



# Compartment Review Presentation

Gladwin Forest Management Unit

Compartment 73031

Entry Year 2026

Acreage: 4,246

County Gladwin

Management Area: Gladwin Lake Plain

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**Stand Examiner:** Colton Behrmann

**Legal Description:**

T20N R01E; Section 13-15, 22-27, 34 & 35

**Identified Planning Goals:**

The compartment is heavy to early successional species. Timber management for this 10-year planning period will focus on balancing the age-class distributions for aspen and red pine. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity. Expected trends in this 10-year planning period will be the continued need to address illegal off-road vehicle use, trash dumping and increased recreational pressure.

**Soil and topography:**

The soils are predominantly wet with 61% of them being somewhat poorly drained and 15% being poorly drained. In contrast 24% of the soils are well to excessively drained. Therefore, the soils are often very wet in the spring. However, they should dry out significantly during the summer and into the fall.

The terrain is generally flat with significant micro-relief except along the drainages and creeks that flow into the Tittabawassee River. These drainages are often bordered by steep banks along wet draws.

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

The state land is in one contiguous block with no inholdings.

The private lands are in small parcels along the Tittabawassee River to the east. These are mainly permanent or seasonal residences. On the west side of the compartment the private land holdings are in larger blocks and are used as permanent residences or recreational properties.

**Unique Natural Features:**

No Unique Natural Features known.

**Archeological, Historical, and Cultural Features:**

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

None

**Watershed and Fisheries Considerations:**

The Tittabawassee River makes up much of the eastern boundary of the compartment. This area is heavily fished and used for water recreation. In addition, many drainages and intermittent creeks flow through the compartment and into the Tittabawassee River. Any harvesting activity in this compartment needs to consider them when the timber sales are being set up.

**Wildlife Habitat Considerations:**

Wildlife Habitat Considerations: Compartment #31. Both upland and lowland systems are present, making it suitable for a number of wildlife species. The majority of stands are lowland cover types. Furbearers including beaver, mink, muskrat, black bear, bobcat, and coyote use the lowlands as corridors as well as year-round habitat. Game species likely to be present in this compartment include black bear, bobcat, raccoon, coyote, wood duck, wild turkey, ruffed grouse and white-tailed deer. Many bird species stand to benefit from the juxtaposition of lowland and upland habitats present in the compartment. These species include gray catbird, redbellied vireo, white-breasted nuthatch, tufted titmouse, black-capped chickadees, eastern kingbirds and northern flicker. The compartment is easily accessible to hunters via Cedar Lake Road, Mohawk Trail and Drummond Road.

**Mineral Resource and Development Concerns and/or Restrictions**

Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 100 and 200 feet. Beneath the glacial drift are the Pennsylvanian Grand River and Saginaw Formations. The Saginaw Formation is used for

clay/shale in other areas of the State. A gravel pit is located in Section 15, but potential appears limited. This compartment has had sparse exploration for oil and gas. The two well Secord Field, located two miles to the south, produced 12,000 BO from the Dundee between 1937 and 1941. There are currently no oil and gas leases in the compartment.

#### **Vehicle Access:**

Because of the drainages in the compartment, access is limited. Many of the trails were put in for logging activities and most were closed after the harvests were completed. Currently there are several trails that come off of Drummond Road that go to wildlife openings. There are also several trails that come off of Mohawk Trail. Most of the trails and two tracks go only a short way into the compartment before there is a gate or berm. These access points provide camping, parking, and hunting opportunities on the north, west, and south sides.

#### **Survey Needs:**

Multiple survey requests have been submitted this YOY for the compartment boundaries.

#### **Recreational Facilities and Opportunities:**

MCCT Trail runs along the northern boundary on County Roads. All recreational trail sign posts should be protected. The Midland to Mackinac Boy Scout Hiking Trail runs through the western third of the compartment. All recreational trail sign posts and blue marked trees along the trail should be protected. Part of headwaters to Middle Branch of Tittabawassee, Secord Lake and Indian Lake Creek provides water sport and hunting opportunities. Consider protecting the current road bed conditions and maintaining access for users.

#### **Fire Protection:**

There have been some problems in the past with wildfires. This is mainly because the compartment is accessible by boat from spring through fall; however access for fire equipment is limited. This combined with the forest cover types being mainly aspen and the presence of natural fuel breaks make the fire danger only moderate in this compartment.

#### **Additional Compartment Information:**

The compartment has a large complex of lowlands that beavers are using. This activity has influenced the aspen regeneration along the drainages. In addition, the beaver activity greatly affects the number of ponds present. These fluctuate frequently in number and in size. The management access road off of Drummond road (Eastern gate in Stand 12) needs road work to create a large, multi-phased road project in coordination with Wildlife division to access 200~ acres of land for future silvicultural activities. The area with no access is located at 20N 01E, Sec 23 E1/2SE, Sec 24 W1/2SW

#### **The following reports from the Inventory are attached:**

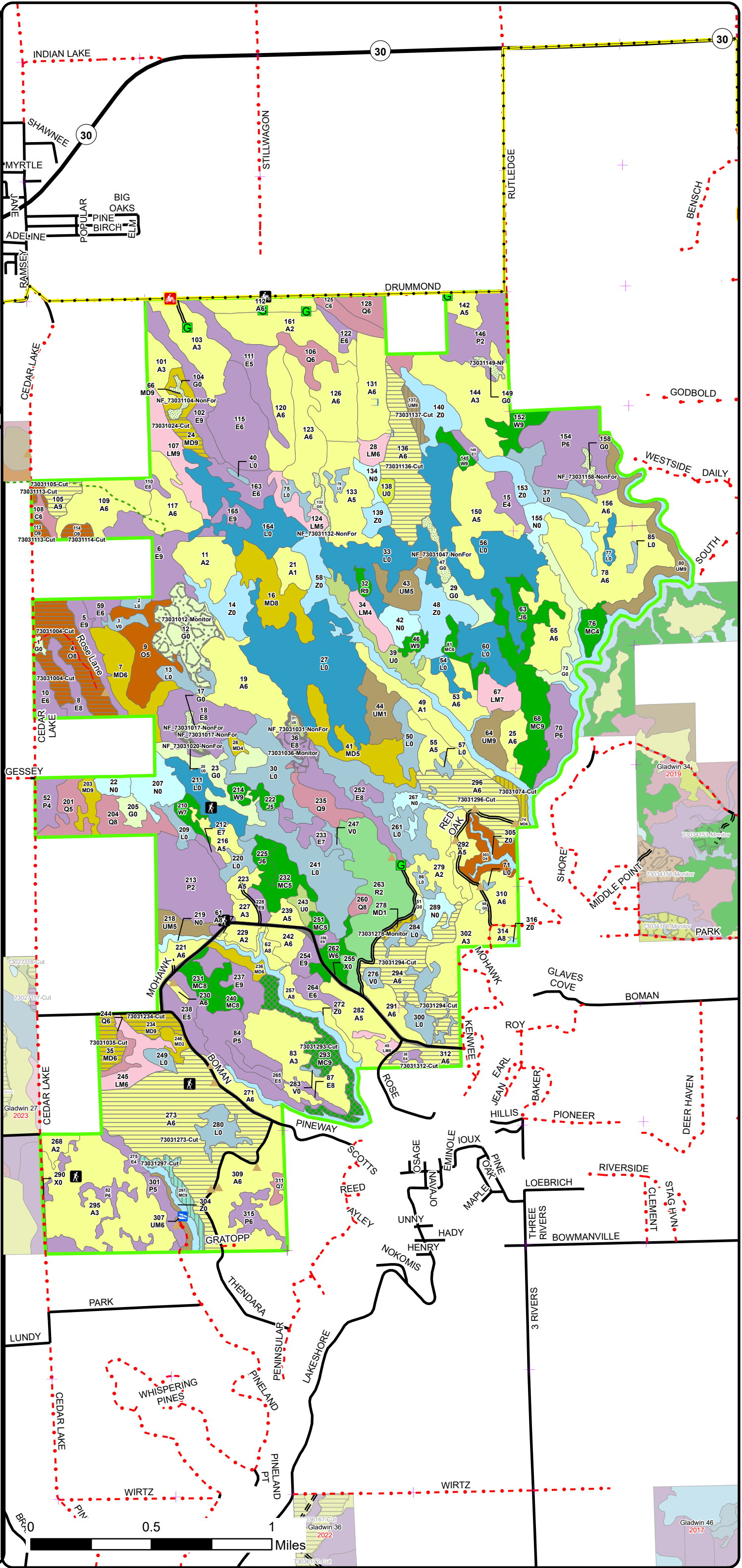
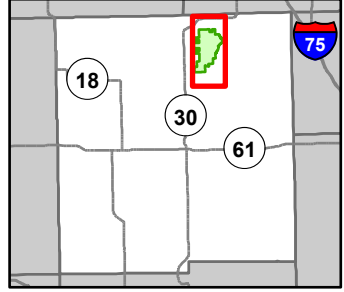
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

#### **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: 73031  
 T20N, R1E, Sec: 13-15, 22-27, 34, 35  
 County: Gladwin  
 Unit: Gladwin  
 Mgmt Area: Gladwin Lake Plain  
 YOE: 2026  
 Acres: 4245.9 GIS Calculated  
 Examiner: Colton Behrmann  
 Map Revised: 6/6/2024  
 Map Phase: Web Post



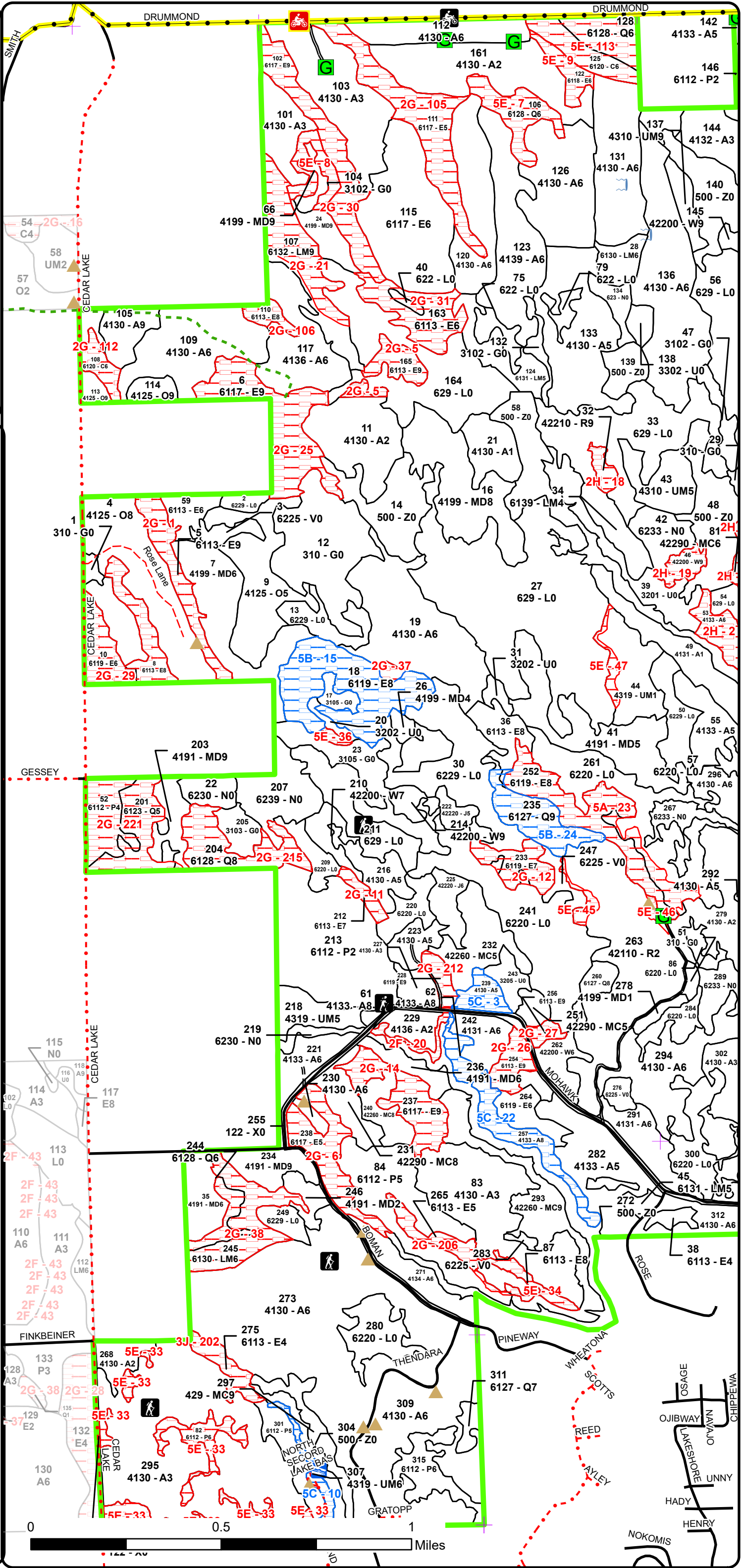
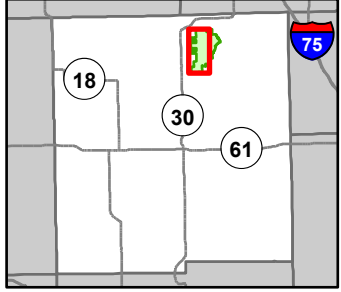
- Hiking Trails
- Motorcycle Trails (SOS License)
- MCCCT Trails
- Designated Hiking Trails
- ORV License
- Michigan Cross Country Cycle Trail (MCCCT)
- Remonumented Section Corners
- Berms
- Gate
- Boating Access Site
- Culvert
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Counties
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Regeneration Survey
- Shelter Wood (w/Reserves)
- Opening Maintenance
- Mowing
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland



