



# Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52181

Entry Year 2023

Acreage: 1,103

County Cheboygan

Management Area: Cheboygan Basin Moraines

**Revision Date:** 2021-05-04

**Stand Examiner:** Tricia St. Pierre

## Legal Description:

T35N R01W Section 8: all except the E1/2NE, NWNE; Section 17: all except the SWSW.

## Identified Planning Goals:

To provide for the protection, integrated management, and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan and its inhabitants.

## Soil and topography:

Soils within the compartment are generally sandy and well drained. Over 65% of the soils are Loamy Sand, nearly 30% are Sand, 2% are Mucky Sand, and 2% are Fine Sand. The remaining <2% of soils in this compartment are Muck and Peat.

Topography is variable with few very steep slopes, the majority of which occur in the south end. Undulating morainal ridges and valleys scattered elsewhere.

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

This compartment is bound on its west and south sides by private property, with variable State and private or other municipal property on its north and east sides. The ownership pattern is largely residential with a little commercial agriculture. The Cheboygan County Humane Society is located to the northeast of this compartment. There exists a high-intensity management GEMS unit to the east across M-33. M-33 and Hackleburg Road are both heavily travelled routes as throughways between Afton, Cheboygan, Indian River, and Black Lake.

## Unique Natural Features:

The Michigan Natural Features Inventory database indicates the potential for red-shouldered hawk (*Buteo lineatus*) and goshawk (*Accipiter gentilis*) within this compartment, but no known occurrences exist. The same holds true for the potential but considered absence for multiple other plant and animal T&E species; there are no known occurrences within this compartment.

The North Branch of the Little Pigeon River extends into this compartment.

## Archeological, Historical, and Cultural Features:

There are no known HAL features within this compartment, though the potential exists.

## Special Management Designations or Considerations:

There are no special management designations within this compartment, though

## Watershed and Fisheries Considerations:

This compartment is within the Little Pigeon River watershed, which is within the larger Cheboygan River drainage. The compartment contains a portion of the Little Pigeon River, which is a designated trout stream and is classified as a warm transitional stream through this reach. From the map, it looks like there is a treatment planned adjacent to the North Branch Little Pigeon River. A buffer should be maintained adjacent to the Little Pigeon River and its tributaries.

## Wildlife Habitat Considerations:

Primarily a mixture of oak and aspen covertypes, this compartment is known to be home to deer, elk, grouse, and turkey and is directly west of the Lee Grande Grouse Enhanced Management System (GEMS) area.

## Mineral Resource and Development Concerns and/or Restrictions

Sections 8 & 17, T35N-R1W, Cheboygan Co.

There is active sand & gravel and bedrock limestone production occurring less than three miles south. Bedrock appears to be too deep beneath the compartment to have economic potential, and potential for quality sand & gravel in the compartment appears to be limited. There was some minor production of hydrocarbons reported from the Collingwood Formation several miles to the southwest, but additional development of the Collingwood in northern Michigan is not thought to be economical at this time. There is no known potential for oil & gas from other known producing formations in

this area. There is no known potential for metallic minerals in this part of the state.

**Vehicle Access:**

Vehicular access is generally good to the perimeter of the compartment, the exception being private property along the south edge. Otherwise, The majority of the western, northern, and eastern boundaries are locked in by well maintained county roads. Interior access is seasonally limited, but the roads are in decent shape except for some areas retaining water and the potential to rut. Some roads are becoming overgrown.

**Survey Needs:**

There exist no current survey needs for forest management activities.

**Recreational Facilities and Opportunities:**

There are no maintained recreational trails or facilities within this compartment and the potential is limited considering the isolation by major roads.

**Fire Protection:**

There are no highly volatile timber types within this compartment, though the potential for wildfire does exist in dried grasses and in drought conditions. Access for suppression activities is good, though reliable access to water for drafting purposes is somewhat limited. Silver Lake, to the west, is a gated community but the closest water source. Otherwise, the Pigeon River Bay (on the south end of Mullet Lake), and the Pigeon River (pull-off south of Afton on Afton Road) are the nearest reliable water sources.

**Additional Compartment Information:**

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

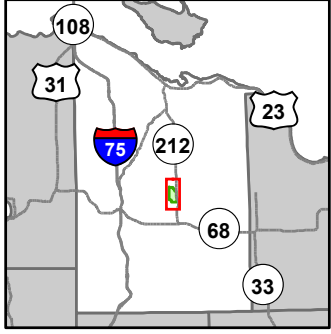
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

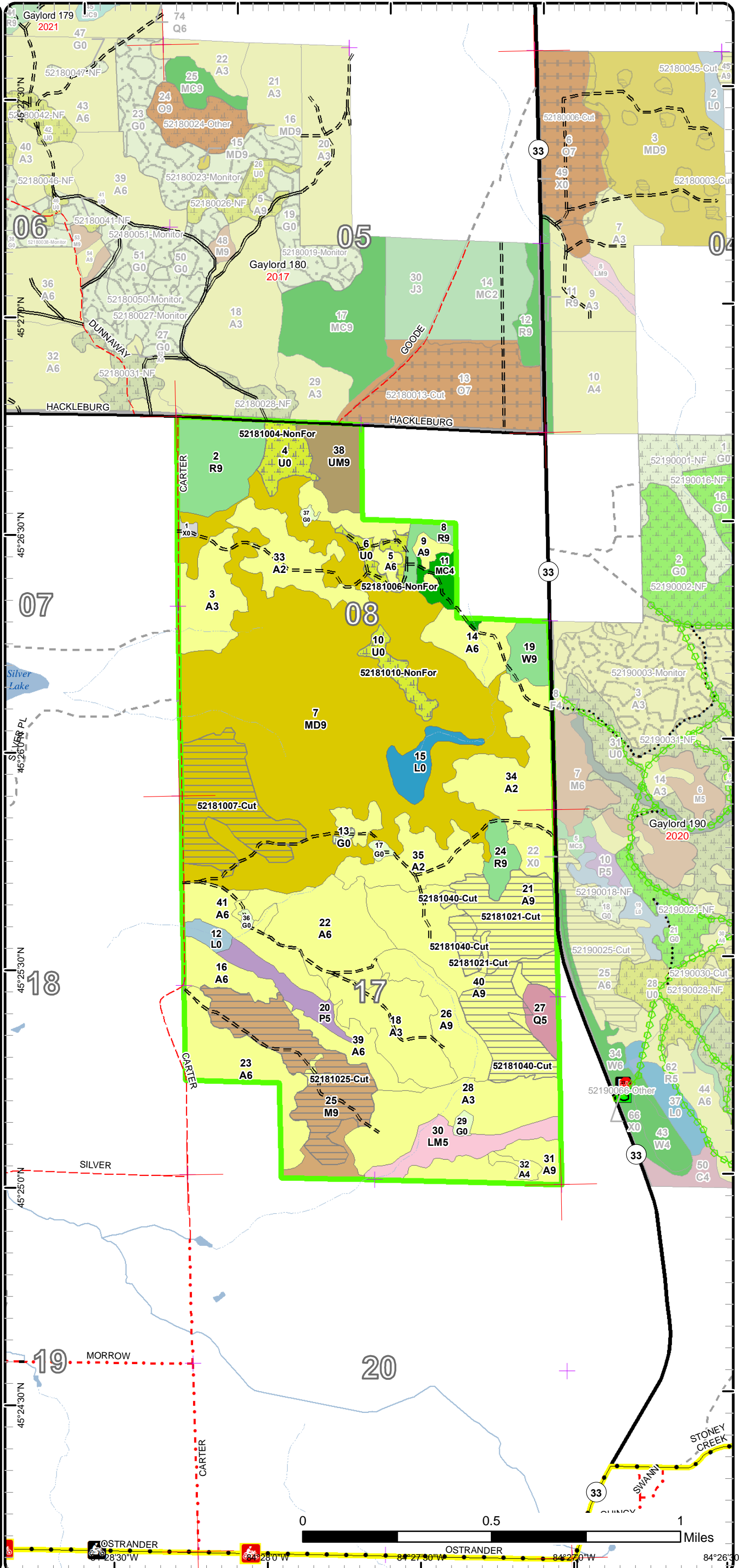
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 181  
 T35N, R01W, Sec. 8, 17  
 County: Cheboygan  
 Unit: Gaylord  
 Mgmt Area: Cheboygan Basin Moraines  
 YOE: 2023  
 Acres: 1103 GIS Calculated  
 Examiner: Tricia St. Pierre  
 Map Revised: 10/5/2021  
 Map Phase: Post-Review

