			
Jack Pine		30	Sapling	2	18			
Red Pine		10	Log/XLog	14	73			
White Pine		10	Sapling	3				
Black/Red (Hybrid) Oak		1	Log	15				
White Pine		5	Log	12				
Red Pine		10	Sapling	3				
<b>32</b>	4133 - Aspen, Mixed Pine	Sawtimber Medium	8.7	82	51-80	N/A	Aspen in the higher ground. Previously left for conversion to white pine and for age class diversity.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		10	Pole	7		Red Pine		
Quaking Aspen		60	Log/Pole	11	82	Trace		
Black Spruce		5	Pole	7		Medium		
White Pine		25	Log/Pole/XLog	12		Low		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
<b>33</b>	6122 - Black Spruce	Poletimber Well	5.2	68	81-110	N/A	This stand is, overall, too wet to harvest.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		25	Pole/Log/Sap	8		Balsam Fir	Low	Variable	Sapling
Paper Birch		5	Pole/Log	8		Blueberry/Bilberry/Cranberry	Medium	5 - 10 feet	Tall Shrub
Black Spruce		56	Pole/Log/Sap	8	68	Black Spruce	Low	Variable	Sapling
Balsam Fir		10	Pole/Sapling	6		Tag Alder	Low	5 - 10 feet	Tall Shrub
White Spruce		2	Log/Pole	11					
Quaking Aspen		2	Log	16					
<b>34</b>	4130 - Aspen	Poletimber Well	6.5	48	51-80	N/A	This is a higher quality aspen stand. Stiff clubmoss covers about a third of the forest floor. Records show that all aspen, red maple, and paper birch with a merchantable stick were harvested from this quarter-quarter in a sale completed in 1974.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		10	Pole	8		Red Maple	Low	>20 feet	Sapling
Sugar Maple		5	Pole	8					
Bigtooth Aspen		85	Pole/Sap/Log	8	48				
<b>35</b>	42110 - Planted Red Pine	Sawtimber Medium	11.0	71	51-80	N/A	The growth rings showed a substantial diameter growth increase after the 2007 species removal.  All aspen, jack pine, and red maple were harvested from this stand in a sale completed in October of 2007. Timber Sale Name: Bear Jack Removal; Timber Sale Number: 54-025-04-01.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Pine		75	Log/Pole/XLog	12	71	Black Spruce	Low	Variable	Sapling
White Pine		25	Log/Pole/Sap	12		Red Pine	Medium	Variable	Sapling
						White Pine	Low	Variable	Sapling
<b>36</b>	6113 - Lowland Maple	Sapling Well	1.9	28	1-50	N/A	This stand is too wet to harvest.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		95	Sapling	3	28	Tag Alder	High	5 - 10 feet	Tall Shrub
Paper Birch		5	Sapling	3					
<b>37</b>	310 - Herbaceous Openland	Nonstocked	1.7			No			
<b>38</b>	6126 - Lowland Jack Pine	Poletimber Poor	5.7	40	1-50	N/A	From the stand edge, the soil in this stand appeared to be saturated with areas of standing water throughout when visited in May 2022. This stand is too wet to harvest.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Pine		15	Pole	8		Red Pine	Low	Variable	Sapling
White Pine		5	Log/Pole	10		Black Spruce	Low	Variable	Sapling
Jack Pine		80	Pole	8	40	Leatherleaf	Full	< 5 feet	Tall Shrub
						White Pine	Low	Variable	Sapling
						Jack Pine	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
<b>39</b>	4130 - Aspen	Poletimber Well	8.0	48	51-80	N/A	A 1974 FTP indicates that this stand was harvested for wildlife benefit.																																													
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<b>40</b>	6118 - Lowland Deciduous with Cedar	Sawtimber Poor	7.5	75	1-50	N/A	This stand had standing water throughout in May 2022. Trees were growing out of hummock. This stand is too wet to harvest and undesirable for harvest due to the low timber volume.																																													
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<b>41</b>	6229 - Mixed lowland shrub	Nonstocked	19.5			No																																														
<b>42</b>	6113 - Lowland Maple	Sapling Medium	9.0	20	1-50	N/A	This stand is too wet to harvest.																																													
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<b>43</b>	42110 - Planted Red Pine	Sawtimber Well	19.7	76	111-140	N/A	2024 Inventory BA Measurements: (160, 120, 120, 90, 90, 110, 110, 80). Areas of the west portion of this stand are reminiscent of a heavily treed bog and could be joined to Stand 217. The red pine are dying off in the bog area due to over saturated soil.  The residual BA after the harvest was 110 BA. This stand was thinned in the winter of 2017. Timber Sale Name: Kamikaze Red Pine; Sale No.: 54-026-14-01																																													
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<b>44</b>	310 - Herbaceous Openland	Nonstocked	1.0			No																																														
<b>45</b>	6224 - Treed Bog	Nonstocked	2.2			No	scattered sapling to pull sized white pine Jack Pine in black spruce and red pine. borderline forested to wet the harvest 15% black spruce 10% red pine 40% white pine 40% jackpin three inch jackpot three inch white pine one inch black spruce three inch red pine																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
46	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	9.5	89		N/A	Stagnant cedar with spruce along the edge of the stand. Heavy cattails and tag alder in the understory. The 2014 YOE Inventory data for this stand was retained. There is some lowland conifer mixed in, but for all intensive management purposes this is lowland shrub.																																															
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47	4130 - Aspen	Sapling Well	2.5	6	Immature	N/A	The harvest of this stand was completed on 5/19/16 with Timber Sale Name: Ward Branch Aspen; Sale No.: 54-027-14-01.																																															
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48	6220 - Alder/willow	Nonstocked	20.0			No																																																
49	4130 - Aspen	Sapling Poor	2.1	5	Immature	N/A	The harvest of this stand was completed on 1/5/17 with Timber Sale Name: Ward Branch Aspen; Sale No.: 54-027-14-01. The regeneration is a poorly stocked stand of aspen. This was to be expected due to the limited amount aspen trees prior to harvest. Deer browse is thought to have compounded the issue. The regeneration is accepted as is, based on variance regeneration noted.																																															
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50	4199 - Other Mixed Upland Deciduous	Poletimber Well	12.7	48	51-80	N/A	Records show that all aspen, red maple, and paper birch with a merchantable stick were harvested from the east half of this stand in a sale completed in 1974. A 1974 FTP indicates that this the west half of this stand was harvested for wildlife benefit.																																															
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51	4133 - Aspen, Mixed Pine	Sawtimber Medium	8.3	82	81-110	N/A	There are openings throughout stand with red pine regenerating.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**52** 500 - Water Nonstocked 2.3 0 No

**53** 310 - Herbaceous Openland Nonstocked 1.1 No

**54** 6113 - Lowland Maple Poletimber Medium 6.9 60 51-80 N/A

This stand has low wet areas. An eastern aspect slope on the west edge of the stand makes access from the west limited. The best access is likely from the SW corner of the stand.

Canopy Species					Sub-Canopy Species			
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	2	Log	11		White Pine	Low	Variable	Sapling
Balsam Fir	15	Pole	7		Tag Alder	High	5 - 10 feet	Tall Shrub
Red Maple	63	Log/Pole/Sap	10	60	Balsam Fir	Medium	Variable	Sapling
White Pine	5	Log/XLog/Pole	14					
Paper Birch	10	Pole/Log	8					
Quaking Aspen	5	Log	15					

**56** 6113 - Lowland Maple Sapling Well 2.8 28 1-50 N/A

This stand is too wet to harvest. The harvest of this stand was completed in July of 1994 as part of Timber Sale Name: Ward Branch Blow Down; Timber Sale Number: 54-004-93-01.