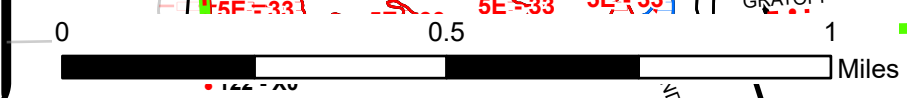


# Special Conservation Areas & Site Conditions Map

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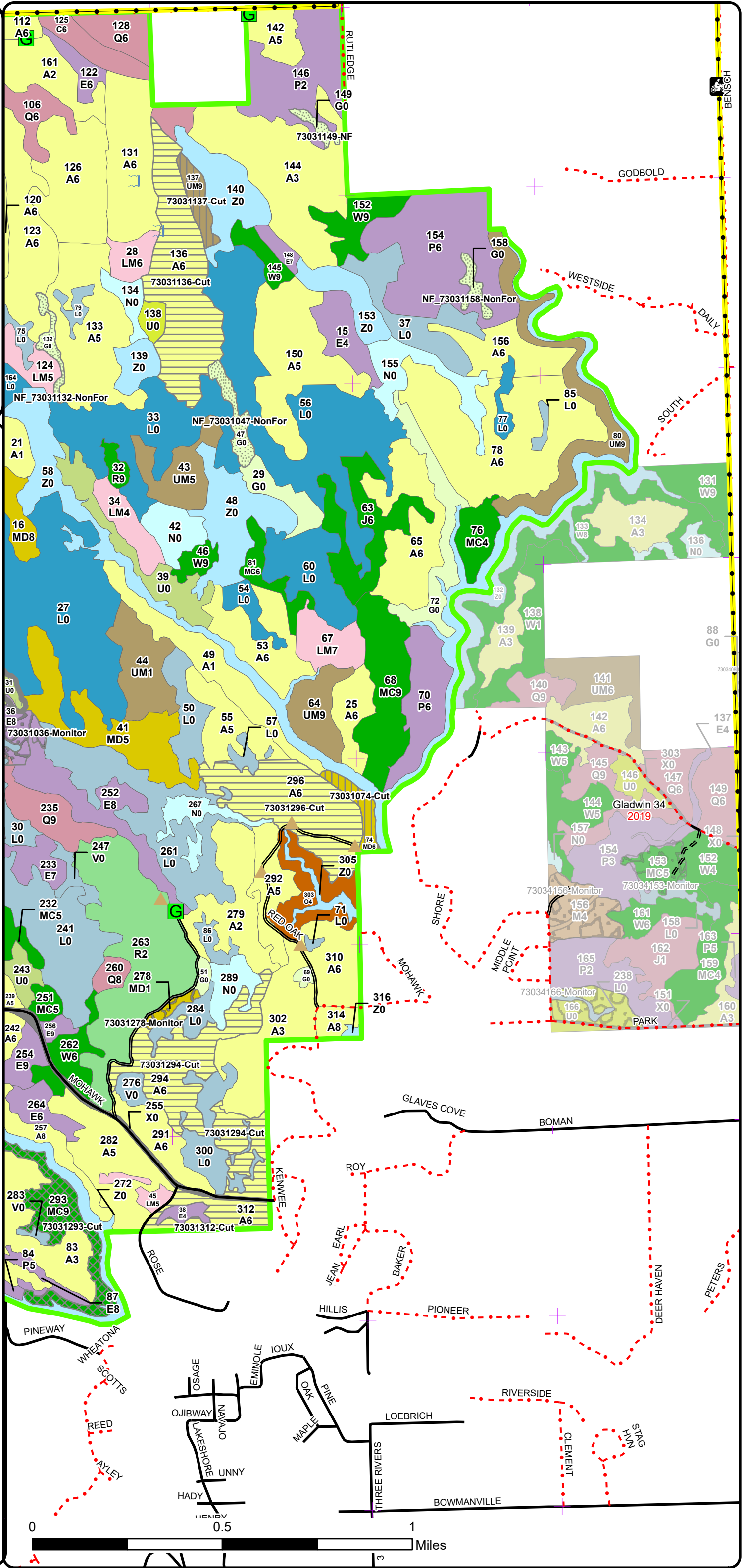
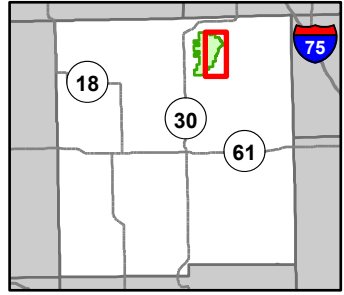


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  - Available w/ Constraints
  - Unavailable
- 5B: Maintain for regeneration purposes  
 5C: Delay treatment for age/size class diversity or exceptional site  
 2F: Too steep  
 2G: Too wet (sensitive soils, does not include access issues)  
 2H: Blocked by physical obstacle (e.g. upland stand in a lowland)  
 3J: Water quality / BMPs (stream, river, or lake)  
 5A: Not able to obtain desirable regeneration  
 5E: Long-Term Retention  
 Unavailable  
 Stand Boundaries

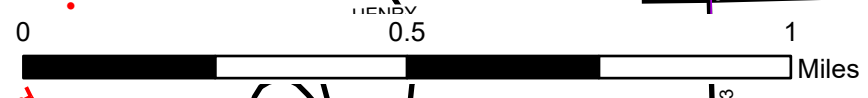


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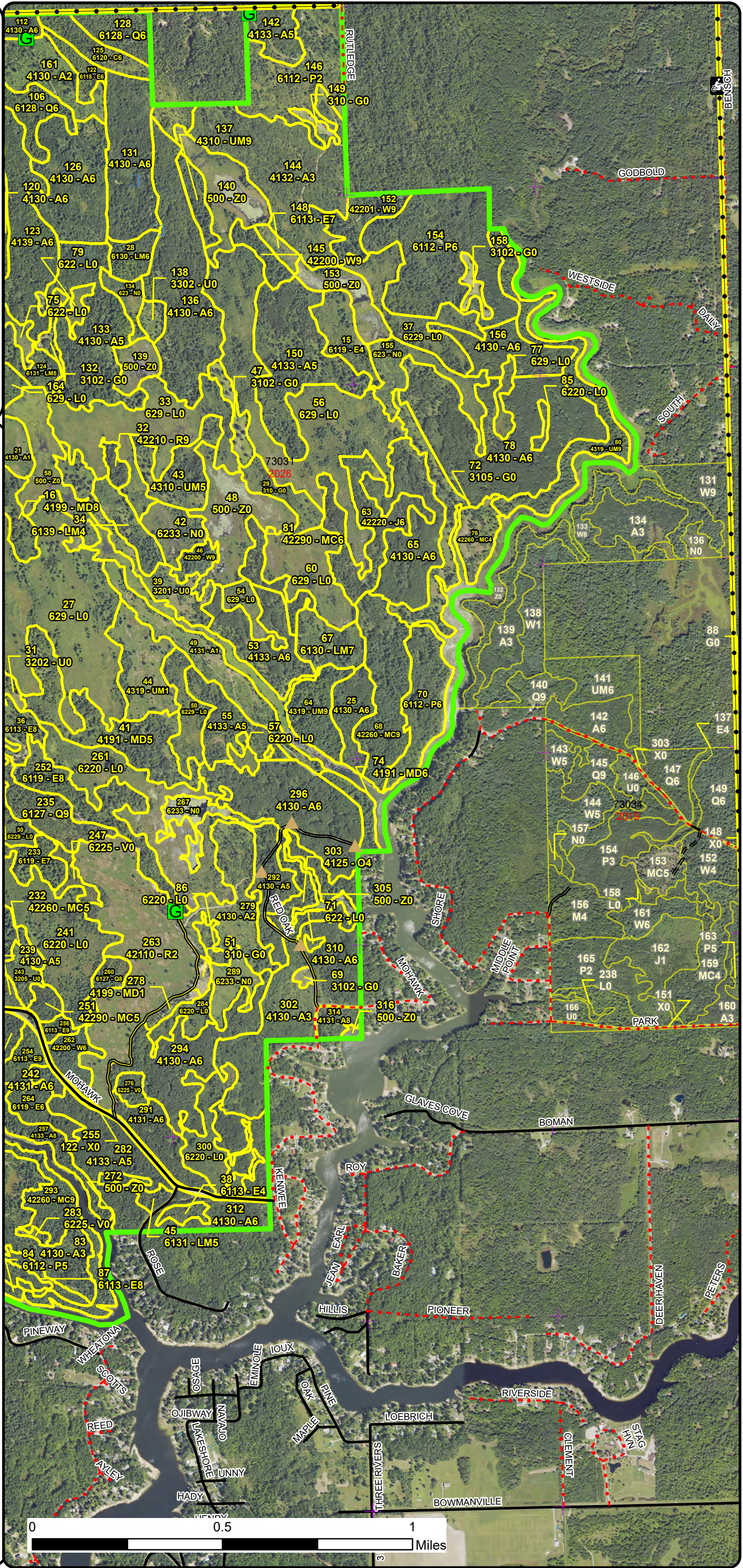
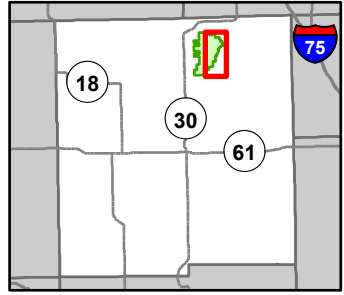


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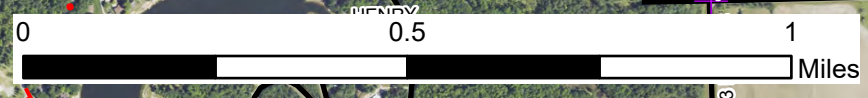


Stand Boundary Map

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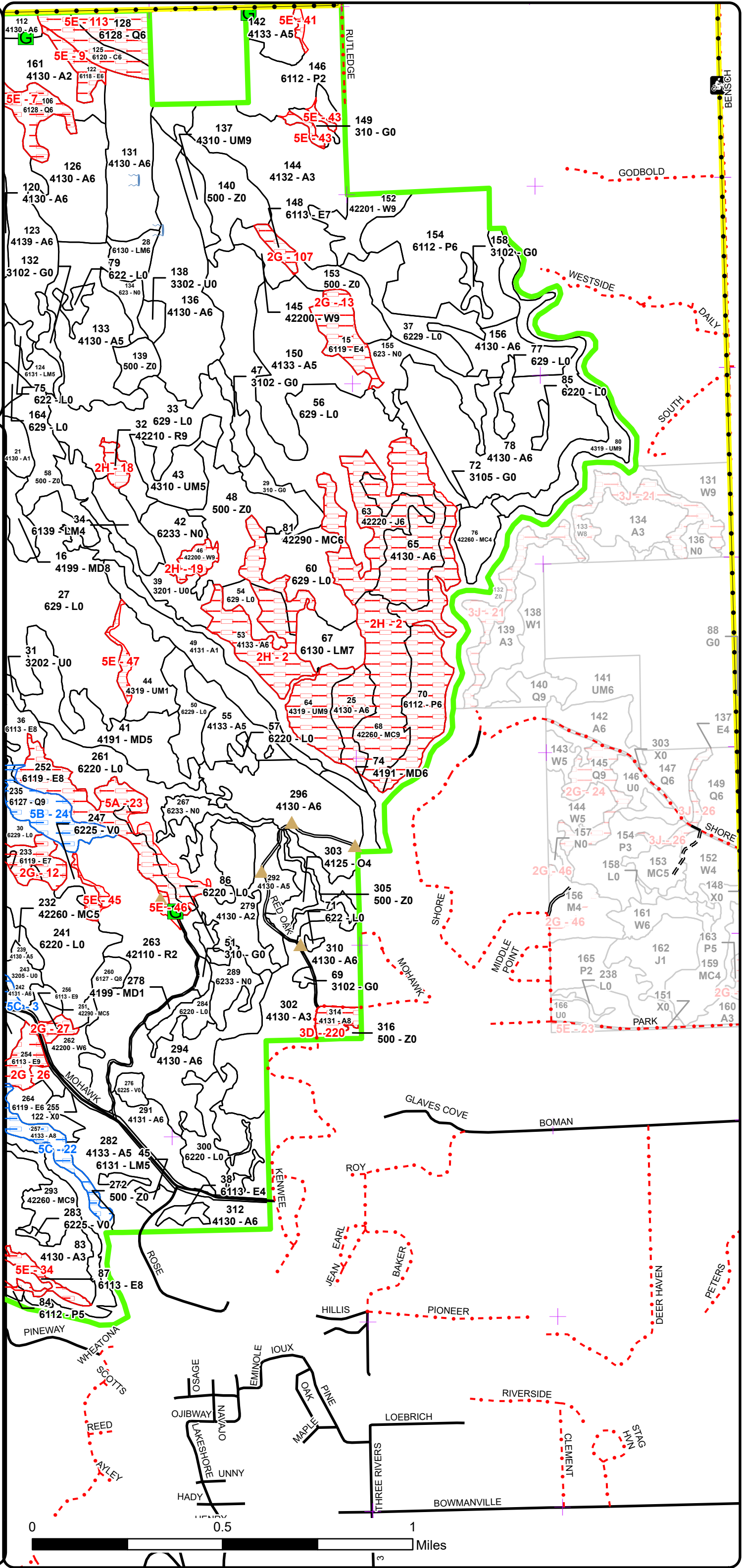
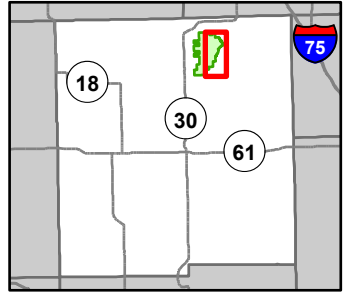
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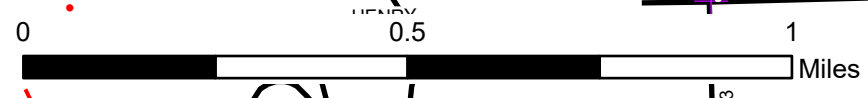


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- 5B: Maintain for regeneration purposes
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- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland)
- 3D: Recreational / Scenic values
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention
- Stand Boundaries



# Report 1 – Total Acres by Cover Type and Age Class

Gladwin Mgt. Unit

Compartment 31

Year of Entry 2026

Colton Behrmann : Examiner



## Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	402	190	629	229	57	11	5	21	0	0	0	0	0	0	0	0	1543
Bog	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Cedar	0	0	0	0	0	0	0	0	0	0	0	6	0	16	0	0	0	0	22
Herbaceous Openland	136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136
Jack Pine	0	0	0	0	0	35	4	0	0	0	0	0	0	0	0	0	0	0	39
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	36	58	0	119	45	0	0	0	14	0	0	0	0	0	0	0	0	272
Lowland Conifers	0	0	0	0	0	23	4	0	6	12	34	0	0	0	0	0	0	14	93
Lowland Deciduous	0	0	0	0	62	16	12	0	12	161	120	0	0	0	0	0	0	28	411
Lowland Mixed Forest	0	0	0	0	13	13	11	0	20	0	28	0	0	0	0	0	0	14	99
Lowland Shrub	606	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	606
Marsh	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83
Mixed Upland Deciduous	0	0	9	3	7	89	0	0	73	0	0	0	0	0	0	0	0	0	181
Natural Mixed Pines	0	0	0	0	20	20	41	4	0	10	0	0	0	0	0	0	0	33	128
Oak	0	0	0	0	19	0	0	33	5	7	51	0	0	0	0	0	0	0	111
Red Pine	0	70	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	74
Upland Conifers	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	11
Upland Mixed Forest	0	21	0	0	34	0	0	0	28	7	0	0	0	0	0	0	0	16	106
Upland Shrub	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Urban	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Water	210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	210
White Pine	0	0	0	0	7	0	18	0	0	20	5	0	0	0	0	0	0	0	49
<b>Total</b>	<b>1106</b>	<b>127</b>	<b>469</b>	<b>193</b>	<b>910</b>	<b>470</b>	<b>147</b>	<b>48</b>	<b>149</b>	<b>249</b>	<b>256</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>105</b>	<b>4245</b>



## Report 2 – Treatment Summary

Gladwin Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 31

Total Compartment Acres: 4,246

Commercial Harvest - 456  
 Harvests with Site Condition - 0  
 Next Step Harvest - 0  
 Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	309	0	0	0	0	0	0	0	0	309
Mixed Upland Deciduous	33	0	0	0	6	0	0	0	0	39
Natural Mixed Pines	0	29	0	0	0	0	0	0	0	29
Oak	62	0	0	0	0	0	0	0	0	62
Upland Conifers	0	0	0	0	11	0	0	0	0	11
Upland Mixed Forest	0	0	0	0	7	0	0	0	0	7
<b>Total</b>	<b>404</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>456</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	456	0	0	0	0	0	54	0	29	539
Next Step	0	51	101	0	0	101	507	0	0	759
<b>Total</b>	<b>456</b>	<b>51</b>	<b>101</b>	<b>0</b>	<b>0</b>	<b>101</b>	<b>561</b>	<b>0</b>	<b>29</b>	<b>1298</b>



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

<b>4</b>	<b>73031004-Cut</b>	50.5	4125 - Black, N. Pin Oak	Sawtimber Medium	94	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
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Prescription Cut all trees 2 inches and greater in diameter. Follow standard island retention. Focus retention around dense oak regeneration pockets.  
Specs:

Next Step SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial  
Treatments: Regen(3yr); Planting, Replant; Pesticide, Skidder - Release

Acceptable A fully stocked planted red pine plantation  
Regen:

Other Discussion with County Road Commission to abandon county road. Trench through county road if the road is abandoned by the time stand  
Comment: is ready for trenching treatment. Add stump spec. Add chipping spec.

