



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32033

Entry Year 2025

Acreage: 1,287

County Marquette

Management Area: Suomi Till and Outwash Plain

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**Stand Examiner:** George Wilson

**Legal Description:**

T45N R26W, Sections 4,9,16

**Identified Planning Goals:**

To improve the quality and diversity of State forests and wildlife through proper habitat management, while protecting the riparian values of our wetlands and waters.

**Soil and topography:**

Terrain ranges from fairly level to very steep with high ridges, sink holes, and drainages. Soils are primarily excessively drained sands including Rubicon, Croswell, Munising, and Kalkaska with Tawas, Lupton, and Carbondale mucks along the drainages.

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

Primarily state land to the south and west with extensive private ownership on the east side.

**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:**

SCA's along drainages and Bear Creek.

**Watershed and Fisheries Considerations:**

This compartment contains Beer Creek and the Middle Branch Escanaba River. Bear Creek and the Middle Branch Escanaba River are designated Type 1 trout streams less than 50 feet wide and have predicted mean July temperatures of 62.2 and 66.4 °F, respectively (cold, cool stream). 300-foot buffers are recommended for Bear Creel and the Middle Branch Escanaba River in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended to protect these areas in accordance with Best Management Practices.

**Wildlife Habitat Considerations:**

Compartment 33 is found within the Chain Lakes Management Area; which is a Disintegration Moraine in Southwestern Marquette County. The State Forest covers about 84,600 acres and is mostly contiguous. State Forest Lands are the major ownership in this vicinity. The dominant Natural Communities are dry mesic northern forests, poor conifer swamps, and mesic northern forests. Major forest cover types include Aspen, Mixed Lowland Conifer, and Jack Pine. In general, this area has a mid-range site quality. This management area provides multiple benefits to the public including forest products, dispersed recreational activities, and habitat for fish and wildlife species. Some of the most significant wildlife management issues in the management area are: mast (hard and soft); habitat fragmentation; mature forest conditions; mesic conifer; course woody debris; and retention or development of large living and dead standing trees (for cavities). Wildlife Division would like to increase the oak resource within this management area and to optimize acorn production. This management area represents approximately ¼ of the oak resource on WUP state forest. In addition to promoting mast crops another priority is to maintain or increase wildlife corridors especially along riparian corridors.

The following have been identified as featured species for the Chain Lakes Management Area: Black bear, Gray Jay, Pileated Woodpecker, Northern Goshawk, Red Crossbill. However, the featured species concept does not preclude the management for other wildlife species within a particular MA, rather it is simply intended to be as a tool to help prioritize or focus habitat management.

For lands purchased with Pittman–Robertson Act or Game and Fish funds, the primary objective of vegetative management must be wildlife restoration.

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

Sections 4, 9 & 16, T45N-R26W, Marquette County

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and coarse-textured glacial till. The glacial drift thickness varies between 100 and 200 feet. Archean Granite/Gneiss subcrops below the glacial drift. Some of the granite/gneiss has been/could be used as dimension stone. Gravel pits are located one mile to the south and there should be some potential. Abandoned iron mines are located four miles to the east. This area was previously leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:**

Good from Co. Rd 565, Crooked Lake Rd and various 2-tracks.

**Survey Needs:**

None at this time.

**Recreational Facilities and Opportunities:**

Bass Lake motorcycle trail runs thru section 16.

**Fire Protection:**

This compartment has a moderate risk for fire but access is good.

**Additional Compartment Information:**

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

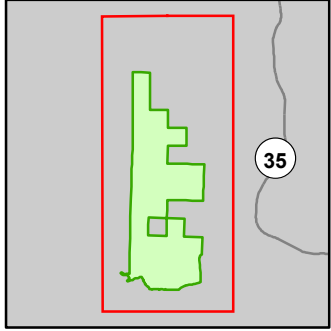
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