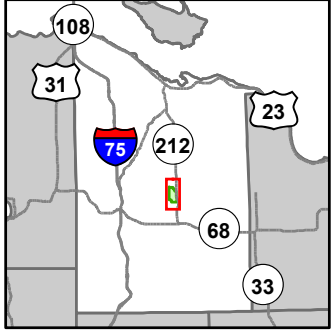


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- DNR - Management Access
- Motorcycle Trails (SOS License)
- MCCCT Trails
- Designated Hunter Walking Trails
- ORV License
- Michigan Cross Country Cycle Trail (MCCCT)
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- G Gate
- P Parking Lot
- STOP Sign
- Compartment Boundary
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland

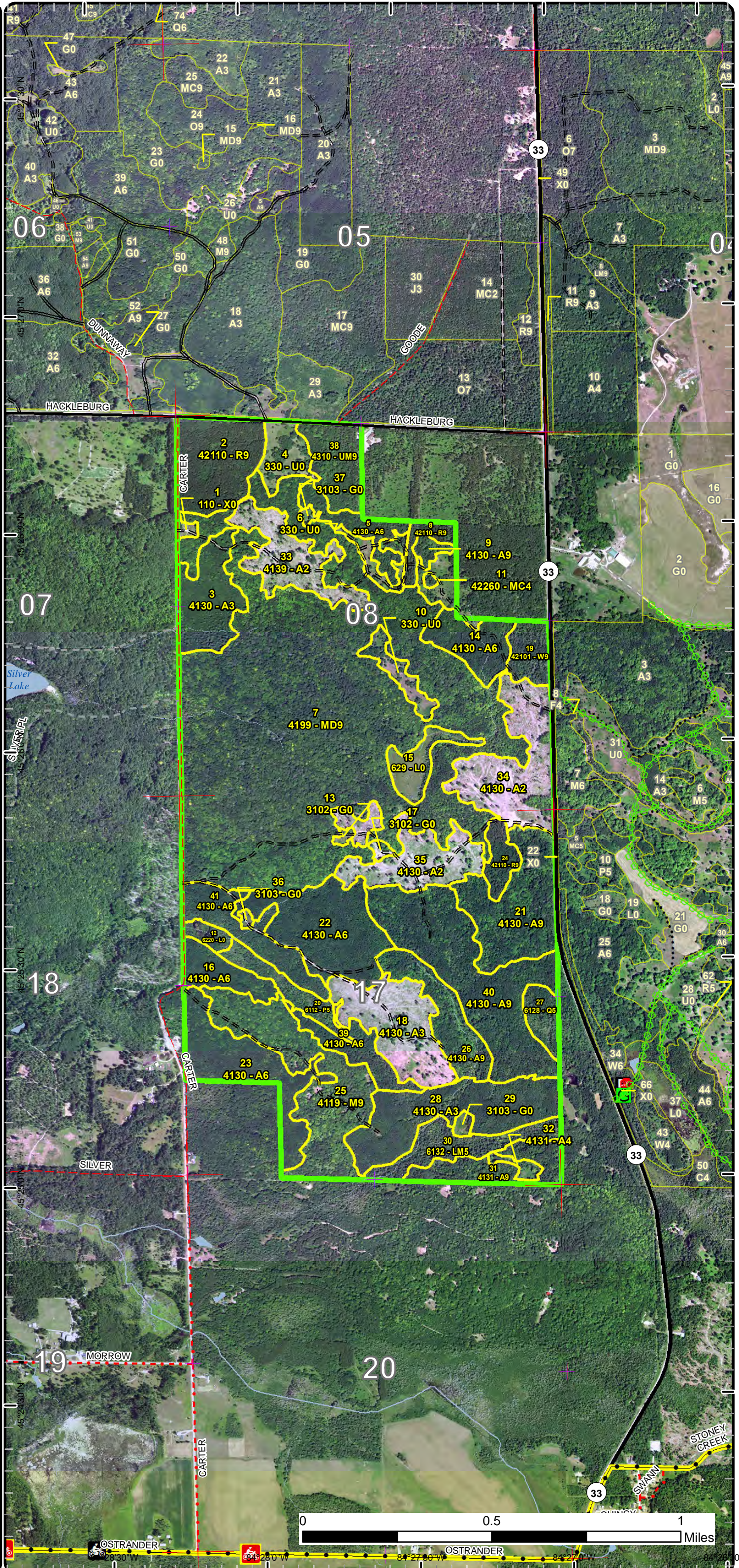


# Stand Boundary Map

Compartment: 181  
 T35N, R01W, Sec. 8, 17  
 County: Cheboygan  
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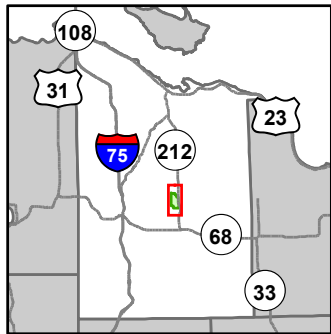


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- DNR - Management Access
- 🏍️ Motorcycle Trails (SOS License)
- 🚲 MCCCT Trails
- 👤 Designated Hunter Walking Trails
- 🚗 ORV License
- 🚲 Michigan Cross Country Cycle Trail (MCCCT)
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- G Gate
- P Parking Lot
- 🛑 Sign
- Compartment Boundary
- Stand Boundaries
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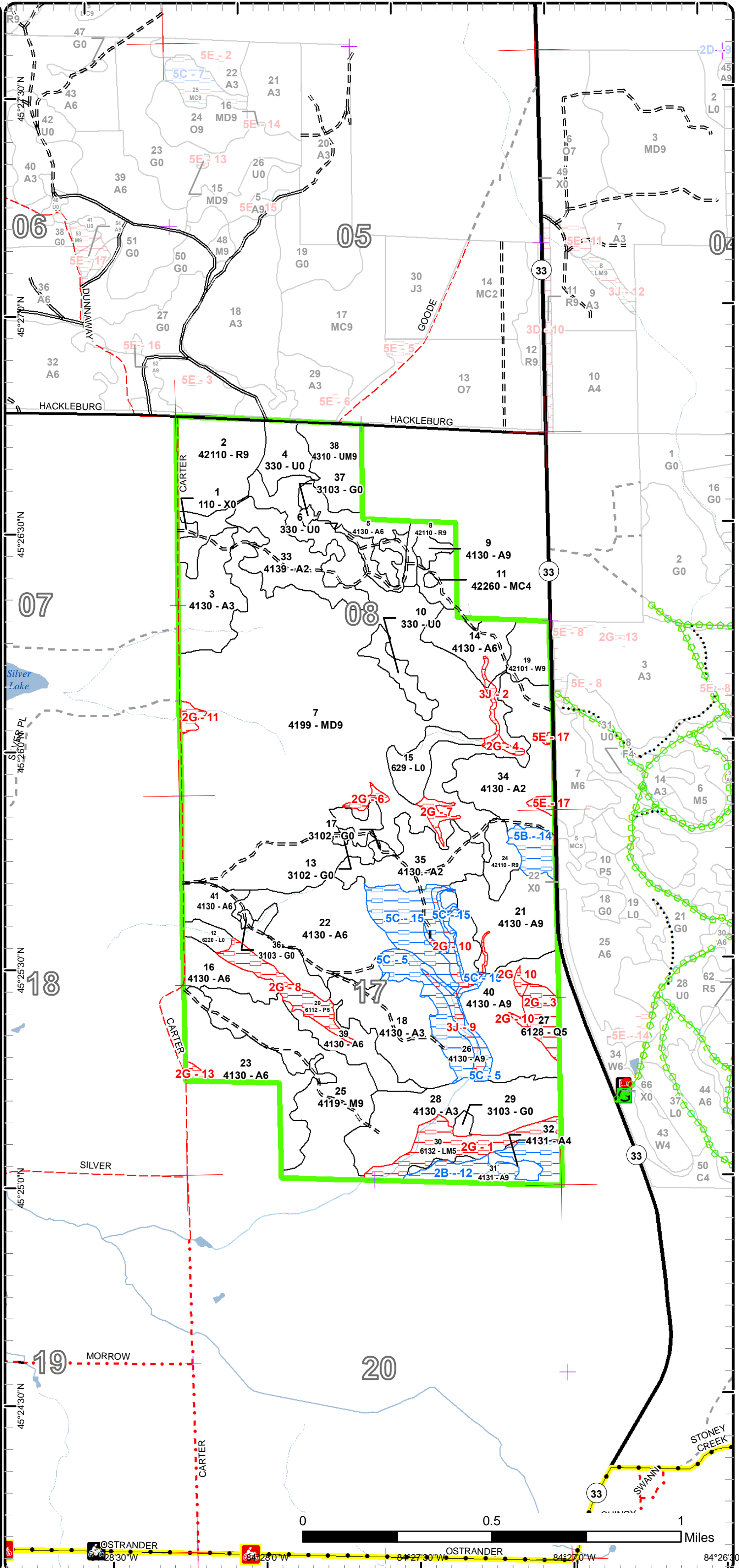