Site Condition

Proposed Start Date: 10/1 /2025

<b>24</b>	<b>73031024-Cut</b>	8.2	4199 - Other Mixed Upland Deciduous	Sawtimber Well	79	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2 inches and greater in diameter. No retention due to stand size.  
Specs:

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

Acceptable A naturally regenerated stand of aspen with mixed hardwood and conifer meeting minimum stocking standards.  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

<b>35</b>	<b>73031035-Cut</b>	12.8	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	75	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2 inches and greater in diameter. No retention to maximize aspen regeneration. Add grouse spec. Add dry/frozen spec.  
Specs:

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

Acceptable A naturally regenerated stand of aspen with mixed hardwood and conifer meeting minimum stocking standards.  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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74	73031074-Cut	6.2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	41	81-110	Harvest	Shelterwood	4319 - Mixed Upland Forest	Two-Aged	No
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Prescription Mark to leave 40-50 BA/Acre of white pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A naturally regenerated stand of mixed hardwoods and conifers meeting minimum stocking standards.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

105	73031105-Cut	10.8	4130 - Aspen	Sawtimber Well	62	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2 inches and greater in diameter. No retention due to small stand size and potential need to paint out lowland pockets. Push treatment boundary south and west into Stand 108.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A naturally regenerated stand of aspen with mixed hardwood meeting minimum stocking standards.

Regen:

Other

Add Gladwin Unit grouse spec.

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

113	73031113-Cut	6.5	4125 - Black, N. Pin Oak	Sawtimber Well	86	111-140	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Cut all trees 2 inches and greater in diameter. No retention due to stand size. Add oak wilt spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A naturally regenerated stand of oak, maple and aspen meeting minimum stocking standards.

Regen:

Other

Cover type objective as Mixed Upland Deciduous. Will be difficult to reach 60% oak to classify as an oak covertime.

Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
114	73031114-Cut	4.9	4125 - Black, N. Pin Oak	Sawtimber Well	71	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2 inches and greater in diameter. No retention due to stand size. Add oak wilt spec.  <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable</u> A naturally regenerated stand of oak, aspen and maple meeting minimum stocking standards.  <u>Regen:</u></p> <p><u>Other</u> Cover type objective as Mixed Upland Deciduous. Will be difficult to reach 60% oak to classify as an oak covertime.  <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
136	73031136-Cut	53.6	4130 - Aspen	Poetimber Well	41	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2 inches and greater in diameter. Follow standard island retention. Focus retention around low wet ground. Add grouse spec.  <u>Specs:</u> Add dry/frozen spec</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable</u> A naturally regenerated stand of aspen with mixed deciduous and white pine meeting minimum stocking standards.  <u>Regen:</u></p> <p><u>Other</u>  <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
137	73031137-Cut	6.8	4310 - Pine, Oak Mix	Sawtimber Well	89	81-110	Harvest	Shelterwood	4220 - Natural White Pine	Two-Aged	No
<p><u>Prescription</u> Mark to leave 40-50 BA/Acre of white pine.  <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable</u> A naturally regenerated stand of white pine with mixed hardwoods meeting minimum stocking standards.  <u>Regen:</u></p> <p><u>Other</u>  <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
149	73031149-NF	2.4	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Mowing	310 - Herbaceous Openland		No
<p><u>Prescription</u> Manage with mowing, cultivating, planting and chemical treatment to maintain the wildlife opening.  <u>Specs:</u></p> <p><u>Next Step</u>  <u>Treatments:</u></p> <p><u>Acceptable</u>  <u>Regen:</u></p> <p><u>Other</u>  <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>234 73031234-Cut</b>	11.7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	75	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2 inches and greater in diameter. No retention to maximize aspen regeneration. Add grouse spec. Add dry/frozen spec.  
Specs:

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

Acceptable A naturally regenerated stand of aspen with mixed hardwood and conifer meeting minimum stocking standards.  
Regen:

Other Eastern boundary of stand is low & wet. May need to be painted out.  
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

<b>273 73031273-Cut</b>	136.8	4130 - Aspen	Poletimber Well	37	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2 inches and greater in diameter. Follow standard island retention. Focus retention around low ground. Add grouse spec.  
Specs:

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

Acceptable A naturally regenerated stand of aspen, red maple, oak and mixed conifers meeting minimum stocking standards.  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

<b>293 73031293-Cut</b>	28.6	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	56	111-140	Harvest	Single Tree Selection	4220 - Natural White Pine	Two-Aged	No
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Prescription Thin down to 80 basal area/acre. Focus on removing poor form white pine and hardwood species. Focus on retaining large pole / small saw log white pine.  
Specs:

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

Acceptable A naturally regenerated stand of white pine and oak meeting minimum stocking standards.  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

<b>294 73031294-Cut</b>	50.1	4130 - Aspen	Poletimber Well	50	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2 inches and greater in diameter. Follow standard island retention. Focus retention around wet pockets. Add grouse spec. Add dry/frozen spec.  
Specs:

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

Acceptable A naturally regenerated stand of aspen meeting minimum stocking standards.  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>296</b>	<b>73031296-Cut</b>	44.4	4130 - Aspen	Poletimber Well	41	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2 inches and greater in diameter. Follow standard island retention. Focus retention around low ground. Add grouse spec.  
Specs:

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

Acceptable Regen: A naturally regenerated stand of aspen and mixed hardwood meeting minimum stocking standards.

Other Comment: Address bypassed berms when timber sale is cut & closed.

Site Condition

Proposed Start Date: 10/1 /2025

<b>297</b>	<b>73031297-Cut</b>	11.2	429 - Mixed Upland Conifers	Sawtimber Well	88	81-110	Harvest	Shelterwood	4319 - Mixed Upland Forest	Two-Aged	No
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Prescription Mark to leave 40-50 BA/Acre of white pine.  
Specs:

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

Acceptable Regen: A naturally regenerated stand of mixed hardwood and conifers meeting minimum stocking standards.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

<b>312</b>	<b>73031312-Cut</b>	13.3	4130 - Aspen	Poletimber Well	49	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2 inches and greater in diameter. No retention to maximize aspen regeneration. Acreage could be less due to low/wet ground.  
Specs:

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

Acceptable Regen: A naturally regenerated stand of aspen meeting minimum stocking standards.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2025

**Approved Treatments:**

<b>12</b>	<b>73031012-Monitor</b>	40.7	310 - Herbaceous Openland	Nonstocked	0		Monitoring	Natural Regen (Intermediate)	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Natural regeneration check.  
Specs:

Next Step  
Treatments:

Acceptable Regen: Acceptable regeneration includes Oak, red maple and aspen meeting minimum stocking standards.

Other Comment: Stand did not pass natural regeneration check during inventory March 2024. Heavy deer browse on all hardwood species. Extend natural regeneration check.

Site Condition





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Proposed Start Date: 10/1 /2028

36	73031036- Monitor	9.9	6113 - Lowland Maple	Sawtimber Medium	94	1-50	Monitoring	Natural Regen (Intermediate)	6119 - Mixed Lowland Deciduous Forest	Uneven- Aged	No
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Prescription Natural regeneration check

Specs:

Next Step

Treatments:

Acceptable The stand is expected to regenerate to mixed lowland hardwoods.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2028

278	73031278- Monitor	3.0	4199 - Other Mixed Upland Deciduous	Sapling Poor	12	1-50	Monitoring	Natural Regen (Intermediate)	4125 - Black, N. Pin Oak	Even-Aged	No
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Prescription Natural regeneration check. Extended natural regeneration check. Hardwood has not reached 6' in height.

Specs:

Next Step

Treatments:

Acceptable Oak and mixed hardwoods with some conifer will be acceptable.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2028

17	NF_73031017- NonFor	3.8	3105 - Mixed Upland Herbaceous	Nonstocked			NonForestMgt	Mowing	3102 - Grass		No
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Prescription Manage with mowing, cultivating, planting and chemical treatment to maintain the wildlife opening.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2015



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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>20 NF_73031020-NonFor</b>	2.2	3202 - Autumn Olive/Honeysuckle	Nonstocked			NonForestMgt	Brush Cutting	3102 - Grass		No
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Prescription The site is to be treated by brush cutting, mowing, manual removal and/or chemical treat as need to eliminate autumn olive and converte  
Specs: stand to a wildlife opening.

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2015

<b>31 NF_73031031-NonFor</b>	2.8	3202 - Autumn Olive/Honeysuckle	Nonstocked			NonForestMgt	Brush Cutting	3102 - Grass		No
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Prescription The site is to be treated by brush cutting, mowing, manual removal and/or chemical treat as need to eliminate autumn olive and converte  
Specs: stand to a wildlife opening.

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2015

<b>47 NF_73031047-NonFor</b>	6.5	3102 - Grass	Nonstocked			NonForestMgt	Mowing	310 - Herbaceous Openland		No
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Prescription Manage with mowing, cultivating, planting and chemical treatment to maintain the wildlife opening.  
Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 12/30/1899

<b>104 NF_73031104-NonFor</b>	3.7	3102 - Grass	Nonstocked			NonForestMgt	Mowing	310 - Herbaceous Openland		No
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Prescription Manage with mowing, cultivating, planting and chemical treatment to maintain the wildlife opening.  
Specs:

Next Step  
Treatments:

Acceptable  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 12/30/1899



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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
132 NF_73031132-NonFor	4.1	3102 - Grass	Nonstocked			NonForestMgt	Mowing	310 - Herbaceous Openland		No
<p><u>Prescription</u> Manage with mowing, cultivating, planting and chemical treatment to maintain the wildlife opening.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 12/30/1899</p>										
158 NF_73031158-NonFor	3.4	3102 - Grass	Nonstocked			NonForestMgt	Mowing	310 - Herbaceous Openland		No
<p><u>Prescription</u> Manage with mowing, cultivating, planting and chemical treatment to maintain the wildlife opening.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 12/30/1899</p>										

Total Treatment 538.9  
Acreage Proposed:

## Report 4 – Site Conditions

Gladwin Mgt. Unit

Compartment: 31

Colton Behrmann : Examiner

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### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions									
		With Condition				5B	5C	2F	2G	2H	3D	3J	5A	5E	
1546	1444	<b>25</b>	77		Aspen		<b>25</b>	3	0	69	5	0		0	
14	14	<b>0</b>	0		Bog										
21	5	<b>0</b>	17		Cedar				6					11	
137	125	<b>0</b>	12		Herbaceous Openland				0	12					
39	13	<b>0</b>	27		Jack Pine					27					
4	4	<b>0</b>	0		Low-Density Trees										
263	208	<b>0</b>	54		Lowland Aspen/Balsam Poplar		<b>0</b>		14	13				27	
92	10	<b>16</b>	66		Lowland Conifers	<b>16</b>			41					25	
409	80	<b>38</b>	291		Lowland Deciduous	<b>38</b>			246			7	25	13	
99	58	<b>0</b>	41		Lowland Mixed Forest				41						
606	597	<b>0</b>	9		Lowland Shrub				2				7		
83	83	<b>0</b>	0		Marsh										
180	172	<b>0</b>	8		Mixed Upland Deciduous				0					8	
97	84	<b>0</b>	12		Natural Mixed Pines				0	12					
113	113	<b>0</b>	0		Oak				0						
73	66	<b>0</b>	7		Red Pine					4				4	
11	11	<b>0</b>	0		Upland Conifers										
107	83	<b>5</b>	19		Upland Mixed Forest		<b>5</b>			16				3	
31	31	<b>0</b>	0		Upland Shrub										
22	22	<b>0</b>	0		Urban				0						
210	210	<b>0</b>	0		Water		<b>0</b>		0		0	0			
50	45	<b>0</b>	5		White Pine				0	5					
4,207	3,477	<b>84</b>	645		Total Forested Acres	<b>54</b>	<b>30</b>	3	350	157	5	7	32	92	
	83%	<b>2%</b>	15%		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)	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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2	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	188	2E: Road needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<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> Delay treatment until adjacent mixed conifer stands have reached silvicultural criteria.							
5	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long term retention from adjacent aspen stand. "Drummond Road Aspen"							
8	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long term retention from adjacent aspen stand.							

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9	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long term retention from adjacent aspen stand. "Drummond Road Aspen"							
10	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Hold stand until adjacent aspen stand meets silvicultural criteria.							
11	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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15	Available	5B: Maintain for regeneration purposes	38	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> The pole size class is beginning to recruit. Hold stand until pole class has reached canopy.							
18	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	Unavailable	2F: Too steep	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Hold stand until adjacent stands are ready for harvest.							