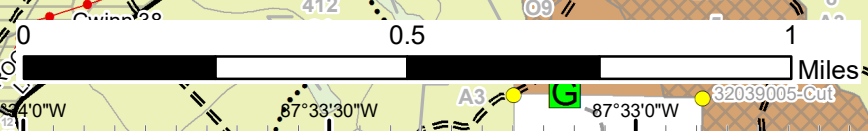
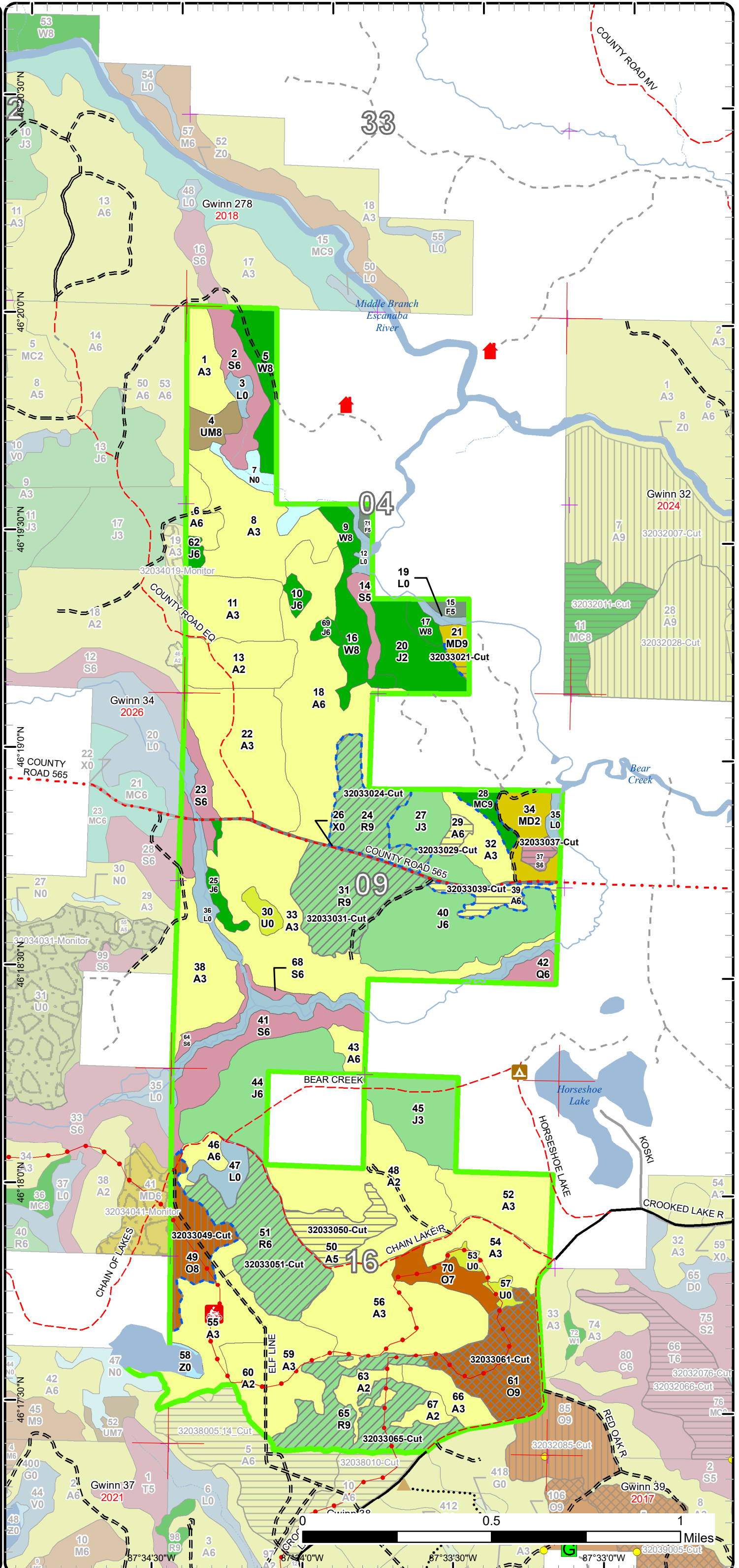
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 33  
 T45N, R26W, Sec. 04,09,16,17  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Suomi Till and  
 Outwash Plain  
 YOE: 2025  
 Acres: 1286.8 GIS Calculated  
 Examiner: George Wilson  
 Map Revised: 8/18/2023  
 Map Phase: Pre-Review

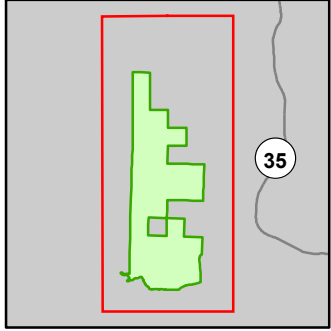


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- DNR - Management Access
- 🏍️ Motorcycle Trails (DNR License)
- ORV License & Trail Permit
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- 🏠 Cabin
- ▲ Berms
- G Gate
- ▲ Campground
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