# Special Conservation Areas

Compartment: 181  
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 County: Cheboygan  
 Unit: Gaylord  
 Mgmt Area: Cheboygan Basin  
 Moraines  
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- Lake/Pond
- Perennial River
- Lakes and Rivers
- G Gate
- P Parking Lot
- Sign
- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes





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	134	0	92	49	161	0	27	60	0	0	0	0	0	0	0	0	0	521
Herbaceous Openland	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Low-Density Trees	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	12
Lowland Conifers	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Mixed Forest	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	20
Lowland Shrub	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	350	0	0	0	0	0	0	0	0	0	350
Natural Mixed Pines	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
Northern Hardwood	0	0	0	0	0	0	0	0	0	54	0	0	0	0	0	0	0	0	54
Red Pine	0	0	0	0	0	0	42	6	0	0	0	0	0	0	0	0	0	0	48
Upland Mixed Forest	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	20
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	11
<b>Total</b>	<b>51</b>	<b>134</b>	<b>0</b>	<b>92</b>	<b>49</b>	<b>169</b>	<b>51</b>	<b>65</b>	<b>441</b>	<b>0</b>	<b>54</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1104</b>



## Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 181

Total Compartment Acres: 1,103

Commercial Harvest - 163  
 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	70	0	0	0	0	0	0	0	0	70
Mixed Upland Deciduous	46	0	0	0	0	0	0	0	0	46
Northern Hardwood	48	0	0	0	0	0	0	0	0	48
<b>Total</b>	<b>163</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>163</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Pruning	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	163	0	0	0	0	0	0	28	0	191
Next Step	0	48	48	0	0	48	211	0	0	355
<b>Total</b>	<b>163</b>	<b>48</b>	<b>48</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>211</b>	<b>0</b>	<b>28</b>	<b>546</b>



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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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**Approved Treatments:**

<b>4</b>	<b>52181004-NonFor</b>	12.0	330 - Low-Density Trees	Nonstocked	0	Unspecified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous	No
<p><u>Prescription</u> Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>6</b>	<b>52181006-NonFor</b>	6.8	330 - Low-Density Trees	Nonstocked	0	Unspecified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous	No
<p><u>Prescription</u> Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>7</b>	<b>52181007-Cut</b>	45.5	4199 - Other Mixed Upland Deciduous	Sawtimber Well	75	81-110	Harvest	Clearcut with Retention	413 - Aspen Even-Aged	No
<p><u>Prescription</u> Final harvest, focusing treatment around areas heaviest to aspen. Do not cut any conifer or oak, all of which are incidental. Actual treatment boundaries may vary from proposed area based on field conditions. Exclude any drainages from harvest area if discovered during timber prep.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration will meet minimum stocking standards for aspen. The inclusion of hardwood is acceptable at any level.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>10 52181010-NonFor</b>	8.2	330 - Low-Density Trees	Nonstocked	0	Unspecified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>21 52181021-Cut</b>	31.2	4130 - Aspen	Sawtimber Well	70	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest, excluding wet and sensitive soils from treatment. Do not cut any oak or pine. Retention should be focused on east edge, encompassing pine and areas of high basswood regeneration.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration will meet minimum stocking requirements for aspen. The inclusion of hardwood at any level will be acceptable.</p> <p><u>Other Comment:</u> Redraw site conditions to reflect drainages, wet ground.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>25 52181025-Cut</b>	47.9	4119 - Mixed Northern Hardwoods	Sawtimber Well	97	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest with retention to be placed on the southernmost acreage and/or steepest slopes. Mark to leave oak and white pine at a density of no more than two trees per acre. (Oak mostly exist in the southern acreage of the stand.) Any high pockets of good quality desirable hardwood may be excluded from harvest if found during timber sale preparation.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Natural Regen</p> <p><u>Treatments:</u> (Intermediate)</p> <p><u>Acceptable Regen:</u> Acceptable regeneration will meet minimum stocking requirements for planted red pine on the flattest ground. Density of free planted pine on steep slopes may occur at any stocking level. An aspen covertime will be acceptable if there's greater than 50% occupancy of aspen regeneration and stand does not need follow-up planting efforts.</p> <p><u>Other Comment:</u> Plant to red pine at full density on plateaus; accepting planting to lower density red pine (and white pine if desirable/available) on slopes. Steepest acreage intended for natural regeneration. Flattest acreage to be planted to pine except where aspen clones &gt;5ac in size exist. Manage red pine monoculture through one rotation leaving slopes to be free or naturally thinned, encouraging desirable hardwood recruitment underneath. Leave aspen clones &gt;5ac intact and plant around them if feasible to do so.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>40 52181040-Cut</b>	38.3	4130 - Aspen	Sawtimber Well	48	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest. Do not cut any conifer or oak. Keep treatment out of wet and sensitive soils. Keep treatment to the east of the main drainage this entry, maintaining a 100' buffer along the headwaters of the North Branch of the Little Pigeon River.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration will meet minimum stocking standards for aspen. The inclusion of hardwood at any level will be acceptable.</p> <p><u>Other Comment:</u> Adjust site conditions to reflect wet ground. Western acreage can be joined with stand 22 for management.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
<b>13 NF_52181013-NonFor</b>	1.1	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard and soft mast.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

**Total Treatment Acreage Proposed: 191**

## Report 4 – Site Conditions

Gaylord Mgt. Unit

Compartment: 181

Tricia St. Pierre : Examiner

Year of Entry: 2023

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		2B	5B	5C	2G	3J	5E
522	439	<b>67</b>	16	Aspen	<b>17</b>	<b>8</b>	<b>42</b>	10	5	2
6	6	<b>0</b>	0	Herbaceous Openland						
27	27	<b>0</b>	0	Low-Density Trees						
12	0	<b>0</b>	12	Lowland Aspen/Balsam Poplar				12		
9	0	<b>0</b>	9	Lowland Conifers				9		
20	0	<b>0</b>	20	Lowland Mixed Forest				20		
16	16	<b>0</b>	0	Lowland Shrub						
350	341	<b>0</b>	10	Mixed Upland Deciduous				8	1	
8	8	<b>0</b>	0	Natural Mixed Pines						
54	54	<b>0</b>	0	Northern Hardwood						
47	47	<b>0</b>	0	Red Pine						
20	20	<b>0</b>	0	Upland Mixed Forest						
1	1	<b>0</b>	0	Urban						
11	11	<b>0</b>	0	White Pine						
1,103	970	<b>67</b>	66	Total Forested Acres	<b>17</b>	<b>8</b>	<b>42</b>	58	6	2
	88%	<b>6%</b>	6%	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	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	21	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stream corridor. Old raised railroad grade through stand. Evaluated and declined for SBW salvage.							
2	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stream corridor							

## Report 4 – Site Conditions

Gaylord Mgt. Unit

Compartment: 181

Tricia St. Pierre : Examiner

Year of Entry: 2023

3	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	9	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand comments indicate possible harvest though stand examiner was not available at this time for input.							
4	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Saturated soils							
5	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Vernal pool.							
7	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Drainage, potential for vernal pools.							

## Report 4 – Site Conditions

Gaylord Mgt. Unit

Compartment: 181

Tricia St. Pierre : Examiner

Year of Entry: 2023

8	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Drainage; flow impeded by road resulting in flooding. Supports cedar, yellow birch, red maple, basswood, hemlock, paper birch, quaking aspen, and dead ash. Cattails.							
12	<b>Available</b>	2B: Unknown if access through adjacent landowner(s) is possible	17	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Difficult access, infeasible through private. Possibility of coming across stream corridor with crane mats and/or portable bridge.							