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23	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	32	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
<b>Comments:</b> unable to recruit any regeneration at this time. Hold stand.							
24	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Cut in 2018, hold stand for 1 more cycle and determine if stand needs to be thinned again. No desirable regeneration has begun to recruit in FY '24							
25	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	31	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
26	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
27	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
29	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



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30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
33	Unavailable	5E: Long-Term Retention	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
34	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Left after the harvest of Cove View Aspen as long term retention.							
36	Unavailable	5E: Long-Term Retention	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
37	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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Compartment: 31

Year of Entry: 2026

38	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	26	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
41	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention left to help protect the integrity of the traditional campground and parking area.							
43	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention left to protect the integrity of the managed opening. Much of the retention is very wet.							
45	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
46	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
47	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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105	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	31	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
106	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
107	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
112	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
113	Unavailable	5E: Long-Term Retention	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long term retention from adjacent aspen stand. "Drummond Road Aspen"							
202	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gladwin Mgt. Unit  
Colton Behrmann : Examiner

Compartment: 31  
Year of Entry: 2026

206	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
212	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
215	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
220	Unavailable	3D: Recreational / Scenic values	5	2F: Too steep	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
221	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

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

Comments

Mgt. Unit

Compartment:

Year of Entry



### Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
1	310 - Herbaceous Openland	Nonstocked	2.1			No	This is an open grass type. It is often used for parking or dispersed camping.																																																				
2	6229 - Mixed lowland shrub	Nonstocked	3.3			No	The stand is in a depression that is quite wet and heavy to tag alder and willow.																																																				
3	6225 - Bog	Nonstocked	4.7			No	The stand is a heavy to leather leaf. There are some scattered white pines																																																				
4	4125 - Black, N. Pin Oak	Sawtimber Medium	50.5	94	51-80	N/A	The stand was harvested in 2010 as a seed tree harvest. Areas of stand look like they were never harvested. Maple, aspen and oak is regenerating best in areas of low canopy cover and areas where it was cut. There is heavy deer browse on the maple and oak.																																																				
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5	6113 - Lowland Maple	Sawtimber Well	14.0	85	51-80	N/A	Lowland drainage that has transitioned to red maple.																																																				
6	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	31.2	97	81-110	N/A	The stand is a matrix of uplands and lowlands with the lowlands being the majority. The terrain is undulating. It is made up of a series of knob, swales and ridges. The elevation difference in the terrain is significant. The understory at the north end is heavy to balsam fir and red maple to the south. Some of the lowlands are too wet to harvest especially along the east and north sides. The Boy Scout trail runs through the stand.																																																				
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7	4199 - Other Mixed Upland Deciduous	Poletimber Well	31.9	73	81-110	N/A	The stand contains both upland islands and lowlands. Lowlands are recruiting a pole maple class.																																																				
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8	6113 - Lowland Maple	Sawtimber Medium	11.3	93	51-80	N/A	Stand has transitioned to a lowland maple drainage now that the ash has died out.																																															
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9	4125 - Black, N. Pin Oak	Poletimber Medium	32.5	64	81-110	N/A	The stand is a matrix of uplands and lowlands with the uplands being the majority. The terrain is hummocky. The oak is poorer form. The center of the stand has a smaller pocket of oak saplings and poles recruiting.																																															
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10	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	11.9	93	81-110	N/A	The stand is a matrix of uplands and lowlands with the lowlands being the majority. There is a drainage in the stand that goes to the south. There are inclusions of lowland shrubs. The terrain is hummocky.																																															
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11	4130 - Aspen	Sapling Medium	29.0	14	Immature	N/A	The terrain is undulating. The tree species mix is variable. It goes from tag alder to poverty grass. Blueberry is common throughout the stand.																																															
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Red Maple	20	Sapling	1																																																			
12	310 - Herbaceous Openland	Nonstocked	41.8	0		412 - Oak Types	The stand was harvested as a clearcut.11/2017 in Buk Bolt Mix sale 73-007-16. All conifer, paper birch and green marked trees were left during harvest. Stand does not pass regeneration check during re-inventory March 2024. Heavy deer browse on all species. Extend regeneration survey																																															
13	6229 - Mixed lowland shrub	Nonstocked	10.3			No	The stand is a depression that is mainly tag alder with pockets of cattails.																																															
14	500 - Water	Nonstocked	23.0			No	The stand is a beaver pond.																																															





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
15	6119 - Mixed Lowland Deciduous Forest	Poletimber Poor	13.1	32	1-50	N/A	Stand cut under "Cedar Lake North" 73-036-89. Red pine, white pine and oak were left during harvest. Was part of adjacent aspen stand but is significantly lower ground. Too wet for commercial harvest. There are upland islands with log/xlog white pine.																																																													
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16	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	36.9	46	81-110	N/A	The stand is comprised of oak ridges with many low, narrow drainages. Any regeneration is currently being browsed heavily by deer and beaver.																																																													
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17	3105 - Mixed Upland Herbaceous	Nonstocked	3.8			No	Maintained wildlife opening																																																													
18	6119 - Mixed Lowland Deciduous Forest	Sawtimber Medium	40.7	94	1-50	N/A	The stand is a matrix of uplands and lowlands with the lowlands being the majority. Red maple poles are more prevalent in the lowland drains and oak poles are also starting to recruit. Second age based off saplings recruiting. Completion notes: Stand harvested under contract # 73-003-16, Comp 31 Mix in August of 2018. 31.6 square feet was removed from the stand and 41 square feet was left as residual.																																																													
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19	4130 - Aspen	Poletimber Well	49.6	39	81-110	N/A	The stand was harvested retaining oak. Overall upland aspen with a few narrow drainages running throughout stand. The density is quite variable going from well to poorly stocked.																																																													
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20	3202 - Autumn Olive/Honeysuckle	Nonstocked	2.2			No	This is an old autumn olive planting on poor soils. The ground cover is poverty grass and sweet fern.																																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>21</b>	4130 - Aspen	Sapling Poor	13.2	14	Immature	N/A	The stand was harvested in 2010. The regeneration is patchy. The stand is a matrix of uplands and lowlands with the uplands being the majority.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2	Pole/Sapling	4	
Red Maple	15	Sapling	1	
Balsam Fir	2	Sapling/Pole	4	
Bigtooth Aspen	81	Sapling	2	14

<b>22</b>	6230 - Cattail	Nonstocked	7.2			No	
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<b>23</b>	3105 - Mixed Upland Herbaceous	Nonstocked	29.0			No	This stand was harvested in 2010 and has not regenerated. Hummocky sparsely vegetated stand.
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<b>24</b>	4199 - Other Mixed Upland Deciduous	Sawtimber Well	8.2	79	111-140	N/A	Narrow ridge between two lowlands. The northern half surrounds a maintained wildlife opening. The balsam fir is higher along lowland edges and the southern half.
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Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	2	Pole	7	
Balsam Fir	10	Pole/Sapling	5	
Black/Red (Hybrid) Oak	20	Log	16	
White Oak	3	Log	16	
Bigtooth Aspen	30	Log	14	79
Red Maple	28	Log/Pole	11	
White Pine	3	Log	12	
Paper Birch	2	Pole/Sapling	5	
Red Pine	2	Log	17	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Red Maple	Medium	>20 feet	Sapling
Balsam Fir	Medium	>20 feet	Sapling

<b>25</b>	4130 - Aspen	Poletimber Well	12.4	45	81-110	N/A	The terrain is hummocky. The uplands makes up about 80-85% of the stand. There are several wet drainages present. This stand could be harvested, as it is a pole stand. However, it would be better to wait 10 years. FACTOR LIMIT THE STAND: NEEDS ROAD
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	50	Pole	7	45
Red Maple	10	Pole	8	
Quaking Aspen	30	Pole	7	
White Pine	5	Log	12	
Paper Birch	5	Pole	6	

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
<b>26</b>	4199 - Other Mixed Upland Deciduous	Poletimber Poor	2.7	25	1-50	N/A	This stand has some older trees that have been seeding into the stand.																																																															
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<b>27</b>	629 - Mixed non-forested wetland	Nonstocked	110.0			No	Lowland alder and cattail with scattered upland islands.																																																															
<b>28</b>	6130 - Fir, Aspen, Maple	Poletimber Well	7.9	41	111-140	N/A	Stand clearcut in 1983. Pine and oak left for retention. Stand was cut with adjacent aspen stand to the east. This lowland came back to much heavier balsam fir and aspen mix. Dense mixed stand with low ground.																																																															
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<b>29</b>	310 - Herbaceous Openland	Nonstocked	9.7			No	Narrow ridge with scattered pine and shrubs																																																															
<b>30</b>	6229 - Mixed lowland shrub	Nonstocked	38.0			No	The stand is mainly tag alder, willow and marsh grass with some scattered trees.																																																															
<b>31</b>	3202 - Autumn Olive/Honeysuckle	Nonstocked	2.8			Managed Opening	This is an old autumn olive planting on poor soils. The ground cover is poverty grass and sweet fern.																																																															
<b>32</b>	42210 - Natural Red Pine	Sawtimber Well	3.5	94	81-110	N/A	Natural red pine peninsula that goes into a lowland shrub type.																																																															
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<b>33</b>	629 - Mixed non-forested wetland	Nonstocked	48.5		Immature	No	The stand is mainly an emergent marsh type with areas of open water and areas of lowland shrubs.																																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
<b>34</b>	6139 - Mixed Lowland Forest	Poletimber Poor	11.2	53	1-50	N/A	Narrow mixed pine ridge. Heavy to balsam fir in the south & transitions more to sparse hardwood in the north.																																															
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<b>35</b>	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	12.8	75	111-140	N/A	The stand has an upland ridge running N/S through the stand. The edges taper off into more of a lowland cover type. Maple is the most dominant species now that the aspen has fallen out. White pine is also heavily present throughout the stand.																																															
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<b>36</b>	6113 - Lowland Maple	Sawtimber Medium	10.2	94	1-50	N/A	Stand follows an upland ridge and road. Area harvested under contract #73-003-16, Comp 31 Mix in September of 2018. 28.9 square feet was removed from the stand leaving 27.8 square feet as residual. East half of stand was too wet and therefore left out of the harvest. Regeneration is poor and does not meet minimum stocking.																																															
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<b>37</b>	6229 - Mixed lowland shrub	Nonstocked	23.0	0		No	Mixed lowland shrub with a few upland islands scattered throughout.																																															
<b>38</b>	6113 - Lowland Maple	Poletimber Poor	3.2	49	1-50	N/A																																																
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<b>39</b>	3201 - Sweet Fern	Nonstocked	20.2			No	The aspen in the stand has been chewed off by beaver. There are now only a few small clones. The ground cover is mainly sweet fern and poverty grass.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**40** 622 - Lowland Shrub Nonstocked 1.3 0 Unspecified No

**41** 4191 - Mixed Upland Deciduous with Conifer Poletimber Medium 36.2 46 51-80 N/A Variable species stand that follows narrow ridges. Regeneration may be an issue if commercially harvested after observing adjacent recent timber harvests.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	20	Log	11		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce	2	Pole	5					
Jack Pine	10	Pole	6					
Red Maple	8	Pole	6					
Red Pine	5	Pole	8					
Paper Birch	10	Pole/Sapling	5					
Quaking Aspen	30	Pole	6	46				
Tamarack	15	Pole	5					

**42** 6233 - Wet Meadow Nonstocked 11.3 No

This area was a beaver pond but has since drained. It is now more of a beaver meadow. There are now some upland areas visible. The central portion of the stand still has open water.

**43** 4310 - Pine, Oak Mix Poletimber Medium 17.6 39 1-50 N/A

This stand is a matrix of uplands and lowlands with the uplands being the majority. The terrain is variable. The low areas go from cattails to tag alder. The uplands are mainly bracken fern and poverty grass.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	30	Log	11	39	Jack Pine	Low	Variable	Sapling
Jack Pine	15	Sapling/Pole	4		Red Pine	Low	Variable	Sapling
Red Pine	10	Pole/Sapling	5		Tag Alder	High	5 - 10 feet	Tall Shrub
Red Maple	5	Log/Pole	12		White Pine	High	Variable	Sapling
Quaking Aspen	20	Sapling/Pole	4					
White Pine	20	Pole/Sapling	5					

**44** 4319 - Mixed Upland Forest Sapling Poor 21.4 7 Immature N/A

Stand cut under Buck Bolt Mix 73-007-16 in Fall 2017. All white pine and green marked trees were left during harvest. Very patchy regeneration. Tamarack, jack pine and white pine seedlings are starting to regenerate.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	25	Sapling	1	7
White Pine	3	Log	16	
Tamarack	10	Sapling	2	
Black/Red (Hybrid) Oak	2	Log	15	
Black/Red (Hybrid) Oak	5	Sapling	1	
White Pine	20	Sapling	2	
Bigtooth Aspen	10	Sapling	1	
Paper Birch	5	Pole	6	
Red Maple	20	Sapling	1	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
45	6131 - Hemlock, White Pine, Maple, Birch	Poletimber Medium	4.7	42	51-80	N/A																																										
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46	42200 - Natural White Pine	Sawtimber Well	5.0	99	111-140	N/A	This stand is a peninsula that is surrounded on three sides by lowlands. A portion of the stand is accessible from the west. There is a drainage that bisects the stand. It appears to have generated from a few large white pines that have seeded the area over the years. The diameter of the trees goes from seedling to extra-large sawlogs. The sawlogs have been open grown having heavy branches all the way to the ground.																																									
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47	3102 - Grass	Nonstocked	6.5			Managed Opening	This area is a maintained wildlife opening.																																									
48	500 - Water	Nonstocked	28.4			No	Beaver pond																																									
49	4131 - Aspen, Oak	Sapling Poor	25.9	14	Immature	N/A	The stand was harvested in 2010. Regeneration is being browse by deer and beaver. Multiple narrow drainages bisect the stand. Heavier aspen regeneration along the western boundary.																																									
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50	6229 - Mixed lowland shrub	Nonstocked	12.8			No	Lowland tag alder thicket																																									
51	310 - Herbaceous Openland	Nonstocked	2.1	0		No	Old illegal ORV scramble area closed off with stumps & debris.																																									
52	6112 - Lowland Aspen	Poletimber Poor	13.9	90	1-50	N/A	Lowland stand that has converted to a sparsely vegetated aspen stand. Most of the aspen is dying out with a heavy understory of tag alder and maple.																																									
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53	4133 - Aspen, Mixed Pine	Poletimber Well	23.6	39	81-110	N/A	The edges of the stand are being hit heavily by beavers. The lowland pocket in the center of the stand is also starting to get dammed up by beavers. The aspen is starting to reach 7" DBH.																																																			
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54	629 - Mixed non-forested wetland	Nonstocked	6.4			No	This stand is a mixture of tag alder and cattails with some areas of open water. It looks like it may have been an old beaver flooding.																																																			
55	4133 - Aspen, Mixed Pine	Poletimber Medium	17.6	39	81-110	N/A	Poorer quality aspen with a heavy mix of pine and oak. Pine seedlings can be found throughout the stand.																																																			
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56	629 - Mixed non-forested wetland	Nonstocked	78.0			No	This is mainly a lowland shrub/grass type with upland islands and low ridges. The uplands are only slightly higher than the surrounding lowlands.																																																			
57	6220 - Alder/willow	Nonstocked	3.1			No	This is an area of tag alder over standing water.																																																			
58	500 - Water	Nonstocked	76.2			No	This is Tittibawassee River and its tributaries. Many of the tributaries have multiple beaver dams and ponds.																																																			
59	6113 - Lowland Maple	Poletimber Well	7.5	73	81-110	N/A	Lowland maple stand that is self thinning and recruiting a new pole class.																																																			
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60	629 - Mixed non-forested wetland	Nonstocked	23.5			No	This stand is an extensive mixture non forested wetlands types. It goes from tag alder to marsh grass to open water.																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>61</b>	4133 - Aspen, Mixed Pine	Sawtimber Medium	2.8	87	81-110	N/A	Strip along Secord Lake that was left during previous harvests. Most of stand is a steep slope down to the river bottom.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		5	Log/Pole	11		White Pine		Low	10 - 20 feet	Sapling	
Black/Red (Hybrid) Oak		12	Pole/Log/Sap	9		Black/Red (Hybrid) Oak		Low	10 - 20 feet	Sapling	
Bigtooth Aspen		53	Log	12	87						
White Pine		30	Log/Pole	12							