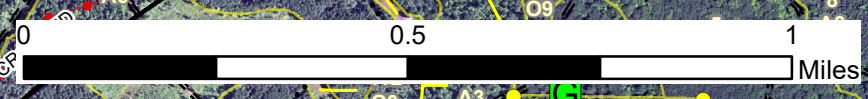
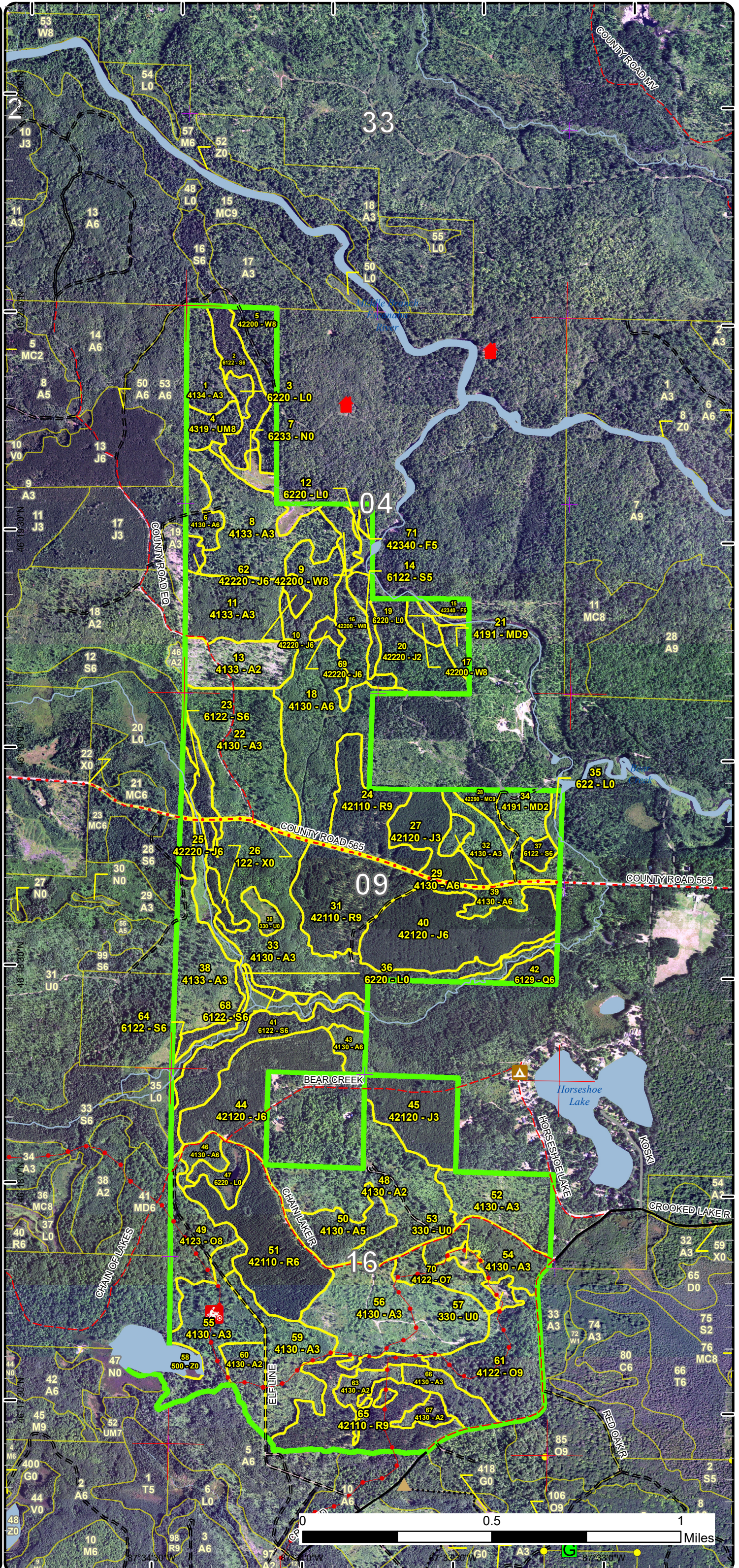


# Stand Boundary Map

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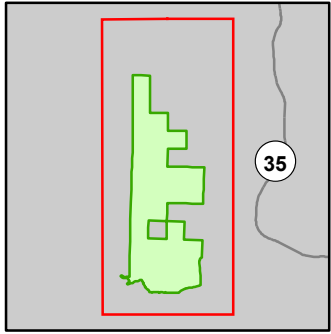


- Miris Corners
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- Survey Grade Corners
- Counties
- == DNR - Secondary Forest Road
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- 🟨 Stand Boundaries
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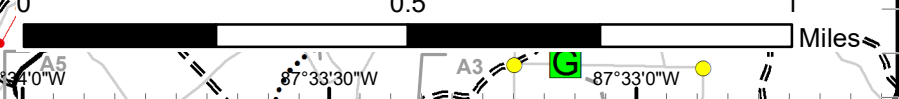
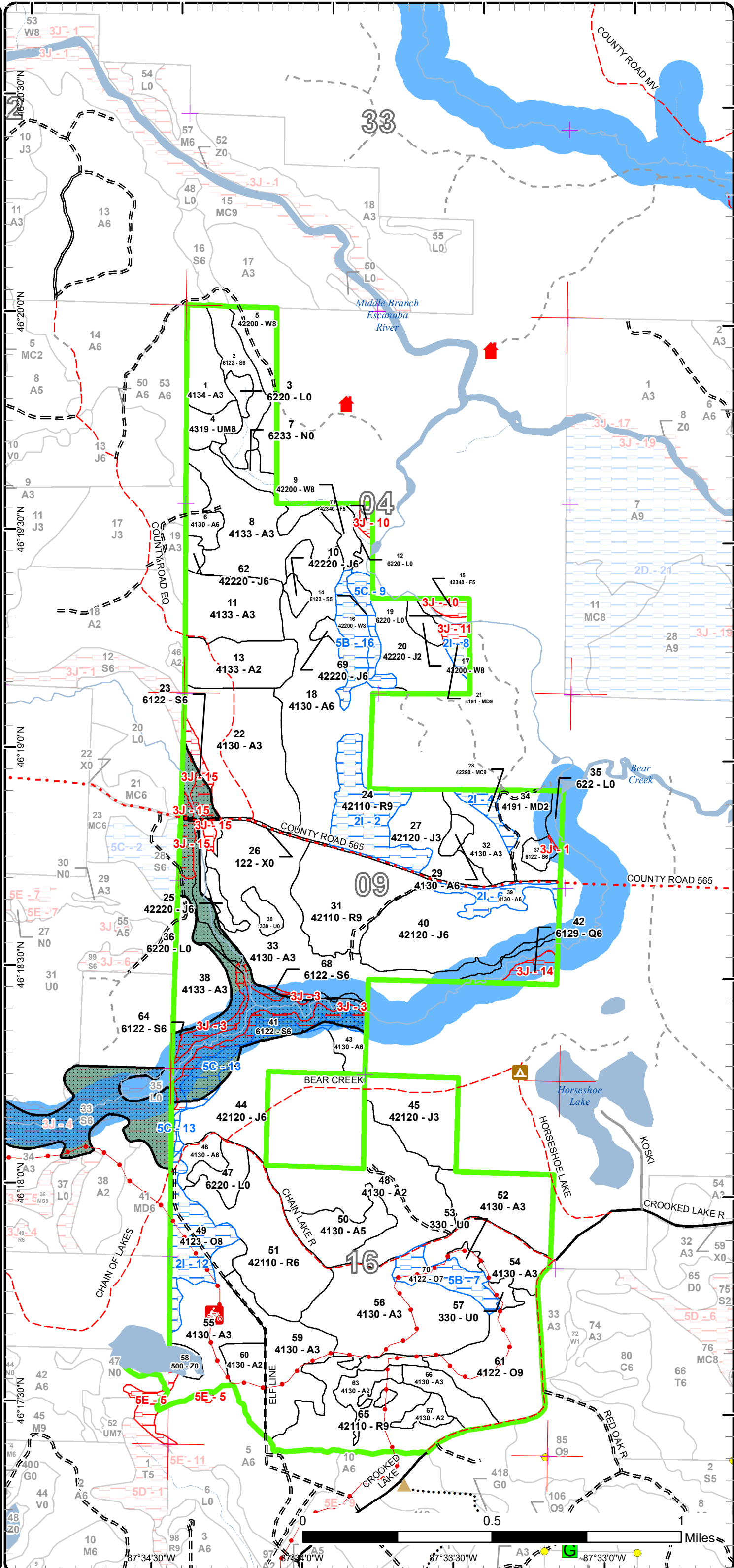