## Report 4 – Site Conditions

Gaylord Mgt. Unit

Compartment: 181

Tricia St. Pierre : Examiner

Year of Entry: 2023

13	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Lowland inclusion of cedar and hemlock with white pine, red maple, quaking aspen, and balsam fir.							
14	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> North acreage has a relatively high stocking of basswood saplings, somewhat clumpy, trace round leaved dogwood, and other desirable hardwood regeneration. Reserve. Could be treated in future with adjacent R9 if so desired.							
15	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Delay treatment. To be treated with stand 22 in the future.							
17	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	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
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Comments

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**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																																													
1	110 - Low Intensity Urban	Nonstocked	1.5		Unspecified		Comm Site (radio tower), guywires. PB, RO, PC, RP (NE corner), sumac present. Browse on trees and shrubs.																																																																																																													
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2	42110 - Planted Red Pine	Sawtimber Well	33.1	59	111-140	N/A	Trace red maple, red oak, black cherry, basswood, and bigtooth aspen in the canopy. Full [mostly] desirable hardwood regen except in rows where equipment operated during the last thinning (a lot of sugar maple saplings >20'). A couple clumps of hardwood and/or aspen scattered throughout the plantation. Northernmost pocket is dominated by aspen (mostly quaking with some bigtooth); north-central is a hardwood pocked with sapling sugar maple, paper birch, basswood, and red oak >20'; south-central pocket is highly desirable sugar maple and red oak saplings (scattered oak poles) with basswood, white ash, ironwood, and black cherry. Rare occurrence of balsam fir, honeysuckle, maple leaved viburnum, and white pine in the subcanopy. One apple tree in the southeast. Pole/log paper birch scattered along the southeast edge. Planted in 1962. Third-row thinned in 1993. Marked thinning complete 6/2018, Porc Espin RP 52-152-13-01.																																																																																																													
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3	4130 - Aspen	Sapling Well	25.6	22	Immature	N/A	Raspberry and bracken fern along northeast road edge. Trace serviceberry and red pine in the canopy. Significant increase in white pine (residual) in the south: 10-100 BA, variable. Much higher stocking of sugar maple regen associated with higher density of white pine. In general, the regen is just as dense but smaller diameter under white pine canopy. There's a potentially wet draw in the southwest leading to a 1/2-acre pocket of residual log bigtooth, red oak, white pine, red pine, paper birch, beech, and sugar maple. Saw one gooseberry. Couple pockets of quaking aspen, but otherwise the stand is dominated by bigtooth. One elm in the south and an increase in red maple and QA. Trace yellow birch on west road edge.																																																																																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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4	330 - Low-Density Trees	Nonstocked	12.0	0	Unspecified	No	Trees present in various size classes, but the most prominent class is the only one listed in the stand data. Mullein present.
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Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Trace	Variable	Sapling
White Pine	Medium	Variable	Sapling
Red Oak	Low	>20 feet	Pole
Black Cherry	Low	>20 feet	Pole
Basswood	Low	>20 feet	Log
Sugar Maple	Low	>20 feet	Log
Ironwood	Low	5 - 10 feet	Sapling
Beech	Trace	5 - 10 feet	Sapling
Quaking Aspen	Medium	>20 feet	Log
Blackberry/Raspberry	Low	< 5 feet	Tall Shrub
Juniper	Trace	< 5 feet	Tall Shrub
Balsam Fir	Trace	Variable	Sapling
Jack Pine	Low	>20 feet	Pole
Staghorn Sumac	Trace	< 5 feet	Tall Shrub

5	4130 - Aspen	Poletimber Well	13.2	40	51-80	N/A	Northwest is pole bigtooth with a significant inclusion of residual (log/xlog/pole) red oak, transitioning eastward to pole/sap bigtooth with less oak, very little hardwood subcanopy, and further east to variable pole/log mixed aspen with an increase in pine. Trace jack pine, red pine, paper birch in canopy. Southern quarter of stand is dominated by log quaking aspen, 50-75% canopy closure with a desirable and densely stocked advanced hardwood subcanopy.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	6	Log/XLog/Pole	16	62
Bigtooth Aspen	55	Pole/Sap/Log	6	40
White Pine	1	Log/XLog/Pole	14	55
Red Maple	2	Pole/Sapling	6	
Quaking Aspen	35	Log/Pole	10	
White Ash	1	Sapling	4	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Sapling
Sugar Maple	Medium	Variable	Sapling
Red Oak	Trace	Variable	Sapling
White Ash	Low	Variable	Sapling
White Pine	Low	Variable	Sapling
Ironwood	Trace	Variable	Sapling
Black Cherry	Low	Variable	Sapling
Maple Leaved Viburnum	Trace	< 5 feet	Tall Shrub
Beech	Low	Variable	Sapling
Striped Maple	Trace	5 - 10 feet	Sapling
Serviceberry (Juneberry)	Low	>20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
6	330 - Low-Density Trees	Nonstocked	6.8	0	Unspecified	No	White pine, red pine, and aspen present in variable size classes. Aspen is starting to take over the east half of this stand.	
		<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Blackberry/Raspberry		High	< 5 feet	Tall Shrub		
		Red Oak		Trace	< 5 feet	Sapling		
		Red Oak		Trace	>20 feet	Log		
		White Pine		Low	Variable	Sapling		
		Quaking Aspen		Medium	Variable	Sapling		
		Bracken Fern		High	Unspecified	Non-Wood		
		Big Bluestem		Trace	Unspecified	Non-Wood		
		Scotch Pine		Trace	Variable	Sapling		
		Bigtooth Aspen		Medium	Variable	Sapling		
		Red Pine		Trace	Variable	Sapling		
7	4199 - Other Mixed Upland Deciduous	Sawtimber Well	350.2	75	81-110	N/A	Northernmost acreage is heavy to oak. Oak is present but somewhat scarce elsewhere. Trace yellow birch, ironwood, red pine, balsam fir in the canopy. Rare occurrences of white spruce, maple leaved viburnum, basswood, black cherry, hemlock, elm, and serviceberry in the subcanopy. BBD has killed 20% of the beech (+/-), expecting continued mortality. EAB killed most of the ash with a few lingering, having been affected by but recovered from infestation. A couple pockets dominated by ironwood saps. A couple other small (<1 ac) areas dominated by sap/pole or pole/sap hardwood/aspen - possibly 30 year old wildlife cuts. Wet areas are occupied by hazelnut, yellow and paper birch, quaking aspen, and dead black ash. Wetter ground, heavier to quaking aspen, significant increase in subcanopy balsam fir around stand 15 (L0) and its associated drainages. 2-3 acre drainage/saturation in the west; flow is disrupted by the road and has resulted in a pocket of cedar, willow, cattails, red maple, hemlock, white pine, quaking aspen, yellow birch, basswood, and dead black ash. White pine was interplanted in 1951. Notes make mention of elm and willow being present in a maple/beech/cherry/birch/aspen dominated landscape. S1/2SW Sec 8 contains three small, <1ac each, non-forested openings that were last maintained in 1984 (FTP W-51-313) and have since been swallowed up, now dominated by M3 or MD3. SWSE Sec 8 also has a small non-forested opening, long and narrow, also an MD3, last maintained in 1983 (FTP W-51-292) with stand 10 (U0).	
		<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>		<b>Age</b>
		Sugar Maple		35	Log/Pole	10		75
		Basswood		10	Log/Pole	12		
		White Ash		1	Pole	8		
		Beech		10	Log/Pole	12		
		Red Oak		6	Log/Pole/XLog	14		
		Bigtooth Aspen		14	Log/Pole	13		
		White Pine		7	Log/XLog/Pole	14		70
		Red Maple		2	Log/Pole	12		
		Paper Birch		1	Pole/Log/Sap	8		
		Quaking Aspen		14	Log/Pole	12		
		<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Sugar Maple		Low	>20 feet	Sapling		
		White Ash		Low	Variable	Sapling		
		Beech		Medium	Variable	Sapling		
		Balsam Fir		Low	Variable	Sapling		
		White Pine		Trace	Variable	Sapling		
		Ironwood		Low	Variable	Sapling		
		Hazelnut (Spp.)		Trace	5 - 10 feet	Tall Shrub		
		Red Maple		Trace	Variable	Sapling		
8	42110 - Planted Red Pine	Sawtimber Well	5.9	69	111-140	N/A	Thinning complete 6/2018, Porc Espin RP 52-152-13-01. Eastern portion is solid red pine with scattered pole bigtooth aspen. Western N-S leg is a mix of red and white pine. Trace aspen in canopy. More oak (and hardwood, in general) subcanopy in southwest. Rare quaking aspen, red pine, and balsam fir in subcanopy.	
		<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>		<b>Age</b>
		White Pine		15	Log/Pole/XLog	14		
		Red Pine		85	Log	13		69
		<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Bracken Fern		High	Unspecified	Non-Wood		
		Beech		Low	Variable	Sapling		
		Black Cherry		Trace	Variable	Sapling		
		White Pine		Medium	Variable	Sapling		
		Ironwood		Trace	5 - 10 feet	Sapling		
		Striped Maple		Low	Variable	Sapling		
		Red Oak		Trace	Variable	Sapling		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																										
9	4130 - Aspen	Sawtimber Well	4.0	61	51-80	N/A	Trace red maple, balsam fir, red oak, scotch pine in canopy. 80% canopy closure.																																																																										
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10	330 - Low-Density Trees	Nonstocked	8.2	0	Unspecified	No	Multiple size classes present for all trees. Encroaching hardwood, especially oak, maple, ironwood. Trace mullein scattered evenly. Last maintained in 1983 (FTP W-51-292), herbicide application and trail access blocked.																																																																										
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11	42260 - Natural Pine, Mixed Deciduous	Poletimber Poor	7.8	49	1-50	N/A	West half is more consistent to white pine with scattered QA. Trace witch hazel in southwest. East is more open with white pine saps, a couple QA clones. Northeast includes some red pine. Some bluestem in northeast grassy opening.																																																																										
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12	6220 - Alder/willow	Nonstocked	4.4		Unspecified	No	A series of old beaver dams and beaver damage.																																																																																																						
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14	4130 - Aspen	Poletimber Well	17.5	27	Unspecified	N/A	Rare elm, ironwood, paper birch, pin cherry in canopy. Canopy beech, oak, and white pine are generally residual from parent stand. Trace elderberry pin cherry, maple leaved viburnum, witch hazel, elm, and hazelnut in subcanopy. Stream with defined banks in southern portion of stand. A couple wet areas. Associates of BAM on low ground include elm, elderberry, hazelnut, honeysucks, and bulrush. One grape vine near stream, one on hilltop. More paper birch in the northwest tip of the stand. More residual pole/log beech on north side of hill in the northwest.																																																																																																						
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15	629 - Mixed non-forested wetland	Nonstocked	11.5		Unspecified	No	Swamp milkweed. Main body of stand 15 is dominated by bulrush with pockets of cattail, some willow. Northeast leg is dominated by willow and cattails with scattered bam and dead black ash. Trace white cedar on far south tip, otherwise there are dead scattered cedar throughout 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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16	4130 - Aspen	Poletimber Well	13.5	36	Unspecified	N/A	Some wetness in the southwest adjacent to road, also along north perimeter as ground drops into adjacent lowland corridor; trace BAM present on north edge. Still some areas dominated by saps, but overall moving into pole class. Trace red oak, white pine, yellow birch, black cherry, and BAM in canopy. Rare yellow birch, witch hazel, and cherry in subcanopy.		
<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		2	Pole/Sapling	6		Beech	Low	Variable	Sapling
Beech		1	Sapling	4		Balsam Fir	Medium	Variable	Sapling
Bigtooth Aspen		91	Pole/Sapling	6	36	Red Maple	High	Variable	Sapling
Red Maple		3	Sapling/Pole	4		Striped Maple	Trace	Variable	Sapling
Paper Birch		2	Pole/Sapling	6		Serviceberry (Juneberry)	Low	10 - 20 feet	Sapling
Balsam Fir		1	Pole/Log/Sap	7		Sugar Maple	Trace	>20 feet	Sapling