Canopy Species					Sub-Canopy Species			
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Sapling	3		Tag Alder	High	5 - 10 feet	Tall Shrub
Red Maple	95	Sapling	3	28				

**57** 4199 - Other Mixed Upland Deciduous Sawtimber Medium 6.3 64 51-80 N/A

The inventory data from 2014 was updated in size. This stand was not visited because Stand 48 was flooded, blocking access, in April 2022.

Canopy Species					Sub-Canopy Species			
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Log	8		Balsam Fir	Medium	Variable	Sapling
Red Oak	20	Log	13		White Pine	Low	Variable	Sapling
Paper Birch	15	Log/Pole	10					
Bigtooth Aspen	30	Log	14	64				
Balsam Fir	5	Pole	8					
White Pine	5	Log	15	77				
Sugar Maple	5	Log/Pole/Sap	10					

**58** 429 - Mixed Upland Conifers Sapling Poor 3.9 5 Immature N/A

One to two pine/oak per acre were retained at the last harvest to promote future stand diversity. The harvest of this stand was completed in January of 2017 as part of Timber Sale Name: Ward Branch Aspen; Sale No.: 54-027-14-01.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	1	5
Jack Pine	15	Sapling	1	
Red Pine	30	Sapling	1	3
White Pine	10	Sapling	1	
Bigtooth Aspen	35	Sapling	1	5
Black Spruce	5	Sapling	1	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
<b>59</b>	4130 - Aspen	Sapling Well	8.9	6	Immature	N/A	The harvest of this stand was completed in December of 2016 as part of Timber Sale Name: Ward Branch Aspen; Sale No.: 54-027-14-01. This is a dense and fully stocked aspen stand.																																										
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Balsam Fir	2	Sapling	1																																														
<b>60</b>	4130 - Aspen	Sapling Well	8.8	6	Immature	N/A	The harvest of this stand was completed in May of 2016 as part of Timber Sale Name: Ward Branch Aspen; Sale No.: 54-027-14-01. One to two pine/spruce were retained per acre to promote future stand diversity; pine and spruce regen was protected during the harvest.																																										
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<b>61</b>	6113 - Lowland Maple	Sapling Medium	1.3	18	Immature	N/A	This is deciduous transition forest.																																										
<b>62</b>	6225 - Bog	Nonstocked	1.1			No	New stand added.																																										
<b>63</b>	6113 - Lowland Maple	Sapling Poor	4.9	20	Immature	N/A	This stand is too wet to harvest.																																										
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<b>64</b>	42220 - Natural Jack Pine	Sawtimber Medium	6.5	107	Unspecified	N/A	This stand has included wet areas.																																										
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<b>65</b>	6224 - Treed Bog	Nonstocked	15.2			No	New stand added.																																										



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<b>66</b>	6127 - Lowland Pine	Sawtimber Well	3.3	79	51-80	N/A	The south portion of this stand has large log size red pine to the west and log sized aspen retention (from the harvest to the east) to the east. The northern arm of the stand tends to be smaller pine.																																																						
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<b>67</b>	6239 - Mixed Emergent Wetland	Nonstocked	9.2			No																																																							
<b>68</b>	3102 - Grass	Nonstocked	2.2		Immature	No	This stand is slowly filling in with jack pine.																																																						
<b>69</b>	6112 - Lowland Aspen	Sawtimber Well	6.3	82	81-110	N/A	These pockets that compose this stand are retention from the surrounding harvest. The pockets are typically wet areas with log size red maple and aspen at the edges. The harvest of the surrounding stand was completed on 1/11/17 with Timber Sale Name: Ward Branch Aspen; Sale No.: 54-027-14-01.																																																						
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<b>70</b>	6224 - Treed Bog	Nonstocked	1.1			No	New stand added.																																																						
<b>71</b>	622 - Lowland Shrub	Nonstocked	5.5		Immature	No	The the harvest of this stand was completed in July of 1994 as part of Timber Sale Name: Ward Branch Blow Down; Timber Sale Number: 54-004-93-01.																																																						
<b>72</b>	6224 - Treed Bog	Nonstocked	8.2			No	Stand swapped from Forested to Non-Forested.																																																						
<b>73</b>	6224 - Treed Bog	Nonstocked	1.8		Immature	No	Aspen in the higher ground. Previously left for conversion to white pine and for age class diversity.																																																						
<b>74</b>	6220 - Alder/willow	Nonstocked	4.0			No	New stand added.																																																						
<b>75</b>	4130 - Aspen	Sawtimber Poor	5.3	83	51-80	N/A	This stand is dominated by aspen throughout. The aspen in the west portion has fairly dense overly mature aspen. The central and east portions have scarce aspen.																																																						
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<b>76</b>	6112 - Lowland Aspen	Poletimber Well	53.0	35	51-80	N/A	This stand was not harvested when the timber to the south and north was harvested. This stand is a mix of lowland and upland forest but is more to the lowland side.																																															
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<b>77</b>	110 - Low Intensity Urban	Nonstocked	2.4				Storage facility for oil.																																															
<b>78</b>	6126 - Lowland Jack Pine	Poletimber Medium	19.6	66	1-50	N/A	This stand is dry enough to harvest.																																															
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<b>79</b>	4130 - Aspen	Sapling Well	10.6	6	Immature	N/A	The harvest of this stand was completed in May of 2016 as part of Timber Sale Name: Ward Branch Aspen; Sale No.: 54-027-14-01. Pine regeneration was protected during this sale.																																															
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<b>80</b>	4130 - Aspen	Poletimber Well	60.8	28	1-50	N/A	There are some areas in the northern portion of this stand that are more to the lowland side, have less dense tree canopy, and dense shrub.  The the harvest of this stand was completed in July of 1994 as part of Timber Sale Name: Ward Branch Blow Down; Timber Sale Number: 54-004-93-01.																																															
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<b>81</b>	6224 - Treed Bog	Nonstocked	0.9			No	New stand added.																																															
<b>82</b>	622 - Lowland Shrub	Nonstocked	17.0		Immature	No	There is a narrow ridge within the stand that is not worth harvesting. Overall this stand has scarce timber and is dominated by lowland shrub.																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
83	6239 - Mixed Emergent Wetland	Nonstocked	4.3			No	This is a bog with with lowland shrub areas and smaller diameter spruce and fir.																																																						
84	622 - Lowland Shrub	Nonstocked	4.5		Immature	No																																																							
85	6233 - Wet Meadow	Nonstocked	1.6			No																																																							
86	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	14.4	93	81-110	N/A	This stand is too wet to harvest. A cut line can be seen in the imagery that divides the northern 4 acres from the rest of the stand. The stand has a much lower canopy density north of this cut-line while the mix of tree species remains similar. There is a consistent layer of lowland shrub north of the cut-line.																																																						
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87	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	57.0	93	51-80	N/A	There is some cedar regeneration located in the openings. Areas to the west are dominate to black spruce and areas to the east are dominate to cedar. Both are present throughout. Some mixed upland ridges are present in the southwest portion of the stand.																																																						
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88	6126 - Lowland Jack Pine	Poletimber Medium	12.5	40	1-50	N/A	This is lowland jack pine/black spruce in a bog like setting.																																																						
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89	6122 - Black Spruce	Poletimber Poor	4.3	70	1-50	N/A	The stand is basically a heavily treed bog. This stand is too wet to harvest.																																																						
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<b>91</b>	6126 - Lowland Jack Pine	Poletimber Well	5.6	66	81-110	N/A																																																
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<b>92</b>	6225 - Bog	Nonstocked	1.0			No	This stand is upland shrub to the west and bog to the east.																																															
<b>93</b>	6112 - Lowland Aspen	Sawtimber Well	1.7	82	51-80	N/A	This area was retained when the surrounding area was harvested in 1985.																																															
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<b>94</b>	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	9.3	68	51-80	N/A	This stand is a mix of inclusion pockets. There are legacy red pine and white pine throughout. A pocket of legacy red pine sits at the south edge of the sale. Cedar is scattered through the west-central portion of the stand.																																															
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<b>95</b>	6112 - Lowland Aspen	Sawtimber Medium	8.8	84	51-80	N/A																																																
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<b>96</b>	6220 - Alder/willow	Nonstocked	12.1			No																																																
<b>97</b>	3102 - Grass	Nonstocked	1.1			No																																																