# Special Conservation Areas

Compartment: 33  
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- Lakes and Rivers
- 🏠 Cabin
- ▲ Berms
- G Gate
- ▲ Campground
- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Vernal Pool



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	119	257	87	150	36	4	0	0	0	0	0	0	0	0	0	0	0	653
Jack Pine	0	0	0	71	53	53	0	0	0	0	0	0	0	0	0	0	0	0	176
Low-Density Trees	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	6
Lowland Shrub	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	51	4	0	0	16	0	0	0	71
Marsh	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Mixed Upland Deciduous	0	0	15	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	20
Natural Mixed Pines	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5
Oak	0	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0	0	38	72
Red Pine	0	0	0	0	45	0	109	0	0	0	0	0	0	0	0	0	0	0	153
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	8
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
White Pine	0	0	0	0	0	0	0	0	0	17	0	24	0	0	0	0	0	0	41
<b>Total</b>	<b>75</b>	<b>119</b>	<b>272</b>	<b>158</b>	<b>248</b>	<b>89</b>	<b>113</b>	<b>5</b>	<b>5</b>	<b>22</b>	<b>91</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>38</b>	<b>1284</b>



## Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 33  
Total Compartment Acres: 1,287

Commercial Harvest - 198  
Harvests with Site Condition - 66  
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	30	0	0	0	0	0	0	0	0	30
Lowland Spruce/Fir	4	0	0	0	0	0	0	0	0	4
Mixed Upland Deciduous	3	0	0	0	0	0	0	0	0	3
Natural Mixed Pines	5	0	0	0	0	0	0	0	0	5
Oak	0	38	0	0	22	0	0	0	0	60
Red Pine	0	0	0	0	0	154	0	0	0	154
Upland Mixed Forest	0	0	0	8	0	0	0	0	0	8
<b>Total</b>	<b>42</b>	<b>38</b>	<b>0</b>	<b>8</b>	<b>22</b>	<b>154</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>264</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	264	0	0	0	0	0	0	0	0	264
Next Step	0	0	0	0	0	0	221	0	0	221
<b>Total</b>	<b>264</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>221</b>	<b>0</b>	<b>0</b>	<b>485</b>