17	3102 - Grass	Nonstocked	1.5		Unspecified	No	
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Blackberry/Raspberry		Low	< 5 feet	Tall Shrub			
Spotted Knapweed		Medium	Unspecified	Non-Wood			
Big Bluestem		High	Unspecified	Non-Wood			
Beech		Low	< 5 feet	Tall Shrub			
Bracken Fern		Low	5 - 10 feet	Non-Wood			

18	4130 - Aspen	Sapling Well	35.2	4	Immature	N/A	Spotted knapweed, BAM in landing. Significant browse on hardwood regeneration. Retention of log/pole sugar maple, trace oak, and white pine, <3% total canopy cover. Thistle and mullein present in skid trails, landing. Observed two elm, two red pine saps 10-20'. Trace pin cherry. Stand is nearly an aspen monoculture.		
<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		75	Sapling	1	4	Blackberry/Raspberry	High	< 5 feet	Tall Shrub
Quaking Aspen		17	Sapling	1		Beech	Medium	< 5 feet	Sapling
White Ash		1	Sapling	1		Sugar Maple	Low	Variable	Sapling
Balsam Poplar		2	Sapling	1		Red Maple	Trace	Variable	Sapling
Red Maple		1	Sapling	1		Balsam Fir	Trace	Variable	Sapling
Sugar Maple		1	Sapling	1					
Sugar Maple		3	Log	12					

19	42101 - Planted White Pine, Mixed Deciduous	Sawtimber Well	11.3	70	111-140	N/A	Trace beech in the canopy. Rare maple leaved viburnum and black cherry in the subcanopy. Trace honeysuckle on east edge.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Paper Birch		4	Log/Pole	12		Sugar Maple	Trace	Variable	Sapling
Bigtooth Aspen		8	Log/Pole	12		White Ash	Trace	Variable	Sapling
White Pine		80	Log/Pole	14	70	Beech	Medium	Variable	Sapling
Red Maple		3	Log/Pole	12		Striped Maple	Trace	5 - 10 feet	Sapling
Red Oak		2	Log/Pole	12		White Pine	Trace	Variable	Sapling
Quaking Aspen		3	Log/Pole	12		Red Maple	Low	Variable	Sapling
						Red Oak	Low	>20 feet	Sapling
						Balsam Fir	Trace	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>20</b>	6112 - Lowland Aspen	Poletimber Medium	11.8	63	51-80	N/A	Formerly a lowland mixed deciduous, but ash has died out in the wake of EAB, leaving behind a stand dominated by aspen. Rare serviceberry, white cedar in the subcanopy. One red pine (Xlog) on south/southwest perimeter. Progressively lower stocking further northwest transitioning into L0/beaver floodings.			
<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		5	Pole/Log	8		Sugar Maple		Trace	Variable	Sapling
Yellow Birch		5	Log/Pole	10		Black Ash		Low	Variable	Sapling
Bigtooth Aspen		2	Pole/Log	8		Beech		Low	Variable	Sapling
Balsam Fir		3	Pole/Sapling	7		Balsam Fir		Medium	Variable	Sapling
Quaking Aspen		50	Pole/Log	8	63	Balsam Poplar		Trace	Variable	Sapling
Basswood		2	Log/Pole	10		American Elm		Low	Variable	Sapling
Northern White Cedar		1	Pole/Log/Sap	7		White Spruce		Trace	Variable	Sapling
Balsam Poplar		30	Pole/Log	8		Ironwood		Trace	Variable	Sapling
Paper Birch		1	Pole/Log	8						
American Elm		1	Pole/Sap/Log	6						

<b>21</b>	4130 - Aspen	Sawtimber Well	41.2	70	81-110	N/A	Trace balsam fir, red maple, balsam poplar, elm in canopy. Rare autumn olive, red oak, hemlock, serviceberry, paper birch, yellow birch, white spruce, round leaved dogwood, white pine saps, and scotch pine in the subcanopy. Multistemmed hardwood among nice aspen; scattered white ash snags. Impressive basswood regeneration in the north. White ash and beech are more or less the prominent regen elsewhere. Low, seasonally (or possibly perpetually) wet, hummocky ground in south and west; hydrology feeding into the north branch of the Little Pigeon. Southwest drainage supports quaking aspen, yellow birch, red maple, 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>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Sugar Maple		25	Pole/Log	8	60	White Ash		Medium	Variable	Sapling
Basswood		7	Log/Pole/XLog	12		Beech		Medium	Variable	Sapling
White Ash		1	Pole	6		Balsam Fir		Low	Variable	Sapling
Beech		2	Log/Pole	12		White Pine		Trace	>20 feet	Pole
Bigtooth Aspen		60	Log/Pole/XLog	13	70	Ironwood		Low	Variable	Sapling
White Pine		2	XLog/Log	18		Basswood		Low	Variable	Sapling
Red Pine		1	Log/XLog	16		Striped Maple		Trace	Variable	Sapling
Quaking Aspen		2	Log/Pole	10		Autumn Olive		Trace	5 - 10 feet	Tall Shrub
						Round Leaved Dogwood		Trace	10 - 20 feet	Tall Shrub