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<b>98</b>	4131 - Aspen, Oak	Poletimber Well	10.0	36	51-80	N/A	The age of the aspen in this stand verifies that this stand was harvested separate and later than the aspen in the stand to the south.																																														
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<b>99</b>	6112 - Lowland Aspen	Poletimber Well	7.7	37	51-80	N/A	This stand was part of a 70 acre harvest in the NW QQ of Section 13 that was completed in November of 1985; Timber Sale Name: Humiture 96 Block; Timber Sale No: 54-058-84-01.																																														
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Quaking Aspen	75	Pole/Sapling	7	37																																																	
Red Maple	5	Sapling/Pole	4																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Balsam Fir	Medium	Variable	Sapling																																																		
<b>100</b>	4130 - Aspen	Sapling Well	30.4	6	Immature	N/A	The retention pockets contain lowland shrub, emergent wetland, aspen, and red maple. There is a red pine exclusion pocket to the west. The landing to this harvest was at the north end of the stand. Erosion is no longer a concern within the landing due to vegetation. The harvest of this stand was completed in December of 2016 as part of Timber Sale Name: Ward Branch Aspen; Sale No.: 54-027-14-01.																																														
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Jack Pine	5	Sapling	1																																																		
<b>101</b>	4133 - Aspen, Mixed Pine	Sapling Well	11.7	16	111-140	N/A	The harvest of this stand was completed with the stand to the west in June of 2006 as part of Timber Sale Name: Pair of Peltz; Timber Sale Number: 54-021-04-01. All aspen, red maple, oak, and jack pine were harvested. This stand was divided out due to its consistent component of white pine.																																														
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<b>102</b>	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	10.9	52	51-80	N/A	The northwestern most/majority of the acres in the NW arm of this stand were not harvested with the adjacent stands. Pine in this portion of the NW arm are approaching legacy qualities. The rest of the stand is mostly white pine dominate with patches of aspen and jack pine.																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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103	6224 - Treed Bog	Nonstocked	6.1			No	Stand swapped from Forested to Non-Forested.
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104	310 - Herbaceous Openland	Nonstocked	1.3			No	
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105	3102 - Grass	Nonstocked	2.6		Immature	No	
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106	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	9.6	74	1-50	N/A	This is a northern hardwood stand. Birch and big-tooth aspen declining throughout stand. The sugar maple are poor quality with some medium quality pole to small log size sugar maple at the north end. The is a 1.4 acre aspen/white pine inclusion pocket at the south end of the stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	30	Log/Pole	10	74
Bigtooth Aspen	20	Log	14	
Basswood	10	Log	14	
Paper Birch	10	Log/Pole	11	74
Beech	1	Log/XLog	16	
Red Maple	29	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Medium	Variable	Sapling
Ironwood	Medium	>20 feet	Sapling

107	4130 - Aspen	Sapling Well	102.2	16	Immature	N/A	There is a good scattering of red pine in the understory; much of which is growing in areas open enough for recruitment to take place. Leaving the sparse red pine and white pine worked well for adding diversity and aesthetic quality to the stand. The harvest of this stand was completed in June of 2006 as part of Timber Sale Name: Pair of Peltz; Timber Sale Number: 54-021-04-01. All aspen, red maple, oak, and jack pine were harvested.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	5	Log/Pole/Sap	11	
Black/Red (Hybrid) Oak	8	Sapling	4	
Jack Pine	10	Sapling	4	
White Pine	3	Log/Pole/Sap	12	
Red Maple	10	Sapling	2	
Bigtooth Aspen	64	Sapling	2	16

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Red Maple	Low	< 5 feet	Sapling
Red Pine	Low	Variable	Sapling

108	4130 - Aspen	Sawtimber Poor	6.7	67	1-50	N/A	This stand is north of the 70 acre harvest the took place in this section quarter. This is a really nice open stand of mainly low density log sized aspen with sparse younger white pine and jack pine.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	31	Log	12	67
Bigtooth Aspen	30	Log	12	67
Paper Birch	20	Pole	8	
Balsam Fir	10	Pole	7	
White Pine	2	Log	15	
Jack Pine	2	Pole	8	
Red Maple	5	Log/Pole	12	67