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

**Proposed Treatments:**

<b>4</b>	<b>32033004-Cut</b>	8.3	4319 - Mixed Upland Forest	Sawtimber Medium	109	111- 140	Harvest	Seed Tree	4319 - Mixed Upland Forest	Two-Aged	No
<u>Prescription</u> Mark stand down to approximately 10-20 BA. Favor leaving large healthy white and red pine. Leave all oak and cedar.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> White pine, red pine, birch, oak.											
<u>Regen:</u>											
<u>Other</u> No retention due to small size.											
<u>Comment:</u>											
<u>Site Condition</u>											
<u>Proposed Start Date:</u> 10/1 /2025											
<b>21</b>	<b>32033021-Cut</b>	2.6	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	60	141- 170	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<u>Prescription</u> Clearcut stand using two-inch specifications. Leave all white pine and cedar. Retention is trout stream buffer which includes large bigtooth aspen and large fork crowned trees.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Aspen, Maple, pine and cedar											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Site Condition</u> Survey Needed											
<u>Proposed Start Date:</u> 10/1 /2024											
<b>24</b>	<b>32033024-Cut</b>	27.7	42110 - Planted Red Pine	Sawtimber Well	59	171- 200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> Thin stand down to 100- 120 BA. Leave all white pine and oak if found within the stand.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Red pine											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Site Condition</u> Survey Needed											
<u>Proposed Start Date:</u> 10/1 /2024											
<b>28</b>	<b>32033028-Cut</b>	5.4	42290 - Natural Mixed Pine	Sawtimber Well	71	111- 140	Harvest	Clearcut	429 - Mixed Upland Conifers	Even-Aged	No
<u>Prescription</u> Clearcut using 2-inch specifications. Leave all cedar, oak, red pine. Green tree a few healthy white pine. No other retention needed due to small size.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> jack pine, red pine, red maple, aspen.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Site Condition</u> Survey Needed											
<u>Proposed Start Date:</u> 10/1 /2024											



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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>29 32033029-Cut</b>	3.6	4130 - Aspen	Poletimber Well	50	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest stand using 2 inch specifications. Leave all oak, red pine, white pine and cedar if present. No retention needed due to small size.</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</u> Aspen and pine.</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> 10/1 /2024</p>										
<b>31 32033031-Cut</b>	39.5	42110 - Planted Red Pine	Sawtimber Well	59	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin stand down to 100- 120 BA. Leave all white pine and oak within the stand if present.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red Pine</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> 10/1 /2024</p>										
<b>37 32033037-Cut</b>	3.6	6122 - Black Spruce	Poletimber Well	106	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Harvest using 2 inch spec. Leave all cedar, oak and white pine. Retention requirements are met within stream buffer.</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</u> Black Spruce and Tamarack.</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> 10/1 /2024</p>										
<b>39 32033039-Cut</b>	8.7	4130 - Aspen	Poletimber Well	49	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest stand using 2 inch specifications. Leave all red and white pine, oak and cedar. While establishing cutting boundary, leave a few large forked top aspen trees for wildlife.</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</u> Aspen, pine, spruce.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

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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
49	32033049-Cut	21.6	4123 - Red Oak	Sawtimber Medium	93	51-80	Harvest	Shelterwood	4123 - Red Oak	Two-Aged	No
<p><u>Prescription</u> Thin stand down to 30-40 BA. Favor leaving larger oak trees for acorn production. Favor leaving red and white pine for biodiversity.</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</u> Red oak</p> <p><u>Regen:</u></p> <p><u>Other</u> Protect trail that runs through stand with specs.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
50	32033050-Cut	18.0	4130 - Aspen	Poletimber Medium	47	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut stand using 2 inch spec. Leave all oak, white pine, and cherry. Retention should include large forked crown aspen.</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</u> Aspen, pine, oak.</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> 10/1 /2024</p>											
51	32033051-Cut	44.5	42110 - Planted Red Pine	Poletimber Well	34	201+	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Mark every third row in stand or 1/3 of trees if rows are hard to follow. Harvest all jack pine, red maple and aspen if present.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red pine</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> 10/1 /2024</p>											
61	32033061-Cut	37.9	4122 - Oak, Pine	Sawtimber Well	93	81-110	Harvest	Single Tree Selection	4123 - Red Oak	Uneven- Aged	No
<p><u>Prescription</u> Thin stand down to 60-80 BA. Harvest all merchantable aspen, maple, fir, and spruce. Favor leaving large diameter oak while marking for acorn production. While marking focus on creating 50 foot plus canopy gaps.</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</u> Red oak</p> <p><u>Regen:</u></p> <p><u>Other</u> Protect trail within stand through the usage of trail specifications.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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
65 32033065-Cut	42.2	42110 - Planted Red Pine	Sawtimber Well	59	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin stand down to 100-120 basal area. Leave underrepresented species in stand such as oak and white pine.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Protect trail that runs within the stand treatment.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

Total Treatment Acreage Proposed: 263.6

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
George Wilson : Examiner

Compartment: 33  
Year of Entry: 2025

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		2I	5B	5C	3J	5E
652	641	9	2	Aspen	9				2
177	177	0	0	Jack Pine				0	
10	10	0	0	Low-Density Trees					
5	0	0	5	Lowland Conifers				5	
50	50	0	0	Lowland Shrub					
71	20	21	30	Lowland Spruce/Fir			21	30	
8	8	0	0	Marsh					
20	15	3	2	Mixed Upland Deciduous	3			2	
5	0	5	0	Natural Mixed Pines	5				
72	38	34	0	Oak	22	12			
154	126	28	0	Red Pine	28				
8	8	0	0	Upland Mixed Forest					
5	0	0	5	Upland Spruce/Fir				5	
4	4	0	0	Urban					
4	4	0	0	Water					
41	27	14	0	White Pine		14			
1,287	1,128	113	45	Total Forested Acres	66	27	21	43	2
	88%	9%	4%	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	3J: Water quality / BMPs (stream, river, or lake)	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 100' trout stream buffer.							
2	Available	2I: Survey needed	28	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 2022: Survey needed							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Compartment: 33