<b>22</b>	4130 - Aspen	Poletimber Well	43.1	42	Unspecified	N/A	Drainage in northwest with BAM and QA, trace grape vine. Rare basswood, elm, black cherry, pin cherry, white pine, red oak, balsam fir in canopy. Rare white spruce, white pine, basswood, red oak in subcanopy.			
<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>
Sugar Maple		3	Sapling/Pole	4		Serviceberry (Juneberry)		Low	Variable	Sapling
Paper Birch		1	Pole/Sapling	6		Sugar Maple		Low	Variable	Sapling
Quaking Aspen		15	Pole/Sap/Log	6		Balsam Fir		Low	Variable	Sapling
Bigtooth Aspen		75	Pole/Sap/Log	7	42	Beech		Low	Variable	Sapling
Red Maple		2	Pole/Sapling	6		White Ash		Low	Variable	Sapling
Balsam Poplar		2	Pole/Sapling	7		Ironwood		Low	Variable	Sapling
White Ash		2	Pole/Sapling	6		Striped Maple		Low	Variable	Sapling
						Maple Leaved Viburnum		Low	< 5 feet	Tall Shrub
						American Elm		Trace	>20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
<b>23</b>	4130 - Aspen	Poletimber Well	35.5	36	Unspecified	N/A	<p>Trace yellow birch and white pine in the canopy. There are some very large stumps with burn scars present. One hemlock sap 10-20'. Serious decline and mortality in the beech (from BBD). Scattered residual oak; one red pine.</p> <p>The southwest corner of the north half (at Carter Road) is a small 1-2 acre lowland inclusion, dominated by cedar and hemlock with quaking aspen, red maple, balsam fir, and white pine. Subcanopy is balsam fir, red maple, yellow birch, cedar, and hemlock.</p> <p>Handful of witch hazel 10-20' in the far south.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		1	Sapling/Pole/Log	4		Beech		Low	Variable	Sapling	
Beech		3	Pole/Log/Sap	8		Striped Maple		Low	Variable	Sapling	
Red Maple		3	Pole/Sap/Log	6		Red Maple		Low	Variable	Sapling	
Bigtooth Aspen		82	Pole/Log/Sap	7	36	Balsam Fir		Low	Variable	Sapling	
Balsam Fir		1	Pole/Log	8		Sugar Maple		Trace	Variable	Sapling	
Paper Birch		4	Pole/Sapling	6		White Pine		Trace	>20 feet	Pole	
Quaking Aspen		5	Pole/Sap/Log	7		Serviceberry (Juneberry)		Low	Variable	Sapling	
Red Oak		1	Pole/Log/XLog	8							
<b>24</b>	42110 - Planted Red Pine	Sawtimber Well	8.4	59	111-140	N/A		<p>Thinning complete 6/2018, Porc Espin RP 52-152-13-01.</p> <p>Trace black cherry, sugar maple in the canopy; approximately 2% ash and quaking aspen saplings mixing in with canopy, too. Rare white pine, balsam fir, basswood in the subcanopy. Dense advanced and fairly desirable regeneration, more so in the south 3/4 than the north 1/4 (north 1/4 is heavy to beech). EAB affected ash; some mortality but also some recovery.</p> <p>Moving forward, protect oak and desirable regen.</p>			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			Density	Avg. Height	Size
Red Pine		92	Log/Pole	11	59	Sugar Maple			Medium	Variable	Sapling
Bigtooth Aspen		7	Pole/Sapling	5		White Ash			Medium	Variable	Sapling
Red Oak		1	Pole/Sapling	6		Beech			Medium	Variable	Sapling
						Red Oak			Trace	Variable	Sapling
						Striped Maple			Low	Variable	Sapling
						Blackberry/Raspberry			Low	< 5 feet	Tall Shrub
						Quaking Aspen			Low	>20 feet	Sapling
<b>25</b>	4119 - Mixed Northern Hardwoods	Sawtimber Well	54.1	97	51-80	N/A	<p>Trace paper birch and red pine in canopy. Rare witch hazel (in far south only), red oak, red pine, and black cherry in subcanopy. South edge of stand has 50-75% closure and is dominated by oak and pine with aspen, red maple; witch hazel and bracken fern subcanopy. Oak is more consistent in the south; trace elsewhere. One white spruce in the north with some saplings in immediate proximity. Northeast edge is transitional in nature, becoming QA/BTA dominated with potential wetness. Dead scattered ash (EAB). One log scotch pine in west with some scattered scotch pine saplings. Decline and mortality in beech from BBD.</p> <p>There are some rather nice SM stems in the east central portion of the stand that could lend themselves to selective management. Otherwise, aspen is not a big enough component to direct management towards conversion, but there are some slopes that wouldn't be conducive to red pine management.</p> <p>Stand primarily occupies a PARVVb habitat type with AFO along the east edge with some of the best quality hardwood. White pine performs best, though red pine is well suited.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			Density	Avg. Height	Size
Sugar Maple		17	Log/Pole	10	91	Beech		Medium	Variable	Sapling	
Beech		53	Log	10	97	Ironwood		Low	Variable	Sapling	
Bigtooth Aspen		15	Log/Pole	12		Striped Maple		Trace	Variable	Sapling	
White Pine		1	Log/Pole/XLog	12		Balsam Fir		Low	Variable	Sapling	
Red Oak		2	Pole/Log	8		White Pine		Trace	Variable	Sapling	
Red Maple		5	Pole/Log	8							
Quaking Aspen		2	Log/XLog	16							
Basswood		5	Log/Pole	12							





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
<b>26</b>	4130 - Aspen	Sawtimber Well	22.5	60	51-80	N/A	Trace balsam fir, ironwood, black cherry in canopy. Rare red oak, white pine in subcanopy. Quaking aspen, cattails, hazelnut in/along drainage. Prominent ridge in the south half, west of the drainage, sort of plateaus out in the north half (at least a gentler slope) with some undulation. North end has better quality, higher density aspen. Pockets of pole aspen mixed throughout.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		15	Log/Pole	10		Sugar Maple		Medium	< 5 feet	Seeding	
Basswood		10	Log/Pole	12		White Ash		Low	Variable	Sapling	
White Ash		2	Pole/Sapling	7		Beech		Medium	Variable	Sapling	
Beech		2	Log/Pole	10		Sugar Maple		Low	Variable	Sapling	
Bigtooth Aspen		40	Log/Pole/XLog	14	60	Serviceberry (Juneberry)		Low	10 - 20 feet	Sapling	
Quaking Aspen		30	Log/Pole/XLog	14		Hazelnut (Spp.)		Low	5 - 10 feet	Tall Shrub	
Red Oak		1	Log	10		Maple Leaved Viburnum		Low	< 5 feet	Tall Shrub	
<b>27</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	8.6	50	81-110	N/A		Trace elm and yellow birch in the canopy. Rare cedar, yellow birch in the subcanopy. Dead black ash. West edge is a fairly soft transition with balsam fir, basswood, and quaking aspen.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			Density	Avg. Height	Size
Quaking Aspen		20	Pole/Log/XLog	8		Balsam Fir			Medium	Variable	Sapling
Balsam Fir		35	Pole/Sap/Log	8	50	American Elm			Trace	>20 feet	Pole
Basswood		7	Pole/Log	9		Ironwood			Trace	Variable	Sapling
Northern White Cedar		30	Pole/Log	9	88	Honeysuckle (spp.)			Trace	< 5 feet	Tall Shrub
Red Maple		6	Pole/Log	9		Black Ash			Low	Variable	Sapling
Bigtooth Aspen		2	Pole/Log	8		Cattail spp.			Low	Unspecified	Non-Wood
						Balsam Poplar			Trace	Variable	Sapling
						Sugar Maple			Trace	10 - 20 feet	Sapling
<b>28</b>	4130 - Aspen	Sapling Well	45.4	27	Unspecified	N/A	Very nearly a pole stand. Areas are definitely 6" average. Trace paper birch, elm, red pine, white spruce, serviceberry, pin cherry in canopy. Rare white pine in subcanopy. Residual balsam fir elm, oak, and white pine, scattered throughout stand. Quaking aspen is slightly smaller in diameter than BTA. BAM is located along the drainage that flows through the center of the stand along with quaking aspen, paper birch, balsam fir, cattails, willow, hazelnut, and round-leaved dogwood. Black cherry presence increases with wetness in this stand. Road coming into the far west is lined with pole conifer, mostly red and white pine, but spruce, scotch pine, sugar maple are present with staghorn sumac and autumn olive. Oak is mostly present in the east half.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		1	Pole/Sapling	6		Balsam Fir		Low	Variable	Sapling	
White Ash		3	Sapling/Pole	4		Maple Leaved Viburnum		Trace	< 5 feet	Tall Shrub	
Quaking Aspen		20	Sapling/Pole	4		Beech		Trace	Variable	Sapling	
Bigtooth Aspen		65	Sapling/Pole	4	27	Pin Cherry		Trace	>20 feet	Sapling	
Balsam Fir		2	Log/Pole	12		Sugar Maple		Low	Variable	Sapling	
Balsam Poplar		1	Pole/Sapling	6		Striped Maple		Trace	5 - 10 feet	Sapling	
Red Maple		2	Sapling/Pole	3		Red Maple		Low	Variable	Sapling	
Basswood		1	Sapling/Pole	3		Autumn Olive		Trace	5 - 10 feet	Tall Shrub	
Black Cherry		1	Pole/Sapling	6		Serviceberry (Juneberry)		Trace	Variable	Sapling	
White Pine		1	XLog/Log/Pole	18		Black Cherry		Trace	Variable	Sapling	
Red Oak		3	Pole/Log/XLog	8		Ironwood		Low	>20 feet	Sapling	
						White Ash		Low	Variable	Sapling	
						Red Oak		Low	Variable	Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**29** 3103 - Rubus-Fern Nonstocked 1.7 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Bracken Fern	High	Unspecified	Non-Wood
Black Cherry	Low	Variable	Sapling
Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
Big Bluestem	Low	Unspecified	Non-Wood
Aspen (spp.)	Low	< 5 feet	Sapling
Apple (spp.)	Trace	10 - 20 feet	Sapling
American Elm	Trace	>20 feet	Pole