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
White Pine	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
<b>109</b>	4130 - Aspen	Sawtimber Well	22.6	60	81-110	N/A	This is a higher quality stand of aspen.																																											
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Balsam Fir	Low	Variable	Sapling																																															
<b>110</b>	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	8.1	54	51-80	N/A	This stand is a combination of inclusion pockets. There is pole size red maple to the SW (too wet to harvest), log side cedar southcentral (too wet to harvest), and log size aspen/fir to the southeast.																																											
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<b>111</b>	3102 - Grass	Nonstocked	3.1		Immature	No	This is an opening that could be planted for wildlife. There is a ditch in the southwest corner of the stand that has been used for dumping trash.																																											
<b>112</b>	6112 - Lowland Aspen	Poletimber Medium	20.2	37	51-80	N/A	This stand has very wet soils and is borderline too wet to harvest, but is harvestable under seasonal dry conditions. There are some pockets of higher ground in the northwestern portion of the stand. This stand was part of a 70 acre harvest in the NW QQ of Section 13 that was completed in November of 1985; Timber Sale Name: Humiture 96 Block; Timber Sale No: 54-058-84-01.																																											
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Tag Alder	Full	5 - 10 feet	Tall Shrub																																															
<b>113</b>	330 - Low-Density Trees	Nonstocked	4.3		Immature	No	This stand has loose sandy soil and is somewhat of a mix between herbaceous openland and low density trees/white pine.																																											
<b>114</b>	4130 - Aspen	Sapling Well	40.3	6	Immature	N/A	The harvest of this stand was completed in December of 2016 as part of Timber Sale Name: Ward Branch Aspen; Sale No.: 54-027-14-01.																																											
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115	622 - Lowland Shrub	Nonstocked	4.6		Immature	No	Stand has a timber trespass from adjacent private property timber sale to the east. Stand regenerating well.  This stand was part of a 70 acre harvest in the NW QQ of Section 13 that was completed in November of 1985; Timber Sale Name: Humiture 96 Block; Timber Sale No: 54-058-84-01.																																																												
116	4130 - Aspen	Poletimber Well	12.6	37	51-80	N/A	This stand was part of a 70 acre harvest in the NW Quarter of Section 13 that was completed in November of 1985; Timber Sale Name: Humiture 96 Block; Timber Sale No: 54-058-84-01.																																																												
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117	4130 - Aspen	Poletimber Well	43.9	50	81-110	N/A	The aspen in the NE third of the stand is medium to poor quality. The majority of the aspen comprised in the central region of the stand is higher quality aspen of slightly larger diameter. The understory pine regeneration is focused in the northern third of the stand but is present in varying quantities throughout.  Records show that all aspen with a merchantable stick were harvested from the western third of this stand in a sale completed in July of 1974. Records show that all aspen and mixed hardwoods with a merchantable stick were harvested from the eastern two-thirds of this stand in a sale that was completed in September of 1971.																																																												
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118	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	35.7	79	111-140	N/A	The red maple understory is dense in the northern third of the stand. The age if the aspen in the stand varies from north to south. The age used for the aspen was taken from the age of the aspen stand adjacent to the SW. There are patchy areas of aspen throughout stand. The pine is of variable size and density.																																																												
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119	42210 - Natural Red Pine	Sawtimber Well	5.1	74	111-140	N/A	2024 YOE Inventory BA Measurements: (140, 120, 80, 60, 170). This is a nice natural red pine stand with wet bog like areas mixed in.																																																												
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120	710 - Sand, Soil	Nonstocked	5.3			No	This is a former oil processing facility. It is now an open sandy area. This are needs to be reclaimed. Illegal ORV use is taking place.																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>121</b>	4133 - Aspen, Mixed Pine	Sawtimber Medium	5.3	76	81-110	N/A	This stand has mature aspen with red pine in all age groups. The red pine are mostly scattered in the northern half of the stand.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Paper Birch		5	Log/Pole	10		Tag Alder		
Bigtooth Aspen		59	Log	12	76	White Pine		
Jack Pine		5	Log/Pole	11		Red Pine		
Red Pine		15	Log/Pole	11		Balsam Fir		
White Pine		1	Log/Pole	13				
Red Oak		5	XLog/Log	18				
Red Maple		10	Pole	7				
<b>122</b>	4311 - Pine, Aspen Mix	Sapling Medium	13.8	16	Immature	N/A	This stand is a mosaic of patches alternating between aspen and jack pine dominance. Scattered log size red pine and white pine were retained during the last harvest. The southern 2 acres are wet bog dominated by sapling jack pine. The harvest of this stand was completed in June of 2006 as part of Timber Sale Name: Pair of Peltz; Timber Sale Number: 54-021-04-01. All aspen, red maple, oak, and jack pine were harvested.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Red Pine		2	Sapling	1				
Red Pine		1	Log	13				
White Pine		1	Log	16				
Bigtooth Aspen		34	Sapling	1	16			
Jack Pine		40	Sapling	2	16			
White Pine		2	Sapling	1				
Quaking Aspen		20	Sapling	1	16			
<b>123</b>	6112 - Lowland Aspen	Sawtimber Well	53.5	84	81-110	N/A	This is an old stand of large aspen. There are many lowland shrub pockets and veins throughout the stand.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		15	Pole/Log	9		Red Maple		
Balsam Fir		15	Pole/Log/Sap	8		Beech		
Bigtooth Aspen		60	Log	13	84	Balsam Fir		
Paper Birch		10	Pole	8				
<b>124</b>	622 - Lowland Shrub	Nonstocked	3.7		Immature	No	Wet ground, low density of trees.	
<b>125</b>	6126 - Lowland Jack Pine	Poletimber Medium	4.2	51	51-80	N/A	This stand is too wet to harvest; Bog.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
White Pine		35	Log/Pole	10		White Pine		
Jack Pine		55	Pole/Log	8	51	Black Spruce		
Black Spruce		5	Pole/Sapling	6		Leatherleaf		
Quaking Aspen		5	Pole/Sapling	6		Jack Pine		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
<b>126</b>	6122 - Black Spruce	Poletimber Medium	3.2	74	51-80	N/A	This stand is too wet to harvest. There is a higher ridge of aspen and pine on the southern edge of Peltz Road that could be harvested with the stand to the north, but this line of trees may better serve as a windthrow protection to the lowland conifer to the south.																																							
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<b>127</b>	6224 - Treed Bog	Nonstocked	4.5		Immature	No	This treed bog has varying densities of spruce and pine. There is a nice pine pocket in the NW portion of the bog.																																							
<b>128</b>	622 - Lowland Shrub	Nonstocked	1.8		Immature	No	Wet ground, low density of trees.																																							
<b>129</b>	4136 - Aspen, Mixed Conifer	Sawtimber Medium	3.6	78	81-110	N/A	Small lowland inclusion of cedar and black spruce located within the stand (2014 comment). Due to flooding to the north this stand was not revisited during the 2024 inventory. Imagery indicates that the cedar and black spruce make up better than a third of this stand. The northern 2.3 acres of the stand is aspen dominated. The data on the black spruce and cedar was estimated.																																							
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<b>130</b>	4130 - Aspen	Sawtimber Medium	5.3	84	51-80	N/A	This is high ground with a lowland maple drainage outside of and dividing the stand. There are some treeless areas, mainly down the center of the south ridge.																																							
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<b>131</b>	4130 - Aspen	Poletimber Medium	3.1	33	1-50	N/A	<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>Bigtooth Aspen</td> <td>80</td> <td>Pole/Sapling</td> <td>5</td> <td>33</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Balsam Poplar</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table> <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>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>	Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	80	Pole/Sapling	5	33	Red Maple	15	Sapling/Pole	4		Balsam Poplar	5	Sapling/Pole	4		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Sapling	Balsam Fir	Trace	Variable	Sapling	Black Spruce	Trace	Variable	Sapling			
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<b>132</b>	6220 - Alder/willow	Nonstocked	32.4			No																																								
<b>133</b>	42220 - Natural Jack Pine	Poletimber Well	2.2	36	1-50	N/A	<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>Jack Pine</td> <td>85</td> <td>Pole</td> <td>6</td> <td>36</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>5</td> <td>Pole/Sapling</td> <td>6</td> <td>36</td> </tr> </tbody> </table>	Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	85	Pole	6	36	Red Maple	10	Sapling/Pole	4		Black/Red (Hybrid) Oak	5	Pole/Sapling	6	36																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**134** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 5.0 50 51-80 N/A This stand is too wet to harvest(borderline). The Eastern 2 acres of the stand are sapling red maple.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Pole	8	50
Paper Birch	15	Pole/Sapling	6	
Quaking Aspen	30	Log	11	
Balsam Fir	15	Pole/Sapling	6	
Black Spruce	5	Pole	8	

**135** 6119 - Mixed Lowland Deciduous Forest Poletimber Medium 20.0 57 51-80 N/A There are low ground pockets and areas of low density canopy trees. Areas of dense red maple saplings with sparse larger trees are present. The southwest peninsula is dominated by red maple saplings with a moderate density of pole size paper birch.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	35	Pole/Log/Sap	7	57	Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	25	Log	13	84	Red Maple	High	>20 feet	Sapling
Balsam Fir	15	Pole/Log	8					
Red Maple	25	Pole/Sapling	6					

**136** 6113 - Lowland Maple Poletimber Well 7.7 53 51-80 N/A An edge call was made from the northwest edge of this stand due to heavy standing water throughout the stand. This stand is too wet to harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	8		Tag Alder	Full	5 - 10 feet	Tall Shrub
Paper Birch	35	Pole/Log	8		Balsam Fir	Medium	Variable	Sapling
Red Maple	60	Pole/Log	8	53				

**137** 42220 - Natural Jack Pine Poletimber Well 0.9 36 1-50 N/A This is a pocket that regenerated to jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	96	Pole	7	36
Balsam Fir	2	Pole	6	
Bigtooth Aspen	2	Pole	6	

**138** 42110 - Planted Red Pine Sawtimber Well 7.0 76 171-200 N/A 2024 Inventory BA Measurements: (140, 240, 180, 190, 250)

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	85	Log	11	76	Black Spruce	Low	Variable	Sapling
Bigtooth Aspen	5	Pole	8					
White Pine	10	Log/Pole	11					