<b>62</b>	4133 - Aspen, Mixed Pine	Sawtimber Medium	5.1	87	81-110	N/A	Strip along Secord Lake that was left during previous harvests. Aspen is starting to decline. Recommend to thin stand up to Secord Lake when adjacent stands are ready for harvest.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		5	Log/Pole	11		Black/Red (Hybrid) Oak		Low	10 - 20 feet	Sapling	
White Pine		30	Log/Pole	12		White Pine		Low	10 - 20 feet	Sapling	
Bigtooth Aspen		53	Log	12	87						
Black/Red (Hybrid) Oak		12	Pole/Log/Sap	9							

<b>63</b>	42220 - Natural Jack Pine	Poletimber Well	26.6	43	81-110	N/A	The jack pine in the stand is short, being only 2 sticks tall. It has poor form. Many have light to moderate galling. Most of the galls are on side branches. However, some of them are on the main stem. The terrain is hummocky but fairly dry. There are a few inclusions of low wet ground. The tamarack is mainly along the edges. The aspen is being hit by beavers, especially near the lowlands. The crown closure is closer to 75%.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Bigtooth Aspen		15	Pole	7		Tag Alder		Low	5 - 10 feet	Tall Shrub	
Tamarack		3	Pole	6		Jack Pine		Low	5 - 10 feet	Sapling	
Red Pine		15	Log/Pole	11		Red Pine		Low	5 - 10 feet	Sapling	
Jack Pine		65	Pole	7	43	White Pine		Low	< 5 feet	Sapling	
Black/Red (Hybrid) Oak		2	Pole	8							

<b>64</b>	4319 - Mixed Upland Forest	Sawtimber Well	15.7	60	111-140	N/A	The aspen along the Tittabawassee River and drainages are being impacted by beaver. So between beavers and natural decline the aspen is falling out of the stand. In the open areas the stand is filling in with white pine and balsam fir with some scattered red pines. The terrain is undulating and the depressions are wet.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Quaking Aspen		4	Log	13		Black/Red (Hybrid) Oak		Low	10 - 20 feet	Sapling	
White Pine		50	Log	15	60	White Pine		Medium	Variable	Sapling	
Black/Red (Hybrid) Oak		5	Log	12		Balsam Fir		Low	Variable	Sapling	
Red Maple		25	Log	13							
Bigtooth Aspen		10	Log	13							
Paper Birch		2	Pole/Log	9							
Red Pine		4	Log	14							

<b>65</b>	4130 - Aspen	Poletimber Well	33.1	39	81-110	N/A	The stand is about 90% uplands. The lowlands are mainly in the draws. These drain into the Tittabawassee River. The terrain is mainly flat and it becomes undulating near the draws. The aspen is moving nicely into poles and there are already some 6" diameter poles present.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Jack Pine		3	Pole	7		White Pine		Low	5 - 10 feet	Sapling	
Quaking Aspen		30	Pole	6		Tag Alder		Low	5 - 10 feet	Tall Shrub	
White Pine		5	Pole	6		Jack Pine		Low	5 - 10 feet	Sapling	
White Pine		2	Log/Pole	11							
Bigtooth Aspen		60	Pole	7	39						





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																	
<b>66</b>	4199 - Other Mixed Upland Deciduous	Sawtimber Well	8.1	79	111-140	N/A	Narrow ridge between two lowlands. The northern half surrounds a maintained wildlife opening. The balsam fir is higher along lowland edges and the southern half.																																																																	
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<b>67</b>	6130 - Fir, Aspen, Maple	Sawtimber Poor	13.7	60	1-50	N/A	Open grown lowland stand that has been affected by beaver dams. Majority of the stand is open grown with tag alder and willow brush. There are islands heavier to balsam fir and pine, pushing the canopy cover into the 25-50% range.																																																																	
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<b>68</b>	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	32.6	60	111-140	N/A	This stand is a slight upland ridge. The species are variable, being heavy to red pine at the south end; more jack pine toward the north end; and white pine is present throughout.																																																																	
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<b>69</b>	3102 - Grass	Nonstocked	1.4	0	Unspecified	No	Cut under Mohawk Harvest 73-018-04. Overall well stocked aspen stand with sporadic lowland pockets that are heavier to alder and birch.																																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
70	6112 - Lowland Aspen	Poletimber Well	22.6	45	111-140	N/A	The terrain is hummocky. There are several wet drainages present.																																										
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71	622 - Lowland Shrub	Nonstocked	0.8	0	Unspecified	No	Cut under "Pineway Aspen" 73-060-92. Well stocked aspen stand with scattered lowland alder thickets.																																										
72	3105 - Mixed Upland Herbaceous	Nonstocked	19.6			No	The stand has been heavily hit by beavers. It has been converted to a low density pine stand.																																										
74	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	6.2	41	81-110	N/A	Stand cut in 1983 "Red Oak Lane Sale" 73-025-83. Well stocked aspen stand with lowland inclusions. Minor component of pine species are found throughout the stand.																																										
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75	622 - Lowland Shrub	Nonstocked	5.3	0	Unspecified	No																																											
76	42260 - Natural Pine, Mixed Deciduous	Poletimber Poor	10.8	39	1-50	N/A	The ground cover is mainly poverty grass with areas of blueberry. There are pockets of aspen and some conifers. The south end of the stand was burned in a wildfire (2002) and has regenerated to jack pine. The beaver have been impacting the aspen that is present. At the current time the crown closure is around 25%.																																										
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77	629 - Mixed non-forested wetland	Nonstocked	4.2			No	Large lowland tag alder thicket surrounded by a well stocked aspen stand.																																										
78	4130 - Aspen	Poletimber Well	71.6	39	81-110	N/A	The stand is well stocked overall. The western edge of the stand shows heavier beaver activity along the drainage leading to Secord Lake.																																										
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79	622 - Lowland Shrub	Nonstocked	3.7	0	Unspecified	No	Stand cut under "Cedar Lake North" 73-036-89. Red pine, white pine and oak were left during harvest. Basal area is closer to 110 ba/acre in fully stocked areas. There are upland ridges sparsely stocked as well. The west side is more lowland than upland.																																																										
80	4319 - Mixed Upland Forest	Sawtimber Well	28.2	74	81-110	N/A	FACTOR LIMIT THE STAND FOR SCENIC VALUE ALONG THE TITTABAWASSEE RIVER. The aspen in the stand is declining and is being replaced by white pine, red pine, and balsam fir. Along the river the stand has a steep drop off. In addition to the decline in the aspen it is also being hit by beavers.																																																										
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81	42290 - Natural Mixed Pine	Poletimber Well	8.9	39	81-110	N/A	Stand has mainly come back to mixed pine. Narrow upland ridges with a lowland influence along the edges.																																																										
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82	6112 - Lowland Aspen	Poletimber Well	22.8	44	111-140	N/A	Retention islands left from Cove View Aspen sale, 73-010-12-01. Completed June 1, 2015. Aspen is now starting to decline with heavy maple regeneration and aspen in the understory.																																																										
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83	4130 - Aspen	Sapling Well	53.1	10	Immature	N/A	Clearcut in 2014 under Cove View Aspen 73-010-12. Fully stocked aspen stand.																																																										
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<b>84</b>	6112 - Lowland Aspen	Poletimber Medium	36.9	32	81-110	N/A	Stand is split 50/50 between uplands and lowlands. There are areas dominated by white pine, mainly in the northwestern portion of the stand. Small patch mature white pine in north central portion of stand. The southern finger contains more log sized oak and pine. Japanese barberry was also identified and reported. Cut under "Pineway Aspen" 73-060-92																																																									
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<b>86</b>	6220 - Alder/willow	Nonstocked	3.9	0		No																																																										
<b>87</b>	6113 - Lowland Maple	Sawtimber Medium	5.2	87	81-110	N/A	Lowland drainage labeled as retention from previous harvest of young aspen stand. More aspen and oak in this finger than lowland drainage to the north.																																																									
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<b>101</b>	4130 - Aspen	Sapling Well	14.6	11	Immature	N/A	A well stocked aspen stand sitting around 2-3" DBH on average. Stand is filling in well in the open pockets. Canopy oak are starting to show decline.																																																									
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<b>102</b>	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	25.5	80	81-110	N/A	The terrain is hummocky. Overall the stand is low and wet. However, there is a portion of the stand that is upland. This portion is along the maintained wildlife opening. The south end is very wet. However the north end is not too bad. There is a drainage running through the stand.																																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**103** 4130 - Aspen Sapling Well 37.9 11 Immature N/A Well stocked immature aspen stand. Canopy openings are now filling in with aspen, pine and maple.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	2	Log/Pole	14	
Bigtooth Aspen	56	Sapling	3	11
White Pine	2	Log/Pole	14	
Quaking Aspen	20	Sapling	3	
Balsam Fir	10	Pole/Sapling	4	
Red Maple	10	Sapling	2	

**104** 3102 - Grass Nonstocked 3.7 Managed Opening This is a maintained wildlife opening

**105** 4130 - Aspen Sawtimber Well 10.8 62 111-140 N/A Mature aspen stand with log sized oak. Access will need to come from the south through stand 113.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	15	Log	14		White Pine	Low	>20 feet	Sapling
Quaking Aspen	20	Pole/Log	9		Deciduous Shrubs	Low	5 - 10 feet	Tall Shrub
Red Maple	3	Log/Pole	12		Red Pine	Low	>20 feet	Sapling
Bigtooth Aspen	60	Log	12	62	Black/Red (Hybrid) Oak	Low	>20 feet	Sapling
White Pine	2	Log	14					

**106** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 13.5 82 141-170 N/A There is heavy wind throw in the northern end of the stand. However, there is some level of wind throw throughout the stand. The cedar is more common at the north and south ends. Ash and maple are more common in the central portion of the stand. In areas of lower density the regeneration of white pine and balsam fir is thick. Overall it is a very wet site. There is also a trace of beech and basswood.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Log	12		Balsam Fir	High	10 - 20 feet	Sapling
Red Maple	20	Pole	6		White Pine	High	10 - 20 feet	Sapling
Balsam Fir	15	Pole/Sapling	5		Tag Alder	Low	5 - 10 feet	Tall Shrub
White Pine	25	Log/XLog	17		Red Maple	Medium	>20 feet	Sapling

**107** 6132 - Mixed Lowland Forest with Cedar Sawtimber Well 27.6 96 111-140 N/A The stand has a creek running through it that has a well-defined bed and bank. There are numerous springs in the stand that feed into the creek. The percentage of hardwoods increases along the eastern edge. Overall the stand is a matrix of uplands and lowlands with the lowlands being the majority. In the areas of thick balsam fir there is evidence of high winter deer activity. The area southwest of the creek is very wet and converting red maple & balsam fir due to ash dieoff. This area is too wet to harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Pole/Sapling	5		Deciduous Shrubs	Low	5 - 10 feet	Tall Shrub
Hemlock	5	Pole	7		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Balsam Fir	15	Pole/Sapling	5		Red Maple	High	>20 feet	Sapling
Black/Red (Hybrid) Oak	5	Log	16		Balsam Fir	High	>20 feet	Sapling
Red Maple	40	Log/Pole	11	96				
White Oak	3	Log	16					
Northern White Cedar	25	Pole/Log	9					
Bigtooth Aspen	5	Log	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
108	6120 - Lowland Cedar	Poletimber Well	5.9	112	81-110	N/A	Lowland cedar stand with a drainage dominated by red maple logs now.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	50	Pole	7	112	Red Maple	Low	>20 feet	Sapling
Bigtooth Aspen	5	Pole	5					
Red Maple	30	Log/Pole	12					
White Pine	15	XLog/Log	20					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
109	4130 - Aspen	Poletimber Well	37.1	21	81-110	N/A	The stand is now fully stocked. When it was harvested some of the overstory trees were retain, most of them were oaks. The Boy Scout trail runs through the stand. Cut under "Gessey Marsh" 73-030-99, all oak, cedar, hemlock, red and white pine left during harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Log	14		Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Oak	10	Sapling	4					
Bigtooth Aspen	68	Pole	5	21				
Red Oak	3	Log	14					
Red Pine	2	Log	14					
Red Maple	15	Pole/Sapling	5					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
110	6113 - Lowland Maple	Sawtimber Medium	4.1	86	81-110	N/A	

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	10	Log	12		Red Maple	Low	10 - 20 feet	Sapling
Northern White Cedar	10	Log	10		Tag Alder	High	5 - 10 feet	Tall Shrub
Red Maple	65	Log	12	86				
Balsam Fir	5	Pole	6					
Paper Birch	10	Pole	7					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
111	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	30.8	86	51-80	N/A	Lowland drainage transitioning to a low basal area red maple lowland. The stand has a lot of old cedar stumps present. The stand looks like it was harvested a one time. However, there is no cedar regeneration present. The terrain is hummocky.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	3	Pole	6		Red Maple	Low	10 - 20 feet	Sapling
Northern White Cedar	7	Pole	7		Balsam Fir	Low	10 - 20 feet	Sapling
Paper Birch	7	Pole	6		Tag Alder	Low	5 - 10 feet	Tall Shrub
White Pine	3	Log	12					
Balsam Fir	25	Pole	6					
Red Maple	40	Log	12	86				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
112	4130 - Aspen	Poletimber Well	18.5	21	51-80	N/A	Cut under "Gessey Marsh" 73-030-99 in 2003 & is starting to gain a measurable basal area.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	10	Pole	5		Pin Cherry	Low	5 - 10 feet	Sapling
Bigtooth Aspen	40	Pole	5	21				
Red Maple	20	Pole	6					
Quaking Aspen	30	Pole	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**113** 4125 - Black, N. Pin Oak Sawtimber Well 6.5 86 111-140 N/A This stand is an upland ridge along a low swale. The swale has a creek running through it. The terrain is undulating.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	50	Log/XLog	14	86	White Pine	Low	10 - 20 feet	Sapling
White Pine	15	Log	15		Black/Red (Hybrid) Oak	Low	>20 feet	Pole
Red Maple	20	Log/Pole	13		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	15	Log/XLog	14		Red Maple	Low	>20 feet	Pole
					Balsam Fir	Low	10 - 20 feet	Sapling

**114** 4125 - Black, N. Pin Oak Sawtimber Well 4.9 71 81-110 N/A The red oak in the stand is grade. The regeneration is mainly maple stump sprouts. The regeneration is about the same age as the stand to the north. The harvest has left the stand with a nice overstory of oak with a medium stocked red maple understory. The density of the stand is lower in the west end than in the east end.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Sapling	5		Black/Red (Hybrid) Oak	Low	>20 feet	Sapling
Red Pine	2	Log	16		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	3	Log	13		Red Maple	Low	>20 feet	Sapling
Black/Red (Hybrid) Oak	82	Log/XLog	16	71				
White Pine	3	Log	15					

**115** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 49.0 33 111-140 N/A Stand clearcut in 1991 "73-036-89". Scattered white pine, red pine and oak were retained which are now log/xlog size class. Very diverse and high stocked stand with white pine, maple and aspen being the main components.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5	Pole	5		White Pine	Low	5 - 10 feet	Sapling
White Pine	3	XLog	18		Pin Cherry	Low	5 - 10 feet	Sapling
Red Maple	20	Pole	6					
Red Pine	2	Pole	5					
Paper Birch	5	Pole	5					
Balsam Fir	3	Pole	6					
White Pine	30	Pole	7	33				
Bigtooth Aspen	15	Pole	6					
Quaking Aspen	15	Pole	6					