**30** 6132 - Mixed Lowland Forest with Cedar Poletimber Medium 19.5 66 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	35	Log/Pole	12	66
Balsam Fir	32	Pole/Log/Sap	8	63
Yellow Birch	3	Pole/Log/Sap	8	
Northern White Cedar	20	Log/Pole	10	70
Bigtooth Aspen	2	Log/Pole/XLog	16	
Paper Birch	2	Pole/Sapling	7	
Balsam Poplar	2	Log/Pole	10	
American Elm	1	Pole/Sapling	7	
Red Maple	3	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Black Ash	Trace	Variable	Sapling
Beech	Trace	< 5 feet	Sapling
Tag Alder	Low	10 - 20 feet	Tall Shrub
Round Leaved Dogwood	Trace	5 - 10 feet	Tall Shrub
Sugar Maple	Trace	Variable	Sapling
Apple (spp.)	Trace	10 - 20 feet	Pole
Red Maple	Trace	Variable	Sapling
Cattail spp.	Trace	Unspecified	Non-Wood
Balsam Poplar	Trace	Variable	Sapling
Willow spp.	Trace	Variable	Sapling
Hazelnut (Spp.)	Trace	5 - 10 feet	Tall Shrub

There's an old railroad grade along the stream. Dwarf scouring rush associated with cedar. Scattered dead black ash. Trace white spruce, white pine, basswood in canopy. Trace cedar in subcanopy. Northwest bubble is very wet with BAM and quaking aspen. The grade in the east half of the stand is slightly more raised and supports trace amounts of ironwood, beech, sugar maple, and red oak. Yellow birch picks up in the center of the stand along with balsam fir. BF becomes somewhat dense as pole/sap, especially on top of the grade (and increase in Xlog QA).

**31** 4131 - Aspen, Oak Sawtimber Well 18.4 78 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Pole/Log	8	78
Red Maple	10	Log/Pole	10	
Beech	3	Pole/Log	8	
Red Oak	20	Pole/Log/XLog	8	
Paper Birch	5	Pole/Log	8	
Bigtooth Aspen	43	Log/XLog/Pole	14	78
Red Pine	2	Log/Pole	14	
Balsam Fir	1	Log/Pole	10	
White Pine	1	Log/Pole	12	
Quaking Aspen	5	Log/XLog	14	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
Ironwood	Low	Variable	Sapling
Striped Maple	Low	Variable	Sapling
Red Maple	Low	5 - 10 feet	Sapling
Serviceberry (Juneberry)	Trace	10 - 20 feet	Sapling
Red Oak	Trace	>20 feet	Sapling
White Ash	Trace	< 5 feet	Sapling
Red Pine	Trace	>20 feet	Sapling
Maple Leaved Viburnum	Trace	5 - 10 feet	Tall Shrub
Sugar Maple	Low	Variable	Sapling
Paper Birch	Trace	>20 feet	Sapling

BAs are generally lower but spike, densest in aspen clones. East half of stand is definitely log aspen dominated; west half is on the low end of 75% closure with a mix of pole/log hardwood (maple, oak) with scattered bigtooth and quaking aspen. Last inventory included sap/pole midcanopy in canopy cover, but there's still stratification between that midcanopy and the true canopy trees. Oak is rather nice quality. A couple rows of planted red pine still exist along the southwest edge. Balsam fir (and red pine) really pick up in the far west. Entire stand slopes in one fashion or another, generally north-facing dropping into the adjacent stream corridor. Somewhat steep in a couple spots, but operable. Trace white ash, black cherry, basswood in the canopy. Rare white pine in the subcanopy.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>32</b>	4131 - Aspen, Oak	Poletimber Poor	2.8	28	Unspecified	N/A	Main southern opening is sort of a little non-forested bowl with sap/pole white pine with weevil damage. The west arm runs down a ridge with variable pockets of oak and aspen with scattered maple and pine,	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Sapling/Pole	3		Bracken Fern	High	Unspecified	Non-Wood
Red Oak	40	Pole/Sap/Log	7		Red Oak	Low	< 5 feet	Sapling
Quaking Aspen	5	Sapling/Pole	3	37	Beech	Low	Variable	Sapling
Bigtooth Aspen	44	Sapling/Pole	4	28	White Pine	Trace	Variable	Sapling
Ironwood	2	Sapling	3		Balsam Fir	Low	Variable	Sapling
White Pine	5	Sapling/Pole	4		Serviceberry (Juneberry)	Trace	10 - 20 feet	Sapling
Black Cherry	1	Pole/Sapling	5		Red Maple	Low	Variable	Sapling
Sugar Maple	1	Pole	8					
<b>33</b>	4139 - Aspen, Mixed Deciduous	Sapling Medium	26.5	4	Immature	N/A	Harvest complete in 2016. Amalgamation Aspen-Mixed Hwd, 52-153-13-01. Scattered residual oak and maple serving as retention. Trace red pine (log) also. Some areas of regen are minimally stocked, dominated by browsed beech brush (<3', bushy). Mullein and thistle in skid trails. Heavy deer and elk browsing pressure on hardwood regen, especially.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Sapling	1		Blackberry/Raspberry	Full	< 5 feet	Tall Shrub
Bigtooth Aspen	40	Sapling	1	4	Beech	High	Variable	Sapling
Beech	22	Sapling	1		Ironwood	High	Variable	Sapling
Red Maple	1	Sapling	1		Red Oak	Trace	< 5 feet	Sapling
Ironwood	15	Sapling	1		Sugar Maple	Trace	Variable	Sapling
Sugar Maple	1	Sapling	1		White Ash	Trace	Variable	Sapling
Balsam Poplar	1	Sapling	1		Bracken Fern	Low	Unspecified	Non-Wood
Red Oak	1	Sapling	1		Striped Maple	Low	5 - 10 feet	Sapling
Basswood	1	Sapling	1		White Pine	Trace	< 5 feet	Sapling
White Ash	2	Sapling	1		Balsam Fir	Trace	Variable	Sapling
White Pine	1	Pole/Sapling	6					
Red Oak	3	Log/XLog	14	68				
Sugar Maple	2	Log	12					
<b>34</b>	4130 - Aspen	Sapling Medium	41.5	4	Immature	N/A	Harvest was completed in spring 2016, Amalgamation Hardwood and Aspen. Scattered residual deciduous and coniferous species serving as within stand retention. Retention pockets along road composed of pole/log hardwood (beech, maple, oak) with aspen; beech, ironwood, balsam fir subcanopy. Trace hemlock within LTR and residual within harvest area. West central portion of stand is pretty wet with a lot of bulrush and some cattails. Trace balsam fir in main sapling canopy. Higher stocking of striped maple in the northwest (low, vs trace elsewhere); observed one maple leaved viburnum in the northwest. Mullein and thistle present.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	50	Sapling	1	4	White Ash	Low	Variable	Sapling
Ironwood	2	Sapling	1		White Pine	Trace	< 5 feet	Sapling
White Ash	2	Sapling	1		Ironwood	Low	Variable	Sapling
Quaking Aspen	32	Sapling	1		Red Maple	Trace	< 5 feet	Sapling
Beech	5	Sapling	1		Sugar Maple	Trace	< 5 feet	Sapling
Balsam Poplar	5	Sapling	1		Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
Sugar Maple	2	Log/Pole	12	68	Beech	Medium	Variable	Sapling
Red Oak	1	Log/Pole	12		Striped Maple	Trace	Variable	Sapling
White Pine	1	Log/Pole	16		Balsam Fir	Low	Variable	Sapling
					Bulrush	Low	Unspecified	Non-Wood
					Balsam Poplar	Trace	Variable	Sapling
					Cattail spp.	Trace	Unspecified	Non-Wood