This was a portion of the red pine stand to the east and to the west, but it was not thinned with the red pine to the east and west to protect a goshawk nest. The red pine to the east and west was thinned and this was not.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>139</b>	6127 - Lowland Pine	Sawtimber Medium	2.4	121	81-110	N/A	The southern half of this higher ground stand is dominated by large white pine. The northern portion was harvested around 1992 and is mostly pole sized aspen, red maple, and white pine.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
White Pine		50	XLog/Log/Pole	22	121	White Pine		
Northern White Cedar		20	Log/Pole	10		Black Spruce		
Black Spruce		5	Pole/Sapling	6		Beech		
Quaking Aspen		20	Pole/Sapling	5		Red Maple		
Red Pine		2	XLog/Log	20				
Red Maple		3	Pole/Sap/Log	5				
<b>140</b>	4133 - Aspen, Mixed Pine	Sawtimber Medium	2.0	82	81-110	N/A	This stand was prescribed to be clear-cut with the stands to the east and west but this center portion was retained to protect a goshawk nest.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Black/Red (Hybrid) Oak		5	Log/Pole	11		White Pine		
Red Maple		5	Pole	8		Red Pine		
Bigtooth Aspen		65	Log	11	82			
White Pine		5	Log/Pole	11				
Red Pine		20	Log/Pole	10				
<b>141</b>	6112 - Lowland Aspen	Sapling Poor	7.4	2	Immature	N/A	There is not much growing in the long narrow portion of the stand. It can take 5 years or so for a population of black spruce to re-establish from seeds dropped by adjacent trees and seed already on the ground from the harvest.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Balsam Fir		20	Sapling	1				
Northern White Cedar		1	Pole/Log	9				
White Pine		1	XLog	30				
Red Pine		10	Pole/Log	9				
Black Spruce		5	Sapling	1				
Red Maple		18	Sapling	1	2			
Quaking Aspen		45	Sapling	1	2			
<b>142</b>	4119 - Mixed Northern Hardwoods	Sawtimber Well	12.6	84	81-110	N/A	Much of this stand sits on a moderate NE aspect slope. The NE third of the stand is on flat ground and sits at the base of the slope.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
White Pine		10	XLog	22		Balsam Fir		
Red Pine		5	Log/XLog	17		White Pine		
Red Maple		75	Log/Pole	12	84			
Black/Red (Hybrid) Oak		10	Log	15				
<b>143</b>	622 - Lowland Shrub	Nonstocked	0.9	0		No		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
<b>144</b>	6122 - Black Spruce	Poletimber Well	18.9	83	51-80	N/A	The trees are fairly spaced out with an even density of black spruce throughout.																																						
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<b>145</b>	6113 - Lowland Maple	Poletimber Well	1.1	28	1-50	N/A	The age is an estimate due to the small size of the stand. This stand is low ground but harvesting should be feasible in the future.																																						
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<b>146</b>	622 - Lowland Shrub	Nonstocked	1.4		Immature	No																																							
<b>147</b>	42210 - Natural Red Pine	Poletimber Well	0.9	121	51-80	N/A	This is a ridge with mainly old scattered red pine. There is a very open understory.																																						
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<b>148</b>	6120 - Lowland Cedar	Sawtimber Well	5.8	110	141-170	N/A	This stand has less stable, more mucky soil, lower quality cedar, and a less consistent density of cedar than the stands to the north and west. The majority of the cedar in this stand is larger in diameter on average than cedar in adjacent stands. This stand is too wet to harvest.																																						
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<b>149</b>	122 - Road/Parking Lot	Nonstocked	2.8	0		No	This is South Ward Branch Road.																																						
<b>150</b>	42200 - Natural White Pine	Sawtimber Well	0.5	121	81-110	N/A	This is a remnant pocket of large white pine and red pine.																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
<b>151</b>	6131 - Hemlock, White Pine, Maple, Birch	Poletimber Well	6.6	50	51-80	N/A	This stand saw a species removal harvest with the surrounding stands around 1972 but is separated out due to having lower ground.																																									
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<b>152</b>	122 - Road/Parking Lot	Nonstocked	1.8			No	This is South Ward Branch Road.																																									
<b>153</b>	42320 - Upland Spruce	Poletimber Poor	4.9	60	1-50	N/A	This stand is pole size black spruce along a lowland edge flanked by sparse trees in an upland herbaceous like area.																																									
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<b>154</b>	42340 - Upland Spruce/Fir	Poletimber Poor	1.7	70		N/A	Stagnant cedar with spruce along the edge of the stand. Heavy cattails and tag alder in the understory.																																									
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<b>155</b>	6122 - Black Spruce	Poletimber Medium	10.3	57	1-50	N/A	This stand is too wet to harvest.																																									
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<b>156</b>	6112 - Lowland Aspen	Sawtimber Well	9.5	84	81-110	N/A	There is a scattering of lowland shrub/low density tree areas throughout this stand.																																									
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<b>158</b>	4130 - Aspen	Poletimber Well	16.0	50	51-80	N/A	All trees with the exception of red pine, white pine, and oak were harvested from this stand in 1972. It looks like 3 different stands in the aerial imagery, but it should all be managed together. The south portion is aspen dominate. The central portion has a higher component of red pine and white pine. The north portion has a higher component of red oak with some pine to the east. Aspen and red maple that regenerated from the last harvest are present throughout. Aspen dominates the southern third of the stand.  Records indicate that all aspen, red maple, and paper birch with a merchantable stick were harvested from this stand in a timber sale that was completed in September of 1972.																																																				
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<b>159</b>	4112 - Maple, Beech, Cherry Association	Poletimber Well	7.7	48	51-80	N/A	The northern half of this stand, bordering private property, is log size trees that were not harvested with the pole size maple in the southwest portion of this stand. The northern portion is has an estimated year of origin of 1938. There is minimal to no understory in the stand. The red and sugar maple are of poor quality. The forest floor is dominated by stiff clubmoss. Records show that all aspen, red maple, and paper birch with a merchantable stick were harvested from this quarter-quarter in a sale completed in 1974.																																																				
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<b>160</b>	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	3.3	76	81-110	N/A	The southern half of this stand is lowland area with pole size timber.																																																				
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<b>161</b>	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Medium	7.3	88	51-80	N/A	The west leg of this stand was visited in May 2022. Due to difficulty of access (wet/windthrow) a remote call was done. Based on aerial imagery and adjacent stands visited, much of this stand is likely too wet to harvest.																																																				
<b>162</b>	6122 - Black Spruce	Sawtimber Medium	2.0	77	51-80	N/A	From the stand edge, the soil in this stand appeared to be saturated with areas of standing water throughout when visited in May 2022. This stand is too wet to harvest.																																																				
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<b>163</b>	6126 - Lowland Jack Pine	Sapling Medium	3.4	18	Immature	N/A	This is a bog with a layer of regenerating jack pine saplings. This stand is too wet to harvest.  All aspen, jack pine, and red maple were harvested from this stand in a sale completed in October of 2007. Timber Sale Name: Bear Jack Removal; Timber Sale Number: 54-025-04-01.																																																				
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<b>164</b>	6126 - Lowland Jack Pine	Poletimber Poor	0.9	30	1-50	N/A	Standing water in areas throughout the stand. This is essentially a treed bog with over 25 percent canopy cover.																																									