**117** 4136 - Aspen, Mixed Conifer Poletimber Well 29.0 44 81-110 N/A Stand clearcut in 1980 "73-034-80", except oak. The south and west side are comprised of ridges with aspen and oak while the north and east side are heavier to mixed pine and fir.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	3	Log	16		Balsam Fir	Low	10 - 20 feet	Sapling
Red Maple	15	Pole/Log	9		White Pine	Low	< 5 feet	Sapling
Balsam Fir	15	Pole	7		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Red Pine	2	Log	16		Tag Alder	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	15	Pole	7		Black Cherry	Low	5 - 10 feet	Sapling
Bigtooth Aspen	35	Pole	8	44	Red Maple	Low	>20 feet	Sapling
Paper Birch	5	Pole	6					
Black/Red (Hybrid) Oak	10	Log	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**120** 4130 - Aspen Poletimber Well 28.3 21 51-80 N/A Cut under "Gessey Marsh" 73-030-99 in 2003. All cedar, hemlock, white and red pine left during harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	65	Pole	5	21	Pin Cherry	Low	5 - 10 feet	Sapling
White Pine	2	XLog	20					
Red Maple	10	Pole/Sapling	5					
Bigtooth Aspen	23	Pole	5					

**122** 6118 - Lowland Deciduous with Cedar Poletimber Well 6.3 92 81-110 N/A The stand has heavy wind throw of cedar at the north end. It also has a thick understory of balsam fir. The stand looks to be wetter at the north and south ends. The terrain is hummocky. The stand is about 80% lowlands and much of that is too wet to manage.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole/Sapling	6		Balsam Fir	Full	10 - 20 feet	Sapling
Red Pine	2	Log/XLog	15		Red Maple	Medium	>20 feet	Sapling
Red Maple	46	Log/Pole	12	92	White Pine	Low	10 - 20 feet	Sapling
Quaking Aspen	5	Log	13					
Black/Red (Hybrid) Oak	10	Log	13					
Northern White Cedar	25	Pole/Log	9					
White Oak	2	Log	13					
White Pine	5	Log/XLog	18					

**123** 4139 - Aspen, Mixed Deciduous Poletimber Well 36.4 41 81-110 N/A Stand clearcut in 1983. Residual oak, red pine, white pine and jack pine left during previous harvest. Most of aspen and maple is now pole sized. Could benefit from 1 more cycle to increase diameter. Much heavier to log sized pine in the northern half.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Log	14	82	White Pine	Low	5 - 10 feet	Sapling
Red Maple	30	Pole	6		Balsam Fir	Low	10 - 20 feet	Sapling
Bigtooth Aspen	13	Pole	7		Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Pine	2	Log	13		Paper Birch	Low	>20 feet	Sapling
Jack Pine	2	Log	11		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Quaking Aspen	40	Pole	6	41	Pin Cherry	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	3	Log	16					

**124** 6131 - Hemlock, White Pine, Maple, Birch Poletimber Medium 13.3 35 81-110 N/A The northwest end was cut under "Cedar Lake North" 73-036-89. All red pine, white pine and oak were left during harvest.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	35	Log	13	35
Black/Red (Hybrid) Oak	20	Log	16	
Bigtooth Aspen	10	Pole	6	
Red Maple	25	Pole	6	
Red Pine	10	Log	14	

**125** 6120 - Lowland Cedar Poletimber Well 15.6 134 51-80 N/A Lowland cedar drainage with maple filling in.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	75	Pole/Log	9	134
Red Maple	25	Log/Pole	10	





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**126**      4130 - Aspen      Poletimber Well      35.6      21      51-80      N/A      Stand cut under "Gessey Marsh" 73-030-99. All cedar, hemlock, white and red pine left during harvest. Some pockets of medium stocking, but overall fully stocked. Scattered xlog red and white pine in canopy.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5	Sapling	3		White Pine	Trace	5 - 10 feet	Sapling
Red Maple	10	Pole/Sapling	5		Red Pine	Trace	5 - 10 feet	Sapling
Paper Birch	2	Sapling	4		Balsam Fir	Low	10 - 20 feet	Sapling
Red Pine	2	Log	14		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Bigtooth Aspen	58	Pole	5	21				
White Pine	3	Log	15					
Quaking Aspen	20	Pole	5					

**128**      6128 - Lowland Coniferous, Mixed Deciduous      Poletimber Well      11.8      85      111-140      N/A      Lowland mixed conifer stand with tip up mounds and hummocky ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	25	Pole	8		Red Maple	Low	>20 feet	Sapling
Northern White Cedar	15	Pole	8		Tag Alder	Low	5 - 10 feet	Tall Shrub
Hemlock	5	Log	14		Balsam Fir	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	5	Log	14		Paper Birch	Low	>20 feet	Sapling
White Pine	35	Log	12	85				
Balsam Fir	5	Pole	7					
Bigtooth Aspen	10	Log	14					

**131**      4130 - Aspen      Poletimber Well      34.0      32      51-80      N/A      Stand cut under "Cedar Lake North" 73-036-89. Red pine, white pine and oak were left during harvest. Well stocked stand on the ridges surround a lowland tag alder pocket.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	25	Pole	6		Tag Alder	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	55	Pole	5	32	Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	2	Log	14		White Pine	Low	5 - 10 feet	Sapling
Red Maple	13	Pole	6					
White Pine	2	XLog	22					
Paper Birch	3	Pole/Sapling	5					

**132**      3102 - Grass      Nonstocked      4.1      No      This is a maintained wildlife opening.

**133**      4130 - Aspen      Poletimber Medium      41.7      32      81-110      N/A      Stand cut under "Cedar Lake North" 73-036-89. Red pine, white pine and oak were left during harvest. Basal area is closer to 110 ba/acre in fully stocked areas. There are upland ridges sparsely stocked as well. The west side is more lowland than upland.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	8		Balsam Fir	Low	10 - 20 feet	Sapling
Bigtooth Aspen	5	Pole	7		Witch Hazel	Low	10 - 20 feet	Tall Shrub
Black/Red (Hybrid) Oak	5	Log	10		Paper Birch	Low	>20 feet	Sapling
Quaking Aspen	59	Pole	7	32	Tag Alder	Low	5 - 10 feet	Tall Shrub
White Oak	3	Log	13		Musclewood/Hornbeam	Low	5 - 10 feet	Sapling
Balsam Fir	5	Pole	6					
Paper Birch	3	Pole	8					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**142**      4133 - Aspen, Mixed Pine      Poletimber Medium      11.2      22      51-80      N/A      Stand cut under "Rutledge Access" 73-031-99. No cedar or hemlock were cut within 100' of Drummond road. All cedar, hemlock, white pine and balsam fir were left during harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	5	Pole	8		Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Fir	15	Pole/Sapling	5		Willow spp.	Low	5 - 10 feet	Tall Shrub
White Pine	10	Pole	6					
Bigtooth Aspen	10	Pole/Sapling	5					
White Pine	10	Log	12	88				
Quaking Aspen	45	Pole/Sapling	5	22				
Black/Red (Hybrid) Oak	5	Pole/Sapling	5					

**144**      4132 - Aspen, Jack Pine      Sapling Well      59.9      22      Immature      N/A      Stand cut under "Rutledge Access" 73-031-99. All cedar and hemlock was left during harvest. The stand is a matrix of uplands and lowlands with the uplands being the majority. The regeneration is a patchy mix that goes from pines, oak, aspen and to cattails / lowland shrubs.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	10	Sapling	3		Willow spp.	Medium	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	15	Sapling	3		Tag Alder	Medium	5 - 10 feet	Tall Shrub
White Pine	10	Pole/Sapling	5					
Balsam Fir	10	Sapling	3					
Quaking Aspen	30	Sapling	4	22				
Paper Birch	2	Sapling	1					
Red Maple	3	Pole/Sapling	5					
Jack Pine	20	Pole/Sapling	5					

**145**      42200 - Natural White Pine      Sawtimber Well      6.5      89      111-140      N/A      Narrow white pine ridge. Low pockets filled with red maple saplings. White pine ranging from 10-18" DBH.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Sap/Log	8		Red Maple	Low	>20 feet	Sapling
Paper Birch	2	Pole	5		White Pine	Low	5 - 10 feet	Sapling
Bigtooth Aspen	5	Log/Pole	12		Deciduous Shrubs	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	3	Log	14		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
White Pine	80	Log/XLog	16	89				

**146**      6112 - Lowland Aspen      Sapling Medium      36.0      8      Immature      N/A      Stand harvested in 2017 under Buck Bolt Mix sale 73-007-16. All pine was left during harvest. Stand has patchy regeneration and wet pockets heavier to willow.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	65	Sapling	3	8	Willow spp.	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	5	Sapling	3		Tag Alder	Low	5 - 10 feet	Tall Shrub
White Pine	10	Sapling	4					
Paper Birch	10	Sapling	2					
White Pine	10	Log	11					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**148** 6113 - Lowland Maple Sawtimber Poor 3.7 83 1-50 N/A Stand has converted to red maple now that the ash has died off.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole	6		Tag Alder	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	5	Log	12					
Red Maple	85	Log/Pole	11	83				

**149** 310 - Herbaceous Openland Nonstocked 2.4 Managed Opening Managed wildlife opening.

**150** 4133 - Aspen, Mixed Pine Poletimber Medium 44.3 32 81-110 N/A Stand cut under "Cedar Lake North" 73-036-89. Red pine, white pine and oak were left during harvest. Stand consists of upland ridges, some of which are sparsely vegetated.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	10	Pole	7		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
White Pine	15	Pole/Log	8		White Pine	Low	5 - 10 feet	Sapling
Bigtooth Aspen	5	Pole	6		Red Maple	Low	>20 feet	Sapling
Black/Red (Hybrid) Oak	5	Sapling	2		Balsam Fir	Low	10 - 20 feet	Sapling
Quaking Aspen	40	Pole	6	32	Witch Hazel	Low	10 - 20 feet	Tall Shrub
Red Pine	5	Pole/Log	9		Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Maple	20	Pole	7					

**152** 42201 - Natural White Pine, Mixed Deciduous Sawtimber Well 13.4 88 111-140 N/A Large diameter white pine stand with heavy wildlife use. Low stocking of white pine seedlings. Recommend to thin stand once adjacent aspen stands meet silvicultural criteria. Stand cut under "Rutledge Access" 73-031-99. All cedar, hemlock, white pine and red pine were left during harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	3	Log	16		Tag Alder	Low	5 - 10 feet	Tall Shrub
White Pine	65	Log	14	88	Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Northern White Cedar	2	Pole	7		White Pine	Medium	5 - 10 feet	Sapling
Red Maple	20	Pole/Sapling	5	22	Red Maple	Low	10 - 20 feet	Sapling

**153** 500 - Water Nonstocked 12.7 No Beaver pond with current activity.

**154** 6112 - Lowland Aspen Poletimber Well 57.7 32 Immature N/A Stand cut under "Cedar Lake North" 73-036-89. Red pine, white pine and oak were left during harvest. Areas heavier to white pine in the canopy are coming back more towards pine and maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	20	Log/Pole	14		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	2	XLog	18		White Pine	Low	5 - 10 feet	Sapling
Red Pine	1	Log	14		Tag Alder	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	12	Pole	6		Red Maple	Low	10 - 20 feet	Sapling
Paper Birch	10	Pole	5					
Red Maple	15	Pole	6					
Bigtooth Aspen	40	Pole	6	32				

**155** 623 - Emergent Wetland Nonstocked 16.9 No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
<b>156</b>	4130 - Aspen	Poletimber Well	18.7	32	81-110	N/A	Overall upland with lowland tag alder pockets scattered throughout. Trace white pine. Stand is starting to increase in basal area.																																													
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<b>158</b>	3102 - Grass	Nonstocked	3.4			Managed Opening	Maintained wildlife opening																																													
<b>161</b>	4130 - Aspen	Sapling Medium	41.2	11	Immature	N/A	The stand is regenerating fairly well. Openings are beginning to fill in with white pine saplings. The deer browse is lower here than in the cut to the east.																																													
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<b>163</b>	6113 - Lowland Maple	Poletimber Well	17.2	88	81-110	N/A																																														
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<b>164</b>	629 - Mixed non-forested wetland	Nonstocked	49.5			No	The stand is mainly made up of two old beaver flooding. They have drained down but are still very wet, Scattered maple along the edges.																																													
<b>165</b>	6113 - Lowland Maple	Sawtimber Well	9.1	84	51-80	N/A	The stand is a matrix of uplands and lowlands with the lowlands being the majority. There are pockets where beaver have knocked down all canopy trees.																																													
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<b>201</b>	6123 - Lowland Fir	Poletimber Medium	17.5	90	81-110	N/A	The stand is a matrix of uplands and lowlands with the lowlands being around 75%. There are areas in the stand that are too wet to harvest. The lowlands have a variety of deciduous shrubs including tag alder and red osier dogwood. The upland areas have a thick balsam fir understory. There is a brush line and survey corners along the south edge of the stand. There is also a survey corner at the northwest corner that ties into a wire fence.																																																									
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<b>203</b>	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	9.5	48	81-110	N/A	Upland mixed deciduous stand with a lowland component. Heavy balsam fir in areas. Access for commercial harvest will be difficult. No access from the west & did not find any feasible access from the east.																																																									
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<b>204</b>	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Medium	19.2	48	81-110	N/A	Stand has transitioned to a mixed pine/fir cover type. There is a small component of mixed deciduous. Stand may be too wet for commercial harvest and access is unknown.																																																									
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<b>205</b>	3103 - Rubus-Fern	Nonstocked	7.1			No	Upland bare island with scattered white pine and a few oak.																																																									
<b>207</b>	6239 - Mixed Emergent Wetland	Nonstocked	20.1			No																																																										
<b>209</b>	6220 - Alder/willow	Nonstocked	6.9			No	Lowland drainage heavy to tag alder and willow.																																																									
<b>210</b>	42200 - Natural White Pine	Sawtimber Poor	7.3	32	51-80	N/A	Open grown stand that is not regenerating well. Areas of lowland tag alder with upland patches of branchy white pine and mixed hardwood. Recommend treating with adjacent aspen stand once aspen meets silvicultural criteria.																																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**211** 629 - Mixed non-forested wetland Nonstocked 22.3 No Lowland alder with multiple stages of beaver ponds & dams.

**212** 6113 - Lowland Maple Sawtimber Poor 3.5 48 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Log	15		Tag Alder	High	10 - 20 feet	Tall Shrub
Balsam Fir	2	Pole	5		Willow spp.	Low	5 - 10 feet	Tall Shrub
White Pine	5	Pole	8					
Paper Birch	3	Pole	7					
Red Maple	80	Log/Pole	11	48				

**213** 6112 - Lowland Aspen Sapling Medium 58.1 15 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	15	Pole	6	
Quaking Aspen	40	Sapling	2	15
White Pine	20	Log/Pole	12	
Black/Red (Hybrid) Oak	10	Log/Pole	12	
Paper Birch	5	Sapling	4	
Red Maple	10	Sapling	4	

This stand is a matrix of uplands and lowlands with the lowlands being around 60%. The stand was harvested as a 4" DBH clearcut with all the oak and pine left, unless marked with orange paint. The regeneration is patchy with some areas being very dense and other areas being non-forested. Deer browse is heavy in some areas. Cut under Mohawk Harvest 73-018-04

**214** 42200 - Natural White Pine Sawtimber Well 5.1 51 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Log/Pole	11		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	6	Log	13		Red Pine	Low	10 - 20 feet	Sapling
White Pine	80	Log	14	51	White Pine	Low	>20 feet	Sapling
Red Pine	8	Log	16					
Jack Pine	3	Pole	7					

Natural white pine stand averaging around 140 basal area. Portions of the stand are higher in basal area.