George Wilson : Examiner

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3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	18	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 150-foot Trout stream buffer on south part of river.							
4	Available	2I: Survey needed	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	Unavailable	5E: Long-Term Retention	8	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long term retention for stand 64 and lowland buffer.							
6	Available	2I: Survey needed	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	Available	2I: Survey needed	3	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 2022: Survey needed and permission to access from private road would be beneficial.							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Unable to access without destroying saplings from adjacent stands. Treat when adjacent stand is being treated.							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Compartment: 33

George Wilson : Examiner

Year of Entry: 2025

10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> 2023: Stands are within trout stream buffer.</p>							
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> 2022: 300 ft trout stream buffer.</p>							
12	Available	2I: Survey needed	22	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b></p>							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> Harvest when cutting adjacent stand.</p>							
14	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> 300' trout stream buffer.</p>							
15	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> 300' trout stream buffer.</p>							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Compartment: 33

George Wilson : Examiner

Year of Entry: 2025

16	Available	5B: Maintain for regeneration purposes	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Alot of regeneration that needs to be protected.							

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 Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	4134 - Aspen, Spruce/Fir	Sapling Well	15.5	24	Immature	N/A	2022: Aspen and maple regenerating. White pine scattered overstory.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	42	Sapling	2	24	Black Spruce	Low	5 - 10 feet	Sapling
Balsam Fir	10	Sapling	2		White Pine	Low	5 - 10 feet	Sapling
Jack Pine	10	Sapling	3		Red Maple	Medium	< 5 feet	Sapling
Red Oak	2	Sapling	2					
White Pine	10	XLog	18					
Red Maple	16	Sapling/Pole	3					
White Spruce	10	Sapling	2					

2	6122 - Black Spruce	Poletimber Well	16.3	130	141-170	N/A	2022: Black spruce stand dbh is 6-8 inches on average. Strip of black spruce with tamarack along small drain. Degrades to an L type.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	90	Pole	7	130	Black Spruce	Medium	Variable	Sapling
Jack Pine	2	Log	12		Tag Alder	Medium	< 5 feet	Tall Shrub
White Pine	2	Log	12					
Paper Birch	1	Pole	8					
Tamarack	5	Pole/Log	8					

3	6220 - Alder/willow	Nonstocked	3.2			No	
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4	4319 - Mixed Upland Forest	Sawtimber Medium	8.3	109	111-140	N/A	Large white pine over red maple and various hardwoods.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	49	XLog/Log	19	109	White Pine	Low	< 5 feet	Sapling
Paper Birch	10	Pole/Log	9		Paper Birch	Low	>20 feet	Pole
Quaking Aspen	11	Log	10		Black Spruce	Low	10 - 20 feet	Sapling
Red Maple	27	Log	10		Red Maple	Medium	>20 feet	Pole
Red Pine	2	XLog	18		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Red Oak	1	Log	10					