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<b>165</b>	6127 - Lowland Pine	Poletimber Poor	1.7	30	1-50	N/A	The needles on the red pine are thinning and the red pine appear to be unhealthy due to over saturated soil. This stand is too wet to harvest. All aspen, jack pine, and red maple were harvested from this stand in a sale completed in October of 2007. Timber Sale Name: Bear Jack Removal; Timber Sale Number: 54-025-04-01.																																									
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<b>166</b>	4130 - Aspen	Sapling Well	1.0	18	Immature	N/A	There are a few remnant log size white pine and oak present. This was part of a larger harvest. This pocket of regeneration is highly aspen dominate.																																									
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<b>167</b>	42210 - Natural Red Pine	Sawtimber Well	1.8	71	51-80	N/A	This stand was harvested with the surrounding stand but not much was taken. This stand remained log size. All aspen, jack pine, and red maple were harvested from this stand in a sale completed in October of 2007. Timber Sale Name: Bear Jack Removal; Timber Sale Number: 54-025-04-01.																																									
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<b>168</b>	42210 - Natural Red Pine	Sawtimber Medium	3.8	103	81-110	N/A	This is a naturally regenerated remnant red pine stand.																																									
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<b>169</b>	6122 - Black Spruce	Poletimber Medium	3.2	63	51-80	N/A	This stand is borderline too wet to harvest. A higher ground pocket east and central in the stand has larger timber but the majority of the stand has smaller pole sized black spruce that is not desirable for harvest at this time.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
<b>170</b>	6127 - Lowland Pine	Sawtimber Poor	2.7	60	1-50	N/A	This stand is too wet to harvest. This is basically a somewhat heavily treed bog. The soil in this stand was saturated with areas of standing water throughout when visited in May 2022.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Jack Pine		25	Pole/Log	8		Jack Pine		Low	Variable	Sapling
White Pine		5	Log/Pole	12		White Pine		Low	Variable	Sapling
Red Pine		70	Log/Pole	11	60	Leatherleaf		Full	< 5 feet	Tall Shrub
						Red Pine	Low	Variable	Sapling	
<b>171</b>	42290 - Natural Mixed Pine	Poletimber Well	3.4	35	51-80	N/A	This stand was part of the harvest to the east but came back dominate to conifer.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>					
White Pine		30	Pole/Log/Sap	8	35					
Jack Pine		23	Pole	7						
Balsam Fir		23	Pole/Sapling	5						
Red Pine		13	Pole/Log/Sap	8						
Black Spruce		3	Pole/Sapling	5						
Red Maple		8	Pole/Sapling	5	35					
<b>172</b>	622 - Lowland Shrub	Nonstocked	6.3		Immature	No	For all intensive management purposes, this is lowland shrub.			
<b>173</b>	6113 - Lowland Maple	Sapling Medium	1.1	18	Immature	N/A	This stand is a bog with most area being dominated with red maple saplings.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Paper Birch		20	Sapling	3		Leatherleaf		Full	< 5 feet	Tall Shrub
Red Maple		80	Sapling	2	18					
<b>174</b>	622 - Lowland Shrub	Nonstocked	1.8		Immature	No				
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>					
Red Maple		4	Sapling	3						
Bigtooth Aspen		96	Sapling	3	34					
<b>175</b>	622 - Lowland Shrub	Nonstocked	1.5		Immature	No				
<b>176</b>	6122 - Black Spruce	Poletimber Medium	4.2	58		N/A				
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Pine		5	Log/Pole	10		White Pine		Low	Variable	Sapling
Jack Pine		5	Pole	8		Leatherleaf		Medium	< 5 feet	Tall Shrub
Black Spruce		75	Pole/Sapling	7	58	Labrador Tea		Medium	< 5 feet	Tall Shrub
White Pine		15	Log/XLog	16		Black Spruce		Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>177</b>	4311 - Pine, Aspen Mix	Sawtimber Medium	4.8	82	51-80	N/A	
Canopy Species	% Cover	Size Class	DBH	Age			
Red Maple	5	Log/Pole	12				
Black Spruce	18	Pole	7	58			
White Pine	35	Log/Pole/XLog	12				
Jack Pine	2	Log/Pole	10				
Paper Birch	5	Pole/Log	9				
Bigtooth Aspen	35	Log	12	82			
Sub-Canopy Species	Density	Avg. Height	Size				
Balsam Fir	Trace	Variable	Sapling				
White Pine	Medium	Variable	Sapling				
Red Maple	Low	Variable	Sapling				
Jack Pine	Trace	Variable	Sapling				
Black Spruce	Low	Variable	Sapling				
<b>178</b>	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Poor	2.1	82	1-50	N/A	This stand is too wet to harvest.
Canopy Species	% Cover	Size Class	DBH	Age			
Red Maple	35	Log	12				
Balsam Fir	10	Pole/Log	8				
Black Spruce	20	Pole/Log	8				
Quaking Aspen	35	Log	11	82			
Sub-Canopy Species	Density	Avg. Height	Size				
Black Spruce	Low	Variable	Sapling				
Red Maple	Medium	Variable	Sapling				
Tag Alder	Medium	5 - 10 feet	Tall Shrub				
Balsam Fir	Low	Variable	Sapling				
Blueberry/Bilberry/Cranberry	High	5 - 10 feet	Tall Shrub				
Leatherleaf	Low	5 - 10 feet	Tall Shrub				
Dogwood (spp.)	Medium	5 - 10 feet	Tall Shrub				
<b>179</b>	6126 - Lowland Jack Pine	Poletimber Well	1.4	40	51-80	N/A	This is lowland jack pine/black spruce in a bog like setting.
Canopy Species	% Cover	Size Class	DBH	Age			
Black Spruce	40	Pole	7				
Jack Pine	60	Pole/Log	8	40			
Sub-Canopy Species	Density	Avg. Height	Size				
Black Spruce	Low	< 5 feet	Sapling				
<b>180</b>	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	2.2	60	1-50	N/A	This is too wet to harvest. There is slightly too much tree cover to be called lowland shrub.
Canopy Species	% Cover	Size Class	DBH	Age			
Balsam Fir	30	Pole/Log	8				
Quaking Aspen	35	Log/Pole	11	60			
Black Spruce	5	Pole/Sapling	6				
Red Maple	30	Pole	8				
Sub-Canopy Species	Density	Avg. Height	Size				
Red Maple	High	Variable	Sapling				
Tag Alder	High	5 - 10 feet	Tall Shrub				
Dogwood (spp.)	Medium	5 - 10 feet	Tall Shrub				
<b>181</b>	4133 - Aspen, Mixed Pine	Sawtimber Poor	3.4	72	1-50	N/A	This is a log/pole sized low quality aspen stand with dispersed trees.
Canopy Species	% Cover	Size Class	DBH	Age			
White Pine	5	Log/Pole	12				
Jack Pine	15	Pole/Sapling	5				
Red Maple	5	Pole/Sapling	7				
Bigtooth Aspen	75	Log/Pole	10	72			
Sub-Canopy Species	Density	Avg. Height	Size				
Jack Pine	Low	Variable	Sapling				
White Pine	Low	Variable	Sapling				
Balsam Fir	Low	Variable	Sapling				
<b>182</b>	6224 - Treed Bog	Nonstocked	2.4		Immature	No	This bog held much water when visited in April of 2022.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
<b>184</b>	6112 - Lowland Aspen	Poletimber Well	10.7	37	51-80	N/A	There is some upland area to the west but the stand is mostly lowland.																																																	
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<b>185</b>	6113 - Lowland Maple	Sapling Well	4.8	37	1-50	N/A	The southern half of this stand was likely part of a 70 acre harvest in the NW QQ of Section 13 that was completed in November of 1985; Timber Sale Name: Humiture 96 Block; Timber Sale No: 54-058-84-01.																																																	
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<b>186</b>	4130 - Aspen	Sawtimber Medium	4.2	84	51-80	N/A	The northern third of this stand is lowland. This stand was part of a 70 acre harvest in the NW Quarter of Section 13 that was completed in November of 1985; Timber Sale Name: Humiture 96 Block; Timber Sale No: 54-058-84-01.																																																	
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<b>190</b>	6225 - Bog	Nonstocked	1.3			No																																																		
<b>194</b>	6120 - Lowland Cedar	Poletimber Well	2.7	93	171-200	N/A	The trail through this stand is cut over cedar that has not yet regenerated. The trail was used to forward wood for hauling. This cedar stand is too wet to harvest.																																																	
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<b>195</b>	6122 - Black Spruce	Poletimber Poor	1.5	75	51-80	N/A	This stand is very wet throughout and is too wet to harvest. This stand is very consistent in composition and density and is back spruce dominate.																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**196** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Poor 7.6 65 1-50 N/A This stand had standing water throughout in May 2022. Trees were growing out of hummock. This stand is too wet to harvest and undesirable for harvest due to the low timber volume.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	15	Pole	8		Tamarack	Low	< 5 feet	Sapling
Paper Birch	10	Sapling/Pole	4		Balsam Fir	Low	Variable	Sapling
Black Spruce	30	Pole/Sapling	6		Tag Alder	Full	5 - 10 feet	Tall Shrub
Tamarack	35	Pole/Log	8	65	Black Spruce	Low	Variable	Sapling
Red Maple	10	Pole/Sapling	6					