**216** 4130 - Aspen Poletimber Medium 11.1 32 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	2	Pole	6	
White Pine	10	Log/Pole	12	
Bigtooth Aspen	67	Pole	7	32
Tamarack	5	Pole	6	
Red Maple	8	Pole/Log	9	
Paper Birch	3	Pole	8	
Black/Red (Hybrid) Oak	5	Log	12	

Cut under "Pineway Aspen" 73-060-92. Overall a well-stocked aspen stand with a few scattered small openings. There is a lowland drainage in the SW portion of the stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
<b>218</b>	4319 - Mixed Upland Forest	Poletimber Medium	11.6	32	111-140	N/A	L type drain through west end. Some good dense bigtooth aspen clones, rest conifers. Some oak. Trace of tamarack. Cut under "Pineway Aspen" 73-060-92																																																			
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<b>219</b>	6230 - Cattail	Nonstocked	3.5			No	Creek bed with tall grass and tag alder																																																			
<b>220</b>	6220 - Alder/willow	Nonstocked	8.7			No	Tag alder thicket with sporadic white pine. Overall too wet for any commercial treatment.																																																			
<b>221</b>	4133 - Aspen, Mixed Pine	Poletimber Well	12.1	32	81-110	N/A	Cut under "Pineway Aspen" 73-060-92. Well stocked aspen stand with a heavier mix of white pine in the northern portion.																																																			
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<b>222</b>	42220 - Natural Jack Pine	Poletimber Medium	4.4	51	81-110	N/A	Natural jack pine stand with mixed hardwood and pine.																																																			
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<b>223</b>	4130 - Aspen	Poletimber Medium	7.9	32	81-110	N/A	Cut under "Pineway Aspen" 73-060-92. Aspen is starting to grow in basal area. More white pine along the edges of the stand.																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**225** 42220 - Natural Jack Pine Poletimber Well 8.5 45 81-110 N/A

Few shallow small drains run E-W through stand. Ground cover mainly bracken, wintergreen; some vaccinium/leatherleaf. Trace of black oak, pin cherry, red maple, paper birch.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Log	9		White Pine	Low	10 - 20 feet	Sapling
Quaking Aspen	2	Pole	7		Red Maple	Low	>20 feet	Sapling
Jack Pine	80	Pole	8	45	Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
White Pine	11	Pole/Log	9					
Black Cherry	2	Pole	7					

**227** 4130 - Aspen Sapling Well 6.2 16 81-110 N/A

The stand was harvested retaining green marked trees and all pine in the southern half of the stand. The regeneration is coming up fairly well. The aspen is heaviest along the road. There is a lot of diversity in the stand. Cut under Mohawk Harvest 73-018-04

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	2	Log	12	
Quaking Aspen	20	Sapling	4	
White Pine	5	Sapling	4	
Bigtooth Aspen	43	Sapling	4	16
Black/Red (Hybrid) Oak	5	Log	15	
White Pine	5	Log	14	
Red Maple	10	Sapling	3	
Black/Red (Hybrid) Oak	10	Sapling	4	

**228** 6119 - Mixed Lowland Deciduous Forest Sawtimber Well 4.6 70 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	8		White Pine	Low	10 - 20 feet	Sapling
White Pine	2	Log	16		Black/Red (Hybrid) Oak	Low	>20 feet	Sapling
Bigtooth Aspen	30	Pole/Log	9		Paper Birch	Low	>20 feet	Sapling
Red Maple	50	Log/Pole	11	70				
Black/Red (Hybrid) Oak	8	Log	16					
Northern White Cedar	5	Pole	9					

**229** 4136 - Aspen, Mixed Conifer Sapling Medium 7.4 15 Immature N/A

This stand was harvested retaining marked pine and oak. The regeneration is dense along Mohawk Trail but get sparse going south. Cut under Mohawk Harvest 73-018-04

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	15	Sapling	3	
White Pine	8	Sapling	4	
Bigtooth Aspen	50	Sapling	3	15
Black/Red (Hybrid) Oak	5	Log/Pole	12	
Balsam Fir	10	Sapling	2	
White Oak	2	Log	16	
White Pine	10	Log/Pole	12	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>230</b>	4130 - Aspen	Poletimber Well	2.3	32	81-110	N/A	Cut under "Pineway Aspen" 73-060-92. Small pocket of aspen with parking lot and a closed administrative access route.
<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	6		Black/Red (Hybrid) Oak	
Bigtooth Aspen		80	Pole	5	32	Red Maple	
White Pine		5	Log	14		White Pine	
						<b>Density</b>	
						<b>Avg. Height</b>	
						<b>Size</b>	
<b>231</b>	42290 - Natural Mixed Pine	Sawtimber Medium	11.8	51	81-110	N/A	Timber sale notes show it was cut in 2014 under Cove View Aspen 73-010-12. Log white and red pine now make up the stand. Basal area is pushing 100 BA/acre, with white pine seedlings becoming established.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Bigtooth Aspen		5	Log/Pole	11		White Pine	
Black/Red (Hybrid) Oak		4	Log	12		Black/Red (Hybrid) Oak	
White Pine		40	Log	15		Red Maple	
Black Cherry		3	Pole	8			
Red Pine		43	Log	14	51		
Red Maple		5	Pole	7			
<b>232</b>	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	19.6	40	81-110	N/A	The terrain is hummocky. The species change from white pine and aspen in the south to jack pine, white pine, aspen and oak north. There is a trace of black cherry, tamarack, red pine, and paper birch.
<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 Pine		2	Log/Pole	12		Jack Pine	
Jack Pine		18	Pole	7			
Red Maple		5	Pole	6			
Quaking Aspen		30	Pole	7			
White Pine		40	Log/Pole	11	40		
<b>233</b>	6119 - Mixed Lowland Deciduous Forest	Sawtimber Poor	12.0	51	51-80	N/A	The stand is made up of half upland ridges and half lowland tag alder thickets. The upland islands are poorly stocked and would be difficult to treat commercially.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		51	Log/Pole	12	51	Tag Alder	
White Pine		10	Log/Pole	12		Jack Pine	
Paper Birch		9	Log/Pole	10		White Pine	
Black/Red (Hybrid) Oak		15	Log	16			
Quaking Aspen		15	Log	14			
<b>234</b>	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	11.7	75	111-140	N/A	The stand is a matrix of uplands and lowlands. Aspen is starting to show decline. The east and western portions of the stand are more lowland with dense balsam fir. There are scattered cedar throughout the stand. Winter harvest would be necessary for a majority 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>	
Red Maple		40	Log/Pole	12	75	Red Maple	
Quaking Aspen		20	Log	12		Black/Red (Hybrid) Oak	
Black/Red (Hybrid) Oak		10	Log	13		Balsam Fir	
Balsam Fir		23	Pole	7			
Northern White Cedar		5	Pole	8			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**235** 6127 - Lowland Pine Sawtimber Well 16.3 90 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	3	Log	14		White Pine	Low	>20 feet	Pole
Jack Pine	3	Log/Pole	10		Tag Alder	Trace	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	5	Log	16		Leatherleaf	High	< 5 feet	Tall Shrub
Red Pine	89	Log	14	90	Red Pine	Low	5 - 10 feet	Pole
					Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
					Jack Pine	Low	>20 feet	Pole

The terrain is hummocky and seasonably wet. There are scattered pockets of leather leaf. Basal area is averaging around 95-100 BA/Acre with red pine diameters averaging around 12-15 DBH. Very little natural regeneration has recruited since the previous harvest. Recommend holding stand until next YOE to determine if a second thinning needs to occur. Completion comments: Stand was harvested under contract # 73-003-16, Comp 31 Mix in September of 2018. 46.5 square feet was removed leaving 82 square feet as residual. Minimal rutting occurred and the crew protected the residual well.

**236** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 7.3 32 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	35	Pole	7	32	Balsam Fir	Low	5 - 10 feet	Sapling
Quaking Aspen	15	Pole	6		Black Cherry	Low	>20 feet	Sapling
Paper Birch	10	Pole	5		Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Pine	3	Pole	7					
White Pine	35	Pole/Log	9					
Tamarack	2	Pole	5					

Cut under "Pineway Aspen" 73-060-92. Stand is filling in well, with a heavy mix of white pine.

**237** 6117 - Lowland Deciduous, Mixed Coniferous Sawtimber Well 18.5 87 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	25	Log	15		White Pine	Medium	Variable	Sapling
Balsam Fir	8	Pole	7		Red Pine	Low	Variable	Sapling
Red Maple	42	Log/Pole	12	87	Balsam Fir	Medium	Variable	Sapling
Paper Birch	3	Pole	6		Red Maple	Low	>20 feet	Sapling
Black/Red (Hybrid) Oak	15	Log	14		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
White Oak	2	Log/Pole	12					
Quaking Aspen	5	Log/Pole	12					

Lowland mixed stand. North portion is heavier to pine, southern portion transition to a lowland maple stand.

**238** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 18.8 87 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	6		Tag Alder	Low	10 - 20 feet	Tall Shrub
Quaking Aspen	10	Log/Pole	11		Balsam Fir	Medium	10 - 20 feet	Sapling
White Pine	10	Log	13		Red Maple	Low	>20 feet	Sapling
Balsam Fir	25	Pole	6					
Red Maple	40	Log/Pole	11	87				
Black/Red (Hybrid) Oak	10	Log	16					

Lowland drainage along Boman road. There is a small upland piece at the corner of Mohawk trail and Boman road. Overall too wet for commercial harvest.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**239** 4130 - Aspen Poletimber Medium 6.5 50 81-110 N/A Deep drain runs E-W but can get to back of stand from SE corner.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Log/Pole	12		White Pine	Low	5 - 10 feet	Sapling
Red Pine	2	Log	13		Black Cherry	Low	10 - 20 feet	Sapling
Northern White Cedar	3	Pole	9		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	8	Log/Pole	12		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	72	Pole	9	50				
Black Cherry	5	Pole	7					

**240** 42260 - Natural Pine, Mixed Deciduous Sawtimber Medium 9.5 87 51-80 N/A Natural white pine stand thinned during previous treatment. Completion comments: Stand was harvested under contract # 73-003-16, Comp 31 Mix in September of 2018. 55 square feet was removed from the stand leaving 60 square feet as residual timber.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	20	Log	16		Red Maple	Low	Variable	Sapling
Balsam Fir	5	Pole	6		White Pine	Medium	>20 feet	Sapling
Red Pine	25	Log/XLog	14		Balsam Fir	Low	10 - 20 feet	Sapling
Red Maple	5	Log/Pole	10					
Bigtooth Aspen	5	Pole	9					
White Pine	40	Log	15	87				

**241** 6220 - Alder/willow Nonstocked 50.0 No Overall an alder lowland with scattered islands of white pine.

**242** 4131 - Aspen, Oak Poletimber Well 10.2 46 81-110 N/A Mixed aspen stand with a small component of white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Pole	8		Black Cherry	Low	>20 feet	Sapling
Bigtooth Aspen	50	Pole	8	46	Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine	15	Pole/Log	9		Red Maple	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	20	Pole	8					
Red Maple	10	Pole	7					

**243** 3205 - Mixed Upland Shrub Nonstocked 6.1 No 20% lowland with willow. 15% sweet fern. 15% N. Very late seral wetland tht's now upland.

**244** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 5.7 75 81-110 N/A Narrow lowland finger heavier to cedar with a few hemlock and maple. Heavy deer browse in understory and less balsam fir than adjacent stand 245.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Log/Pole	12		Balsam Fir	Medium	5 - 10 feet	Sapling
Hemlock	5	Log	14		Michigan Holly	Low	5 - 10 feet	Tall Shrub
Red Maple	25	Pole/Log	8	71	Red Maple	Low	< 5 feet	Sapling
Northern White Cedar	33	Pole/Log	9	75	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Balsam Fir	25	Pole	6					
Paper Birch	2	Pole/Log	9					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>245</b>	6130 - Fir, Aspen, Maple	Poletimber Well	20.4	75	111-140	N/A	Lowland stand with a few upland pockets. Mainly dense balsam fir in the understory with maple recruiting into the canopy gaps.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	35	Pole/Log	9	75	Red Maple	Low	>20 feet	Sapling
Northern White Cedar	5	Pole/Log	9		White Pine	Low	10 - 20 feet	Sapling
Paper Birch	12	Pole/Log	9		Balsam Fir	Medium	10 - 20 feet	Sapling
White Pine	20	Log	13					
Northern Pin Oak	3	Pole/Log	8					
Quaking Aspen	5	Log/Pole	12					
Balsam Fir	20	Pole	7					

<b>246</b>	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	5.8	10	Immature	N/A	Cut in 2014 under Cove View Aspen 73-010-12. Pine and oak left for retention.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	10	Sapling	2	
Paper Birch	5	Sapling	1	
White Pine	5	Log	13	
Red Maple	30	Sapling	2	10
Black/Red (Hybrid) Oak	10	Sapling	2	
Bigtooth Aspen	25	Sapling	2	
Balsam Fir	15	Sapling	1	