5	42200 - Natural White Pine	Sawtimber Medium	17.1	81	51-80	N/A	W8 and occasional RP sawtimber over fully stocked mixed conifer regen, aspen saps and red maple saps.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	2	Sapling/Pole	3		Quaking Aspen	Low	10 - 20 feet	Sapling
Red Oak	1	Pole	8		Red Pine	Low	5 - 10 feet	Sapling
Paper Birch	2	Sapling/Pole	2		Red Maple	Low	5 - 10 feet	Sapling
White Pine	82	XLog	18	81	White Pine	High	5 - 10 feet	Sapling
Red Maple	3	Sapling/Pole	4		Black Spruce	Medium	5 - 10 feet	Sapling
Red Pine	10	Log	12		Jack Pine	Medium	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
6	4130 - Aspen	Poletimber Well	8.9	45	141-170	N/A	4-6" 4-5 stick aspen just transitioning into a pole/log stand. With a few jack pine, white pine, and white birch.																																																							
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7	6233 - Wet Meadow	Nonstocked	8.1			No																																																								
8	4133 - Aspen, Mixed Pine	Sapling Well	41.9	13	Immature	N/A	Cut by LaFleur in 2009 under contract # 18-05-01. Aspen 1/2" diameter,																																																							
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10	42220 - Natural Jack Pine	Poletimber Well	3.0	35	81-110	N/A	2022: 20-40' tall, jack pine mixed with white pine. 7 inch average dbh. Pine islands																																																							
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13	4133 - Aspen, Mixed Pine	Sapling Medium	23.0	8	Immature	N/A	2022: Good aspen regenerating 10-15 feet tall. Occasional large red oak.																																															
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15	42340 - Upland Spruce/Fir	Poletimber Medium	2.9	89	Unspecified	N/A	Small stands of mixed black spruce, fir, white pine, red maple																																															
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16	42200 - Natural White Pine	Sawtimber Medium	14.2	109	81-110	N/A	2022: White pine stand with red maple and white pine in understory. Beautiful white pine with many legacy sized trees. Occasional large red pine. SE corner has dense almost impenetrable W3 10-20' tall. Northern part has a higher ba, less pine regen and heavier to red maple stump sprouting.																																															
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18	4130 - Aspen	Poletimber Well	69.7	35	81-110	N/A	2022: Good Aspen regeneration with slight mix of other species.																																															
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20	42220 - Natural Jack Pine	Sapling Medium	23.2	23	Unspecified	N/A	2022: Mix of pines, maple, fir, and spruce. Very diverse stand with many saplings of said species. Cut under contract # 07-95-01, retaining W7 overstory. A mix of everything but primarily jack pine.																																																																								
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21	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	4.9	60	141-170	N/A	2022: High ridge above the river with a mixture of big tooth aspen, red maple, white birch, jack and red pine.																																																																								
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24	42110 - Planted Red Pine	Sawtimber Well	27.7	59	171-200	N/A	2022: 12 inch average dbh red pine stand. Almost pure 4-5 stick red pine, last thinned in 2008 under contract #019-05-01. Prior to that, aspen was removed in 1978, mature jp in 1981.																																																																								
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25	42220 - Natural Jack Pine	Poletimber Well	4.8	36	111-140	N/A	2022: Pocket of dense jackpine 30'-40' tall. Would be better to manage this stand later for more growth.																																														
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26	122 - Road/Parking Lot	Nonstocked	4.3		Unspecified	No																																															
27	42120 - Planted Jack Pine	Sapling Well	19.9	24	Immature	N/A	2022: Jack pine plantation, 2-4 dbh.2-4", 20- 30 feet tall.																																														
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28	42290 - Natural Mixed Pine	Sawtimber Well	5.4	71	111-140	N/A	2022: Stand is losing jack pine due to old age. Mix of various pine species and aspen.																																														
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29	4130 - Aspen	Poletimber Well	3.6	50	81-110	N/A	2022: Aspen stand of poor quality with some maple and jack pine mixed.Nice small stand of aspen with a few jack pine. 2-3 stick 70 ba																																														
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30	330 - Low-Density Trees	Nonstocked	4.3		Immature	No	2022: Field with low density conifers. Mix of jackpine, red pine, spruce, and white pine. Sweet ferns and blueberries on ground.																																														
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32	4130 - Aspen	Sapling Well	12.5	9	Immature	N/A	Regenerating aspen, 20-30 feet tall. 2-3 inches dbh																																																							
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33	4130 - Aspen	Sapling Well	68.2	36		N/A	Aspen stand with traces of jack pine, birch, and spruce.																																																							
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34	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	14.8	14	Immature	N/A	2022: Stand is regenerating nicely. Cut by LaFluer in 2008. Stand is a mix of red maple, aspen, white birch, white pine, black spruce, and balsam fir.																																																							
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35	622 - Lowland Shrub	Nonstocked	3.1			No																																																								
36	6220 - Alder/willow	Nonstocked	29.3		Unspecified	No	2022: Bear Creek																																																							
37	6122 - Black Spruce	Poletimber Well	3.8	106	81-110	N/A	Small pocket of 4 stick black spruce and tamarack.																																																							
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38	4133 - Aspen, Mixed Pine	Sapling Well	30.6	13	Unspecified	N/A	2023: Aspen with pine residual.																																																							
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39	4130 - Aspen	Poletimber Well	8.7	49	81-110	N/A	2022: Stand is a mix of aspen, birch and maple. Stand varies from larger aspen to smaller aspen mix. Stand has just transitioned to a pole stand. Contains a small knob of larger big-tooth aspen.																																																
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40	42120 - Planted Jack Pine	Poletimber Well	52.7	49	81-110	N/A	90 ba jp poles.																																																
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41	6122 - Black Spruce	Poletimber Well	24.9	90	141-170	N/A	Riparian zone and wildlife travel corridor. Black spruce stand along Bryan Creek.																																																