**197** 6112 - Lowland Aspen Poletimber Well 0.8 30 Immature N/A This is borderline upland.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	63	Pole/Sapling	5	30	Balsam Fir	Medium	Variable	Sapling
Red Maple	20	Pole/Sapling	5					
Balsam Fir	10	Pole/Sapling	5					
Paper Birch	7	Sapling/Pole	4					

**199** 6124 - Lowland Spruce-Fir Poletimber Medium 2.3 30 51-80 N/A This area is wet, probably harvestable, but blocked by low wet ground and private land.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	20	Pole/Sapling	5		Red Maple	Low	Variable	Sapling
Red Maple	35	Pole/Sapling	6	30	Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Spruce	35	Pole/Sapling	6		Labrador Tea	High	< 5 feet	Tall Shrub
Tamarack	5	Pole	8		Black Spruce	Medium	Variable	Sapling
Paper Birch	5	Pole	7					

**201** 4134 - Aspen, Spruce/Fir Sawtimber Well 4.5 84 81-110 N/A There are large diameter aspen in this stand. The west 2/3 of the stand is higher ridge. The east 1/3 is upland but lower ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole	7		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	20	Pole/Log	8					
Bigtooth Aspen	50	Log	15	84				
Red Maple	20	Log/Pole	12					

**202** 6122 - Black Spruce Poletimber Well 3.6 99 51-80 N/A There is a pocket of cedar in the SW corner. There is a clear change from northern white cedar to black spruce at the north edge of this stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	88	Pole/Sap/Log	7	99	Black Spruce	Low	Variable	Sapling
Northern White Cedar	10	Log	12		Labrador Tea	Medium	< 5 feet	Tall Shrub
White Pine	1	XLog	22					
Red Pine	1	XLog	22					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>203</b>	6113 - Lowland Maple	Poletimber Well	7.5	35	1-50	N/A	There is a high density of red maple saplings in the western half of this stand. This stand is too wet to harvest.	
Canopy Species		% Cover	Size Class	DBH	Age			
Red Maple		90	Pole/Sap/Log	5	35			
Quaking Aspen		5	Log	11				
Paper Birch		5	Pole	6				

<b>204</b>	622 - Lowland Shrub	Nonstocked	2.6		Immature	No	
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<b>205</b>	6112 - Lowland Aspen	Poletimber Medium	2.6	51	51-80	N/A	This stand was harvested with the surrounding stand in 1972. The lack of white pine for retention and a high density of aspen makes this stand significantly different than the surrounding stand. Legacy red pine and white pine exist in this stand.	
Canopy Species		% Cover	Size Class	DBH	Age			
Balsam Fir		20	Pole/Sapling	6		Sub-Canopy Species		
Red Pine		2	XLog/Log	19		Density		Avg. Height
Red Maple		15	Pole/Sapling	6		Medium		Variable
Quaking Aspen		62	Pole/Log	9	51	Low		Variable
White Pine		1	XLog	26		Size		
						Sapling	Sapling	

<b>206</b>	42200 - Natural White Pine	Sawtimber Well	9.2	69	81-110	N/A	White pine are present in even amounts in all size classes. Large white pine are present throughout this stand with a concentration in the southeast portion.  (Records show that all aspen, red maple, oak, and paper birch with a merchantable stick were harvested from this stand, with the exception of 1 oak every 200 feet, in a sale that was closed out in December of 1972. There was no oak found in the stand during the 2024 YOE inventory.)	
Canopy Species		% Cover	Size Class	DBH	Age			
White Pine		75	Log/Pole/XLog	15	69	Sub-Canopy Species		
Red Maple		5	Log/Pole	12		Density		Avg. Height
Bigtooth Aspen		20	Log/Pole	12		Low		Variable
						Medium	Variable	
						Size		
						Sapling		