<b>247</b>	6225 - Bog	Nonstocked	4.4			No	Leatherleaf bog with scattered white pine.
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<b>249</b>	6229 - Mixed lowland shrub	Nonstocked	5.4		Immature	No	Stand has transitioned to a lowland shrub now that the ash has died off.
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<b>251</b>	42290 - Natural Mixed Pine	Poletimber Medium	4.2	64	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	10	Log/Pole	10		White Pine	Low	10 - 20 feet	Sapling
White Pine	25	Log/Pole	10		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Quaking Aspen	10	Pole	8		Black Cherry	Low	10 - 20 feet	Sapling
Jack Pine	28	Pole	7	64	Red Pine	Low	10 - 20 feet	Sapling
Red Maple	3	Pole	8		Jack Pine	Low	>20 feet	Sapling
Red Pine	24	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>252</b>	6119 - Mixed Lowland Deciduous Forest	Sawtimber Medium	25.4	87	81-110	N/A	The stand is a matrix of uplands and lowlands with the mix being close to 50/50. Log sized stand with very little regeneration in the understory. Regeneration could become an issue if commercially harvested. The stand was thinned last YOE marked with orange paint and all aspen removed. Cut under Mohawk Harvest 73-018-04.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height
Paper Birch	5	Pole	8		White Pine	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	23	Log	16		Red Pine	Low	5 - 10 feet	Sapling
Jack Pine	5	Pole	8		Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Maple	55	Log/Pole	12	87	Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
White Pine	5	Pole	9					
Red Pine	7	Log	15					
<b>254</b>	6113 - Lowland Maple	Sawtimber Well	7.3	97	81-110	N/A	The aspen in the stand is declining and falling out of the overstory. The area is a matrix of uplands and lowlands with the lowlands being a slight majority. The terrain is hummocky and much of the drainage in the stand is along the edges. There is heavy white pine regeneration at the north end. There is more maple at the south end and oak is scattered throughout the stand. The soils also seem to get wetter going south.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height
Quaking Aspen	20	Log	14		Red Maple	Medium	>20 feet	Sapling
Black/Red (Hybrid) Oak	10	Log	14		Paper Birch	Low	>20 feet	Pole
White Pine	5	Log	16		White Pine	Medium	>20 feet	Sapling
Red Maple	65	Log	13	97				
<b>255</b>	122 - Road/Parking Lot	Nonstocked	19.7			No	Actually paved road (cover type 122) but cover type dropdown did not permit me to enter 122 and it was not in drop down.	
<b>256</b>	6113 - Lowland Maple	Sawtimber Well	2.7	95	81-110	N/A	The terrain is hummocky. The stand is quite small and a culvert will be needed to access the stand. It may not be worth the cost to gain access for the wood that is present.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height
Quaking Aspen	7	Log	12		Red Maple	Low	>20 feet	Sapling
White Pine	3	Log	12		White Pine	Low	>20 feet	Sapling
Black/Red (Hybrid) Oak	10	Log	14		Black/Red (Hybrid) Oak	Low	>20 feet	Sapling
Red Maple	80	Log	13	95	Tag Alder	Low	5 - 10 feet	Tall Shrub
<b>257</b>	4133 - Aspen, Mixed Pine	Sawtimber Medium	13.2	87	81-110	N/A	Strip along Secord Lake that was left during previous harvests. Aspen is starting to decline. Recommend to thin stand up to Secord Lake when adjacent stands are ready for harvest.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height
Red Maple	5	Log/Pole	11		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Bigtooth Aspen	53	Log	12	87	White Pine	Low	10 - 20 feet	Sapling
White Pine	30	Log/Pole	12					
Black/Red (Hybrid) Oak	12	Pole/Log/Sap	9					
<b>260</b>	6127 - Lowland Pine	Sawtimber Medium	4.3	56	81-110	N/A		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	72	Log/Pole	11	56	Tag Alder	Low	5 - 10 feet	Tall Shrub
Jack Pine	15	Pole	7		Red Pine	Trace	5 - 10 feet	Sapling
Tamarack	5	Pole	7		Quaking Aspen	Trace	10 - 20 feet	Sapling
Red Maple	5	Pole	9		White Pine	Low	Variable	Sapling
Quaking Aspen	3	Pole	6		Jack Pine	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**261** 6220 - Alder/willow Nonstocked 44.6 No

**262** 42200 - Natural White Pine Poletimber Well 12.4 56 141-170 N/A

Most pine is infested with white pine weevil. Few patches of aspen along road. Trace of tamarack, red pine, birch, jack pine in overstory, tamarack and red maple in understory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	3	Pole	7		Red Maple	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	5	Pole	9		White Pine	Medium	Variable	Sapling
White Pine	77	Pole/Log	9	56	Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Red Pine	5	Pole	9					
Red Maple	5	Pole	8					
Tamarack	5	Log/Pole	10					

**263** 42110 - Planted Red Pine Sapling Medium 69.6 4 Immature N/A

Clearcut - FTP C73-1003 trench and plant red pine. Planted to red pine in 2020. FTP shows pockets that were unplanted due to high water table. 3 yr regen survey shows very high mortality near/in the pockets. Outside of pockets red pine is doing well. This type of stand often dries up in late summer and could be managed. There are also areas in the stand that are open leather leaf as well as slight upland ridges.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	15	Sapling	1	
Tamarack	5	Sapling	1	
Black/Red (Hybrid) Oak	5	Sapling	1	
Red Pine	75	Sapling	1	4

**264** 6119 - Mixed Lowland Deciduous Forest Poletimber Well 8.7 41 81-110 N/A

Barely lowland. Hummocky, with areas of moss and blueberry (25%). Similar to stand 134 but far less white pine and slightly drier. Stand cut in 1983, left all pine and oak

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	35	Pole	6		White Pine	Low	5 - 10 feet	Sapling
Paper Birch	2	Pole	5		Red Maple	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	56	Pole	9	41				
Quaking Aspen	5	Pole	7					
White Pine	2	Pole	7					

**265** 6113 - Lowland Maple Poletimber Medium 7.0 87 51-80 N/A

Lowland drainage that has converted to red maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole	5		Tag Alder	Medium	10 - 20 feet	Tall Shrub
Red Maple	68	Pole/Log	9	87	Red Maple	Medium	10 - 20 feet	Sapling
Black Cherry	5	Pole	6		Paper Birch	Low	>20 feet	Sapling
Black/Red (Hybrid) Oak	5	Pole	8					
Quaking Aspen	2	Log/Pole	10					
White Pine	10	Log	14					

**267** 6233 - Wet Meadow Nonstocked 9.2 No

mostly grass, sedge, rush. Some open water and cattails and floating aquatic.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
<b>268</b>	4130 - Aspen	Sapling Medium	7.4	15	Immature	N/A	The stand was harvested. There is regeneration that is coming in fairly well but there are portion that did not regenerate. The areas that did not come back are mainly wet and are now reed grass. Cut under Mohawk Harvest 73-018-04 leaving all cedar and hemlock.																																																															
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Bigtooth Aspen	66	Sapling	2	15																																																																		
<b>271</b>	4134 - Aspen, Spruce/Fir	Poletimber Well	13.3	36	81-110	N/A	There are several drainages that lead to Secord lake. The canopy is much heavier to balsam fir in the northwestern portion of the stand and also averages a smaller diameter.																																																															
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<b>272</b>	500 - Water	Nonstocked	26.8			No																																																																
<b>273</b>	4130 - Aspen	Poletimber Well	136.8	37	111-140	N/A	Well stocked aspen stand. Stand is broken up with lowland alder thickets that will need painted out during timber sale prep. Midland to Mackinaw Trail runs through stand.																																																															
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<b>275</b>	6113 - Lowland Maple	Poletimber Poor	6.9	89	81-110	N/A	Creek floodplain that has converted to red maple lowland with white pine along the banks.																																																															
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<b>276</b>	6225 - Bog	Nonstocked	3.7			No	Lowland bog with scattered pine.																																																															





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
<b>278</b>	4199 - Other Mixed Upland Deciduous	Sapling Poor	3.0	12	1-50	N/A	Clearcut in 2014 under Cove View Aspen 73-010-12. Narrow sandy ridge along forest road. Regeneration is minimal due to deer browse. Oak is trying to recruit.																																													
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<b>279</b>	4130 - Aspen	Sapling Medium	28.4	10	Immature	N/A	Clearcut in 2014 under Cove View Aspen 73-010-12. Moderately stocked aspen stand with some lowland inclusions. The northern portion has patchy regeneration & beaver activity.																																													
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<b>280</b>	6220 - Alder/willow	Nonstocked	15.2			No																																														
<b>282</b>	4133 - Aspen, Mixed Pine	Poletimber Medium	30.2	42	81-110	N/A																																														
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<b>283</b>	6225 - Bog	Nonstocked	1.2			No	Leatherleaf bog with scattered white pine																																													
<b>284</b>	6220 - Alder/willow	Nonstocked	7.3			No	Lowland alder thicket with a few upland fingers running through it. Overall less than 25% canopy cover and too wet for commercial harvest. Heavy to red maple.																																													
<b>289</b>	6233 - Wet Meadow	Nonstocked	9.3			No																																														
<b>290</b>	122 - Road/Parking Lot	Nonstocked	2.4			Managed Opening																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
<b>291</b>	4131 - Aspen, Oak	Poletimber Well	14.6	32	81-110	N/A	Cut under "Pineway Aspen" 73-060-92. All oak less than 4" left during harvest. Stand has filled in well, with areas heavier to pole sized oak.																																													
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<b>292</b>	4130 - Aspen	Poletimber Medium	15.7	32	81-110	N/A	Patchwork of good aspen clones, south half closer to solid aspen. Cut under "Pineway Aspen" 73-060-92																																													
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<b>293</b>	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	28.6	56	111-140	N/A	Strip left during previous harvests. Heaviest to white pine with a minor component of aspen and oak.																																													
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<b>294</b>	4130 - Aspen	Poletimber Well	50.1	50	81-110	N/A	Well stocked aspen stand with multiple lowland drains bisecting stand. Stand is split by lowland tag alder. Access will need to come off of Mowhawk trail.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**296**      4130 - Aspen      Poletimber Well      44.4      41      81-110      N/A

Stand cut in 1983 "Red Oak Lane Sale" 73-025-83. Well stocked aspen stand with lowland inclusions. Minor component of pine species are found throughout the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	70	Pole	8	41
Black/Red (Hybrid) Oak	5	Pole	8	
Jack Pine	3	Pole	6	
Red Pine	2	Pole	6	
Quaking Aspen	15	Pole	7	
White Pine	5	Log	14	

**297**      429 - Mixed Upland Conifers      Sawtimber Well      11.2      88      81-110      N/A

Stand was left during previous harvest to act as a visual buffer. The aspen is beginning to fall out of stand with balsam fir recruiting into the canopy.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	20	Log/Pole	11		Balsam Fir	Low	10 - 20 feet	Sapling
Balsam Fir	30	Pole	8		Red Maple	Low	>20 feet	Sapling
White Pine	31	Log/Pole	11	88	Beech	Low	5 - 10 feet	Sapling
Paper Birch	2	Pole/Log	9					
Red Maple	17	Pole/Log/Sap	9					

**300**      6220 - Alder/willow      Nonstocked      17.8                No

Lowland alder swamp.

**301**      6112 - Lowland Aspen      Poletimber Medium      10.4      32      81-110      N/A

Lowland aspen stand between recent clearcut and finger of Secord Lake. Trace of swamp white oak, white pine, hawthorn and oak in canopy. Cut under "Pineway Aspen" 73-060-92

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	83	Pole	7	32	Dogwood (spp.)	Low	10 - 20 feet	Tall Shrub
Balsam Fir	2	Pole/Sapling	5		Tag Alder	Medium	10 - 20 feet	Tall Shrub
Black/Red (Hybrid) Oak	5	Pole	9		Red Maple	High	>20 feet	Sapling
Red Maple	10	Pole	9		Balsam Fir	Low	10 - 20 feet	Sapling
					Paper Birch	Low	>20 feet	Sapling

**302**      4130 - Aspen      Sapling Well      32.4      15      Immature      N/A

Cut under Mohawk Harvest 73-018-04. Overall well stocked aspen stand with sporadic lowland pockets that are heavier to alder and birch.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	40	Sapling	2	15
Paper Birch	5	Sapling	2	
Black/Red (Hybrid) Oak	10	Sapling	2	
Quaking Aspen	30	Sapling	2	
Red Maple	10	Sapling	2	
White Pine	5	Sapling	3	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**303** 4125 - Black, N. Pin Oak Poletimber Poor 18.5 32 81-110 N/A Cut under "Pineway Aspen" 73-060-92, all oak and pine left during harvest. Stand has a decent makeup of oak poles with mixed conifer filling in.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	60	Pole	7	32
Quaking Aspen	7	Pole	6	
Jack Pine	16	Pole	6	
White Pine	2	Pole	9	
Red Pine	2	Log/Pole	10	
Black Cherry	3	Pole	5	
Paper Birch	10	Pole	6	

**304** 500 - Water Nonstocked 7.4 No

**305** 500 - Water Nonstocked 4.5 No

**307** 4319 - Mixed Upland Forest Poletimber Well 5.4 32 81-110 N/A Visual and RMZ buffer for Secord Lake. Very diverse species and size mix. Cut under "Pineway Aspen" 73-060-92, only aspen removed.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	6	Log/Pole	13		Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Maple	8	Log/Pole	10		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Paper Birch	8	Pole/Sapling	5		Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	36	Pole	6					
Bigtooth Aspen	36	Pole	6	32				
Black/Red (Hybrid) Oak	6	Pole	7					

**309** 4130 - Aspen Poletimber Well 63.3 37 81-110 N/A Well stocked aspen stand with scattered wet pockets. There are 2 old administrative access roads through the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	1	Log	13		Red Maple	Low	>20 feet	Sapling
Red Maple	15	Pole	7		Balsam Fir	Low	5 - 10 feet	Sapling
Bigtooth Aspen	65	Pole	7	37	White Pine	Low	10 - 20 feet	Sapling
White Pine	4	Log/Pole	12					
Paper Birch	5	Pole	7					
Black/Red (Hybrid) Oak	10	Pole	8					

**310** 4130 - Aspen Poletimber Well 18.3 32 81-110 N/A Cut under "Pineway Aspen" 73-060-92. Well stocked aspen stand with scattered lowland alder thickets.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	80	Pole	6	32	Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Pine	2	Pole	6		White Pine	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	5	Pole	9		Willow spp.	Low	5 - 10 feet	Tall Shrub
White Pine	3	Pole	6		Paper Birch	Low	10 - 20 feet	Sapling
Paper Birch	10	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
<b>311</b>	6127 - Lowland Pine	Sawtimber Poor	3.7	48	51-80	N/A	Lowland leather leaf bog with a pocket of log white pine, pushing stand into the 25-30% canopy cover.		
<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>
White Pine		85	Log/Pole	12	48	White Pine	Low	10 - 20 feet	Sapling
Red Maple		10	Pole	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Paper Birch		5	Pole	7		Red Maple	Low	5 - 10 feet	Sapling
<b>312</b>	4130 - Aspen	Poletimber Well	13.3	49	81-110	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 Maple		10	Pole	8		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		10	Log/Pole	11		Black Cherry	Low	>20 feet	Pole
Bigtooth Aspen		75	Pole/Log	8	49	Tag Alder	Low	5 - 10 feet	Tall Shrub
White Pine		5	Pole/Log	9		White Pine	Low	10 - 20 feet	Sapling
<b>314</b>	4131 - Aspen, Oak	Sawtimber Medium	5.4	71		N/A	Scattered drainages and low areas, including some deep drainages draining into Secord Lake. Leave as visual buffer for lake and adjacent homes and heavily traveled road.		
<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>
Bigtooth Aspen		57	Log/Pole	11	71	Paper Birch	Low	>20 feet	Sapling
White Pine		3	Log	16		Hawthorn (spp.)	Low	10 - 20 feet	Tall Shrub
Paper Birch		5	Pole	7		Red Maple	Low	>20 feet	Sapling
Black/Red (Hybrid) Oak		20	Log	12		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Red Maple		15	Log	12					
<b>315</b>	6112 - Lowland Aspen	Poletimber Well	13.9	37	81-110	N/A	Lowland aspen stand surrounded by the larger upland aspen stand. Harvest will need to be during dry summer or frozen winter months. Less basal area and a higher percentage of red maple.		
<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>
Quaking Aspen		75	Pole	7	37	Tag Alder	Low	10 - 20 feet	Tall Shrub
Paper Birch		5	Pole	6		Red Maple	Low	>20 feet	Sapling
Red Maple		20	Pole	7					
<b>316</b>	500 - Water	Nonstocked	1.0			No			