



# Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 33085

Entry Year 2027

Acreage: 2,695

County: Delta

Management Area: Menominee-Marquette

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**Stand Examiner:** George Wilson

**Legal Description:**

T41N, R24W Sections 3, 4, 9, 10, & 16

**Identified Planning Goals:**

This compartment has 178 acres of clearcuts that are dominated by aspen, and 12 acres of hardwood thinnings. This compartment previously had a large sale named Twenty One Winch.

**Soil and topography:**

Major soil series found in this compartment include: Lupton, Cathro, Tawas, Emmet, Longrie, Onaway, Summerville, Tacoosh and Angelica.

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

Private to the south, corporate lands to the east, State to the north and west.

**Unique Natural Features:**

N/A

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

N/A

**Special Management Designations or Considerations:**

The Hunters Brook habitat riparian corridor special Conservation Area in the northeast portion of the compartment.

**Watershed and Fisheries Considerations:**

The northern region of this compartment contains Hunters Brook. Hunters Brook is a designated Type 1 trout stream less than 50 feet wide and has a predicted mean July water temperature of 68.2 °F (cold stream). A 300' buffer is recommended for Hunters Brook in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100 feet, plus 5 feet per 1% increase in slope, riparian management zone is recommended to protect riparian areas in accordance with Best Management Practices.

**Wildlife Habitat Considerations:**

This compartment is divided into two distinct blocks. The northern half is predominantly cedar swamp with scattered, aspen-dominated uplands. A large portion of these lowland cedar types are currently factor limited as winter cover for white-tailed deer. The southern half of the compartment contains a mix of aspen types, treed bogs, and lowland cover types. There are openings within this compartment that are managed for wildlife. The majority of treatments planned in this compartment for this year of entry include clearcuts in aspen and mixed aspen stands. Retention of trees important to wildlife is a goal in mixed aspen stands. Creating open canopied habitat will benefit featured species such as the White-tailed Deer, Wild Turkey, Black Bear, American Woodcock, and Golden-winged Warbler.

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

No known potential exists for commercial oil & gas production in this part of the state. The closest active sand & gravel operation is roughly two miles northwest. Glacial sediments are relatively thin in this area, and bedrock limestone is within 30 feet of the surface across the compartment. The Ordovician limestones are commonly quarried elsewhere in region where they crop out at the surface. The compartment consists predominantly of low wetlands, which would inhibit surface mining. Some remote geophysical surveys have been conducted covering this area, and there has been past test drilling for iron ore targeting magnetic anomalies, the nearest such activity being more than three miles southwest. There is a magnetic anomaly (though, less well defined) crossing Sec 16 within the compartment, and there may be potential for rock bearing iron or other metallic and critical minerals beneath the compartment, but they would occur at significant depth and may not have significant economic value. Additional research/exploration is needed. There is no current leasing activity involving State-owned mineral rights in the area.

**Vehicle Access:**

Most of this area is open to foot access with vehicle access being limited.

**Survey Needs:**

Private line boundaries will be required to establish the timber sale boundaries. Survey corner establishment may be required for these boundary lines.

**Recreational Facilities and Opportunities:**

Hunting, trapping and fishing. No designated recreational facilities within this compartment.

**Fire Protection:**

Vehicle access may be difficult to some portions of this compartment. There are water resources available and no significant threats for fire protection.

**Additional Compartment Information:**

Ø The following 5 reports from the Operations Inventory System (OIPC) are attached:

- Cover Type by Age Class
- Cover Type by Management Objective
- Compartment Volume Summary
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors

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

- Base feature information, stand numbers, cover types
- Proposed treatments
- Proposed road access system
- Suggested potential old growth

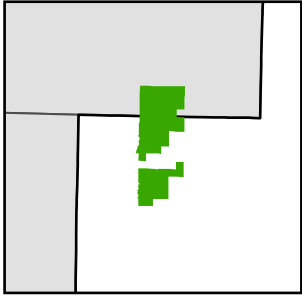
**The following reports from the Inventory are attached:**



