<b>207</b>	622 - Lowland Shrub	Nonstocked	1.8		Immature	No	
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<b>208</b>	429 - Mixed Upland Conifers	Sawtimber Well	5.0	69	81-110	N/A	Records show that all aspen, red maple, oak, and paper birch with a merchantable stick were harvested from this stand, with the exception of 1 oak every 200 feet, in a sale that was closed out in December of 1972.	
Canopy Species		% Cover	Size Class	DBH	Age			
White Pine		30	Log/Pole/XLog	16	69	Sub-Canopy Species		
Black Spruce		20	Pole	7		Density		Avg. Height
Red Maple		20	Pole/Log	8		Medium		Variable
Balsam Fir		30	Pole/Sap/Log	7		Low		Variable
						Size		
						Sapling		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
<b>209</b>	4319 - Mixed Upland Forest	Sawtimber Well	12.3	48	81-110	N/A	The current condition of the stand indicates that all species were removed from this stand, with the exception of white pine and trace hemlock, around 1972, as records indicate. The white pine are very large and old with many many white pine approaching legacy characteristics. Legacy white pine are scattered throughout. The stand is very bumpy, almost like the white pine are growing on old raised tip-up mounds. The stand held water in a mosaic of small closely spaced pockets throughout, in April of 2022, but this stand was still considered upland. (Records show that all aspen, red maple, oak, and paper birch with a merchantable stick were harvested from this stand, with the exception of 1 oak every 200 feet, in a sale that was closed out in December of 1972. There was no oak found in the stand during the 2024 YOE inventory. Conditions on the ground indicate that aspen and paper birch did not have a presence in the stand during the last harvest.)		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Hemlock	1	Log/Pole	12		Red Maple	High		>20 feet	Sapling
Red Maple	59	Pole/Sapling	5	48	Balsam Fir	Medium		Variable	Sapling
White Pine	40	XLog/Log	18	121	White Pine	Low		Variable	Sapling
<b>210</b>	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	11.9	80	1-50	N/A	This stand is wet throughout with a small higher ground island to the northwest. Timber is small in diameter, low in volume, and of poorer quality. In addition, this stand is too wet to harvest. This stand was flooded with minimal high ground in April 2022. The stand was impassible without swamper.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Poplar	15	Pole	8		Tag Alder	Full		5 - 10 feet	Tall Shrub
Red Maple	40	Log/Pole	12	80					
Balsam Fir	15	Pole/Sapling	5						
Black Spruce	10	Pole/Sapling	6						
Northern White Cedar	15	Pole/Sapling	7						
<b>211</b>	6113 - Lowland Maple	Poletimber Well	3.3	48	1-50	N/A	This is a lowland pocket that regenerated to red maple. This stand was likely harvested with the aspen stand to the north.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	5	Pole/Sapling	6		Red Maple	Medium		Variable	Sapling
Red Maple	93	Pole/Sapling	6	48	Tag Alder	Low		5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	2	Log	16		Balsam Fir	Medium		Variable	Sapling
<b>212</b>	42260 - Natural Pine, Mixed Deciduous	Sawtimber Medium	2.3	65	51-80	N/A	This whole stand may be an old dump covered with soil.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	40	Log/Pole	12	65	Jack Pine	Low		Variable	Sapling
White Pine	30	Log/Pole	11		White Pine	Low		Variable	Sapling
Jack Pine	30	Log/Pole	11						
<b>213</b>	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	16.0	85	81-110	N/A	There is patchy areas of aspen, red pine, and red maple throughout stand. There is a consistent density of white pine and oak throughout the stand. Pine size and density is variable.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	20	Log	13		Balsam Fir	Low		Variable	Sapling
Red Pine	10	Log	12		White Pine	Low		Variable	Sapling
Red Maple	20	Pole	8						
White Pine	30	Log/Pole/XLog	14	85					
Black/Red (Hybrid) Oak	20	XLog/Log	18						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
<b>214</b>	4133 - Aspen, Mixed Pine	Poletimber Well	5.6	79	111-140	N/A	This is an older aspen stand with varying densities of pole and log sized red pine mixed in.																																											
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<b>215</b>	42210 - Natural Red Pine	Sawtimber Well	11.0	74	141-170	N/A	2024 YOE Inventory BA Measurements: (150, 140, 180, 180). All BA measurements were taken in the northern 2/3 of the stand where red pine is dominate. There is about a 20% live crown ratio where red pine is dominate.  Patchy areas of aspen exist in the southern half of the stand. Records indicate that all aspen and mixed hardwoods with a merchantable stick were harvested from the western half (plus some) of this stand in a sale that was completed around 1972.																																											
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<b>216</b>	622 - Lowland Shrub	Nonstocked	3.4		Immature	No																																												
<b>217</b>	6127 - Lowland Pine	Sawtimber Poor	3.7	60	1-50	N/A	This stand is too wet to harvest. This is basically a somewhat heavily treed bog. The soil in this stand was saturated with areas of standing water throughout when visited in May 2022.																																											
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<b>218</b>	4131 - Aspen, Oak	Sawtimber Well	39.3	50	51-80	N/A	Scattered large oak with oak and aspen in the understory. Records indicate that all aspen, red maple, and paper birch with a merchantable stick were harvested from this stand in two timber sales that were completed in 1971/1972. Aging the aspen verifies this. The aspen are suppressed by the oak in most places and therefore have small diameters for their age.																																											
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<b>219</b>	4130 - Aspen	Poletimber Well	12.7	50	81-110	N/A	This stand was harvested with the stand to the north but was divided out due to the lesser amount of oak in the overstory. The diameter of the oak is based on the diameter of the oak stump sprouts that regenerated along with the aspen. Larger log sized oak retained during the last harvest make up about 5 percent of the oak present.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>220</b>	4130 - Aspen	Poletimber Well	4.4	50	81-110	N/A	This stand was harvested with the stand to the south but was divided out due to the lesser amount of oak in the overstory. The diameter of the oak is based on the diameter of the oak stump sprouts that regenerated along with the aspen. Larger log sized oak retained during the last harvest make up about 5 percent of the oak present.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Black/Red (Hybrid) Oak		15	Log/XLog/Pole	12		Balsam Fir		Low
Red Maple		5	Pole/Sapling	5		Red Maple		Medium
Bigtooth Aspen		80	Pole	8	50		Sapling	
<b>221</b>	4319 - Mixed Upland Forest	Sawtimber Well	2.3	55	51-80	N/A	There is a lowland drainage that lines the southwest edge of the stand. This lowland drainage is dominated by cedar.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Paper Birch		5	Pole	7		Balsam Fir	High	
Northern White Cedar		5	Log/Pole	10			Variable	
Quaking Aspen		25	Log	12			Sapling	
Balsam Fir		40	Pole/Log/Sap	8	55			
Red Maple		25	Pole/Log	8				
<b>222</b>	4133 - Aspen, Mixed Pine	Sapling Well	3.8	35	1-50	N/A	This stand was likely harvested with the stand to the SW. Due to the adjacent lowland and pine dominate stands, this stand was divided out. The age on this stand was a few years younger than that to the stand to the SW. The white pine in this stand are through the center and are smaller in diameter than the white pine in the stand to the SW.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Bigtooth Aspen		35	Sapling/Pole	4	35			
Quaking Aspen		20	Sapling/Pole	4	35			
Red Maple		20	Sapling	3				
Black Spruce		5	Pole	6				
White Pine		20	Log/Pole	11				
<b>223</b>	4130 - Aspen	Sapling Well	5.5	35	1-50	N/A	This stand was is estimated to be a little younger than the stand to the north and is more aspen dominate.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Bigtooth Aspen		75	Sapling/Pole	4	35			
Red Maple		10	Sapling	3				
White Pine		10	Pole	8				
Jack Pine		5	Pole/Sapling	5				
<b>224</b>	4130 - Aspen	Sawtimber Well	29.4	85	81-110	N/A	This stand has a component of lower quality sugar maple in the northern half of the stand. A few legacy type pine and oak are present. The aspen are large and of moderate quality.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Sugar Maple		5	Log	12		Beech		Trace
Red Maple		15	Pole/Log	8		Red Pine		Low
White Pine		1	XLog/Log	18		White Pine		Low
Balsam Fir		1	Log/Pole	10		Sugar Maple		High
Bigtooth Aspen		63	Log	13	85	Balsam Fir		Low
Red Oak		15	XLog/Log	20				Variable
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
<b>225</b>	6112 - Lowland Aspen	Sapling Well	0.9	10	Immature	N/A	This stand is too wet to harvest. There is lowland shrub throughout. Older aspen and balsam fir can be found on the west side of the road and sapling sized aspen and red maple are dominate amongst the lowland shrub on the east side of the road.																																						
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<b>226</b>	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	0.8	65	1-50	N/A	This stand is too wet to harvest.																																						
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<b>227</b>	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Medium	2.9	120	51-80	N/A	This stand is too wet to harvest.																																						
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<b>228</b>	42200 - Natural White Pine	Sawtimber Well	3.4	69	81-110	N/A	White pine are present in even amounts in all size classesRecords show that all aspen, red maple, oak, and paper birch with a merchantable stick were harvested from this stand, with the exception of 1 oak every 200 feet, in a sale that was closed out in December of 1972.																																						
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<b>229</b>	622 - Lowland Shrub	Nonstocked	0.7		Immature	No																																							
<b>230</b>	42290 - Natural Mixed Pine	Sawtimber Well	6.4	110	81-110	N/A	This is a long narrow ridge of high ground red pine and jack pine. There is a lowland drainage at the north end of the stand just south of where the stand becomes wider.																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**231**      4311 - Pine, Aspen Mix      Sawtimber Medium      7.3      82      51-80      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	25	Pole/Log	8		Black Spruce	Low	Variable	Sapling
Red Pine	10	Log/XLog	16		Red Pine	Low	Variable	Sapling
Black Spruce	10	Pole	8		White Pine	Low	Variable	Sapling
White Pine	5	Log	16					
Bigtooth Aspen	50	Log/Pole	11	82				

**232**      42290 - Natural Mixed Pine      Poletimber Well      1.8      28      1-50      N/A

This is a small stand, dominated by pine, that was likely harvested with the stand to the south.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	4	28
Jack Pine	20	Pole/Sapling	6	
Red Pine	20	Pole	8	
Balsam Fir	20	Sapling	3	
White Pine	20	Pole/Sapling	6	