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>35</b>	4130 - Aspen	Sapling Medium	31.4	4	Immature	N/A	Treatment completed in spring 2016, Amalgamation Hardwood and Aspen. A little bit of wetness to the southern and southwestern edge of this stand - some bulrush and increased quaking aspen, BAM. Scattered mixed deciduous trees and trace white pine (one red pine) in canopy (log/pole) serving as within stand retention. Rare basswood, striped maple, ironwood in subcanopy. Trace red oak and white ash regen in main sapling canopy. Slight increase in striped maple and ironwood in northwest island.
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Canopy Species	% Cover	Size Class	DBH	Age
Beech	2	Sapling	1	
Red Maple	1	Sapling	1	
Balsam Poplar	2	Sapling	1	
Ironwood	1	Sapling	1	
Red Oak	1	Pole/Log	8	
Sugar Maple	3	Log/Pole	12	68
Bigtooth Aspen	75	Sapling	1	4
Quaking Aspen	15	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
Blackberry/Raspberry	Full	< 5 feet	Tall Shrub
Beech	High	Variable	Sapling
Balsam Poplar	Low	Variable	Sapling
Balsam Fir	Trace	< 5 feet	Sapling
Sugar Maple	Trace	< 5 feet	Sapling
Red Maple	Low	Variable	Sapling
White Ash	Low	Variable	Sapling

<b>36</b>	3103 - Rubus-Fern	Nonstocked	0.9	0	Unspecified	No	Milkweed, mullein present.
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Sub-Canopy Species	Density	Avg. Height	Size
Apple (spp.)	Trace	>20 feet	Pole
Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
White Pine	Trace	Variable	Sapling
Red Pine	Trace	10 - 20 feet	Sapling
Big Bluestem	Low	Unspecified	Non-Wood
Bracken Fern	Medium	Unspecified	Non-Wood
Spotted Knapweed	Low	Unspecified	Non-Wood
Balsam Fir	Trace	Variable	Sapling
Bigtooth Aspen	Low	Variable	Sapling
Balsam Poplar	Low	Variable	Sapling

<b>37</b>	3103 - Rubus-Fern	Nonstocked	1.0	0	Unspecified	No	Small non-forested opening. Could be more bracken under snow. White pine sap/pole, red oak pole/sap.
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Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Sapling
Red Oak	Low	>20 feet	Pole
Bigtooth Aspen	Trace	Variable	Sapling
Staghorn Sumac	Low	5 - 10 feet	Tall Shrub
Blackberry/Raspberry	High	< 5 feet	Tall Shrub
Black Cherry	Trace	>20 feet	Pole
Red Maple	Trace	10 - 20 feet	Sapling
Ironwood	Trace	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>38</b>	4310 - Pine, Oak Mix	Sawtimber Well	19.5	76	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	5	Pole/Sap/Log	8	
Red Oak	25	Log/XLog	14	76
Bigtooth Aspen	25	Sapling/Pole	4	36
White Pine	20	Log/Pole	12	
Red Maple	4	Sapling/Pole	3	
Paper Birch	1	Sapling/Pole/Log	4	
Red Pine	20	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Trace	Variable	Sapling
Balsam Fir	Trace	Variable	Sapling
White Pine	Low	Variable	Sapling
Red Oak	Low	Variable	Sapling
Red Pine	Trace	Variable	Sapling
Serviceberry (Juneberry)	Trace	Variable	Sapling
Sugar Maple	Trace	Variable	Sapling
Red Maple	Low	Variable	Sapling

Trace sugar maple and quaking aspen in canopy. Rare jack pine, striped maple, maple leaved viburnum in subcanopy. Off-site aspen; very nice pine and oak.  
A patchy two-aged stand. West edge is largely sap/pole aspen, south third is a mix of log oak with scattered pine and sap/pole aspen/red maple. North-central is overstory log oak with pine and mixed deciduous sap/pole. East edge is much heavier to pine: red pine with jack pine and oak, white pine.  
BAs 30, 60, 40, 150 (RP), 60, 80 = 70 ave

<b>39</b>	4130 - Aspen	Poletimber Well	14.2	42	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	1	Pole/Log	8	
Quaking Aspen	35	Log/Pole	10	
Bigtooth Aspen	55	Pole/Log	8	42
Balsam Fir	1	Pole/Log	8	
Red Maple	3	Pole/Log	8	
Basswood	2	Pole/Log/Sap	7	
Balsam Poplar	3	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Buckthorn	Trace	Variable	Tall Shrub
Beech	Low	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
White Ash	Trace	Variable	Sapling
Ironwood	Low	Variable	Sapling
Serviceberry (Juneberry)	Trace	10 - 20 feet	Sapling

Trace white cedar (far south tip), red oak, elm, paper birch in canopy. Rare elm, alder, witch hazel, hawthorn, paper birch, apple, willow, BAM, and hazelnut in subcanopy. Buckthorn in south tip.  
Very wet corridor along east edge and south. Couple pockets of larger diameter aspen. The east half of the stand is noticeably different than the west half: east is much wetter, quaking aspen with bigtooth, greater subcanopy diversity. West half is more consistently bigtooth with scattered hardwood and drier, but still has a moist transition into adjacent lowland corridor.

<b>40</b>	4130 - Aspen	Sawtimber Well	68.3	48	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	2	Log/Pole	12	
Basswood	1	Log/Pole	10	
Balsam Poplar	5	Log/Pole	10	
Quaking Aspen	43	Log/Pole	10	
Bigtooth Aspen	45	Log/Pole	10	48
White Ash	1	Pole/Sapling	6	
Red Maple	3	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Sapling
White Ash	Low	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
Sugar Maple	Trace	Variable	Sapling
Yellow Birch	Trace	>20 feet	Sapling
Ironwood	Trace	Variable	Sapling
Maple Leaved Viburnum	Trace	< 5 feet	Tall Shrub
Serviceberry (Juneberry)	Trace	>20 feet	Sapling
Striped Maple	Trace	5 - 10 feet	Sapling
Beech	Low	Variable	Sapling

Vernal pools throughout stand; prominent drainage. Trace white pine, white cedar, beech, elm, yellow and paper birch, black cherry in canopy. Rare hazelnut, red oak, black cherry, in subcanopy.  
More hardwood (sugar maple, basswood, yellow birch, red oak, ironwood) mixed in with canopy in the northwest. Southeast is rather hummocky, especially around stand 27; increase in balsam fir. Tiny opening in west central with white pine, black cherry, elm, and honeysuckle. Trace pin cherry.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
<b>41</b>	4130 - Aspen	Poletimber Well	22.1	42	Unspecified	N/A	Trace black cherry, basswood, sugar maple in canopy. Rare raspberry, red oak, round leaved dogwood, beech, white pine, paper birch, ironwood, hawthorn, and hazelnut in the subcanopy. Sugar maple saplings are associated with canopy bigtooth aspen. Small leg extending north of the road follows a drainage with BAM, trace willow and gooseberry; trace paper birch on the perimeter. Bigtooth aspen is most prominent on highest, driest ground; elsewhere dominated by quaking aspen with high balsam fir subcanopy. Medium serviceberry stocking in some areas. Balsam fir stocking is medium to full, variable. Trace white pine on perimeter of stand 12 and 42. Some relatively recent beaver damage on the edge of stand 12. Where not dominated by balsam fir, subcaopy occasionally consists of green and/or black ash, BAM, RM, and serviceberry.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Paper Birch		1	Pole/Sap/Log	5		Balsam Fir		High	Variable	Sapling	
Quaking Aspen		66	Pole/Sap/Log	7	42	Balsam Poplar		Trace	Variable	Sapling	
Bigtooth Aspen		10	Pole/Log/Sap	7	42	Green Ash		Low	Variable	Sapling	
Balsam Fir		5	Pole/Log/Sap	8		Black Ash		Trace	Variable	Sapling	
American Elm		1	Pole/Sapling	6		Sugar Maple		Trace	Variable	Sapling	
Balsam Poplar		15	Pole/Log/Sap	8		Black Cherry		Trace	Variable	Sapling	
Red Oak		1	Pole/Log/Sap	8		Serviceberry (Juneberry)		Low	Variable	Sapling	
Red Maple		1	Pole/Sapling	5		Red Maple		Low	Variable	Sapling	