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42	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	5.5	90	Unspecified	N/A	Riparian buffer along Bryan Creek. An extension of stand 53.																																																
43	4130 - Aspen	Poletimber Well	5.7	38	111-140	N/A	2022: Very nice quality aspen stand. Diameter averages 6-8 inches with a few being 10in. Comments per OIPC 2003. Cut prmt. #8-85-1, A3 is now 1-3" dbh, 20-30 ft tall																																																
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44	42120 - Planted Jack Pine	Poletimber Well	39.7	35	201+	N/A	2022: Jack pine that is about 25-30 feet tall and 4-6 inches in diameter. 2 stick jack pine. Cut in 1985 sale # 008-85-1, Planted in 1987, 4-6" JP saplings and poles with clones of aspen in the skips.																																																
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45	42120 - Planted Jack Pine	Sapling Well	28.2	26	201+	N/A	2022: 3-5 inch jack pine plantation with some very large red pine and white pine mixed in. There is a fair amount of storm damage in the southern part of this stand. JP planted in 1996																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
46	4130 - Aspen	Poletimber Well	5.9	37	141-170	N/A	2022: 6-8 inch aspen stand about 30-35 feet tall.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Balsam Fir		2	Sapling/Pole	4		Quaking Aspen	
Quaking Aspen		98	Pole	7	37	White Pine	
						Jack Pine	
						<b>Density</b>	
						<b>Avg. Height</b>	
						<b>Size</b>	
47	6220 - Alder/willow	Nonstocked	8.6		Immature	No	2022: Spruce and tamarack bog that has willow. Very wet and standing water.
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Tamarack		High	Variable	Sapling			
White Pine		Low	>20 feet	Pole			
Black Spruce		High	Variable	Sapling			
48	4130 - Aspen	Sapling Medium	56.2	14	51-80	N/A	2022: Regenerating aspen stand about 15-20 feet tall. Large oaks were left as retention. There is also some larger aspen that appeared to not be cut when last logging occurred. Cut by LaFleur under contract # 020-05-01. About 10 ba sawtimber red oak residual.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		2	Pole	8		Red Pine	
Paper Birch		1	Log	12		White Pine	
Black Cherry		1	Pole/Sapling	5			
Quaking Aspen		81	Sapling	1	14		
White Pine		5	Log	15			
Red Oak		10	Log	13			
49	4123 - Red Oak	Sawtimber Medium	21.6	93	51-80	N/A	Red oak treated under stand # 21-05-01. Little red oak regen, some white pine and aspen, and fairly good red maple regen from stump sprouting.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Oak		90	Log	12	93	Red Maple	
Paper Birch		2	Pole	9		White Pine	
Red Pine		6	Log/Pole	11		Quaking Aspen	
White Pine		2	Pole	8		Hazelnut (Beaked)	
						<b>Density</b>	
						<b>Avg. Height</b>	
						<b>Size</b>	
50	4130 - Aspen	Poletimber Medium	18.0	47	81-110	N/A	2022: Lower quality aspen stand with traces of jack pine and white pine. Fair quality mixed big tooth/quaking aspen stand with a trace of white pine and jack pine. 40-50 ba of 3-4 stick aspen.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Paper Birch		1	Sapling/Pole	4		Red Maple	
Quaking Aspen		49	Pole	8	47	White Pine	
Red Maple		3	Pole	6		Black Cherry	
White Spruce		1	Sapling	2		Hazelnut (Beaked)	
Balsam Fir		2	Sapling	3			
Black Cherry		1	Sapling	4			
White Pine		1	Log	14			
Jack Pine		2	Log/Pole	10			
Bigtooth Aspen		40	Pole	8	47		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
51	42110 - Planted Red Pine	Poletimber Well	44.5	34	201+	N/A	2022: 3-4 stick red pine plantation. Basal area is very high. Average dbh is 6-8 inches.																																										
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52	4130 - Aspen	Sapling Well	27.5	9	Immature	N/A	2022: Regenerating aspen about 10-15 feet tall. spruce and white pine mixed in. Aspen, jack pine, red maple stand prepped and under contract to Minerick # 32-020-11-01. Harvested summer, 2014.																																										
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57	330 - Low-Density Trees	Nonstocked	2.8		Immature	No	2022: Low stocked stand with a mix of white pine, cherry, jack pine, and red pine.																																										
58	500 - Water	Nonstocked	4.2			No																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
59	4130 - Aspen	Sapling Well	29.0	14	Immature	N/A	2022: Regenerating aspen with pine scattered. Cut by LaFleur in 2008 under contract #21-05-01. Young aspen with scattered red oak and white pine.																																					
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60	4130 - Aspen	Sapling Medium	11.8	26	51-80	N/A	2022: Aspen poles stand with a mix of white pine, oak, and cherry. 20-30' aspen and red maple with red oak and white pine. Cut in 1996 under contract #11-95-01.																																					
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61	4122 - Oak, Pine	Sawtimber Well	37.9	93	81-110	N/A	2022: Red oak stand with mixed pine and smaller diameter aspen and red maple. Red oak seedlings and saplings in the mix.  Good quality red oak with white pine sawtimber. Fairly decent oak seedlings mixed with the red maple and white pine understory. Numerous wp seedlings less than 3' tall. Treated under contract #10-95-01.																																					
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63	4130 - Aspen	Sapling Medium	7.2	16	Immature	N/A	2022- Aspen stand with varied stocking. Appears to be an old grassy opening converting.																																					
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<b>65</b>	42110 - Planted Red Pine	Sawtimber Well	42.2	59	171-200	N/A	2022: Red pine plantation that averages 180 BA. Cut prmt. # 22-05-01, in 2009 by LaFleur. Stand is now R9R6, it was planted in 1963, released from aspen in 1973/1979. Pine responded well to that, there has been some frost damage. Contains numerous sink holes/frost pockets of small aspen and red maple saplings.																																						
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<b>66</b>	4130 - Aspen	Sapling Well	11.1	24	Immature	N/A	2022: Well stocked mixed aspen stand. Cut prmt. #8-85-1, A3 2-4" 30-40' tall.																																						
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<b>70</b>	4122 - Oak, Pine	Sawtimber Poor	12.4	93	51-80	N/A	2022: Red oak stand with mixed pine and smaller diameter aspen and red maple. Red oak seedlings and saplings in the mix.  Good quality red oak with white pine sawtimber. Fairly decent oak seedlings mixed with the red maple and white pine understory. Numerous wp seedlings less than 3' tall. Treated under contract #10-95-01.																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
71	42340 - Upland Spruce/Fir	Poletimber Medium	1.8	89	Unspecified	N/A	Small stands of mixed black spruce, fir, white pine, red maple

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
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