**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**

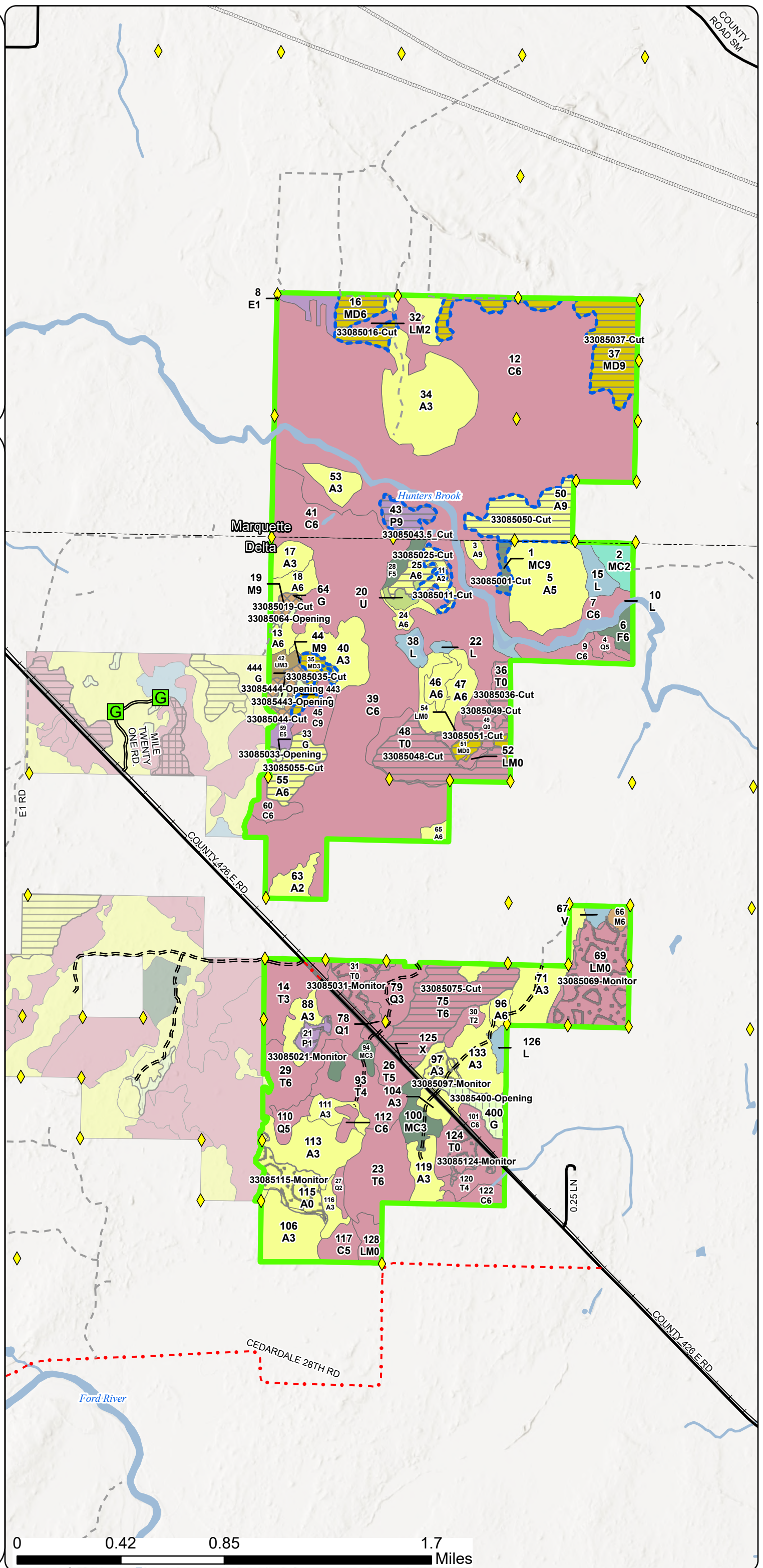
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

Compartment: 33085  
T41N R24W Sections 3, 4, 8-10 & 16  
County: Delta  
Unit: Escanaba  
Mgmt. Area: Menominee-Marquette  
YOE: 2027  
Acres: 2,694.68 GIS Calculated  
Examiner: George Wilson  
Date Exported: 12/12/2025  
Map Phase: Post Review



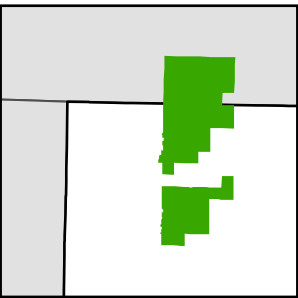
- |                                                                                   |                                 |
|-----------------------------------------------------------------------------------|---------------------------------|
|    | Survey Grade Corners            |
|    | Gate                            |
|   | Pipeline                        |
|  | Railroads                       |
|  | Compartment Boundary            |
|  | Treatments with Site Conditions |
|  | Clearcut                        |
|  | Selection                       |
|  | Openings Mgmt.                  |
|  | Monitoring - Regeneration       |
|  | Clearcut                        |
|  | Seed Tree                       |
|  | Openings Mgmt.                  |
|  | 411 - Northern Hardwood         |
|  | 413 - Aspen                     |
|  | 419 - Mixed Upland Deciduous    |
|  | 423 - Other Upland Conifers     |
|  | 429 - Mixed Upland Conifers     |
|  | 430 - Upland Mixed Forest       |
|  | 611 - Lowland Deciduous Forest  |
|  | 612 - Lowland Coniferous Forest |
|  | 613 - Lowland Mixed Forest      |
|  | 122 - Road/Parking Lot          |
|  | 310 - Herbaceous Openland       |
|  | 320 - Upland Shrub              |
|  | 622 - Lowland Shrub             |



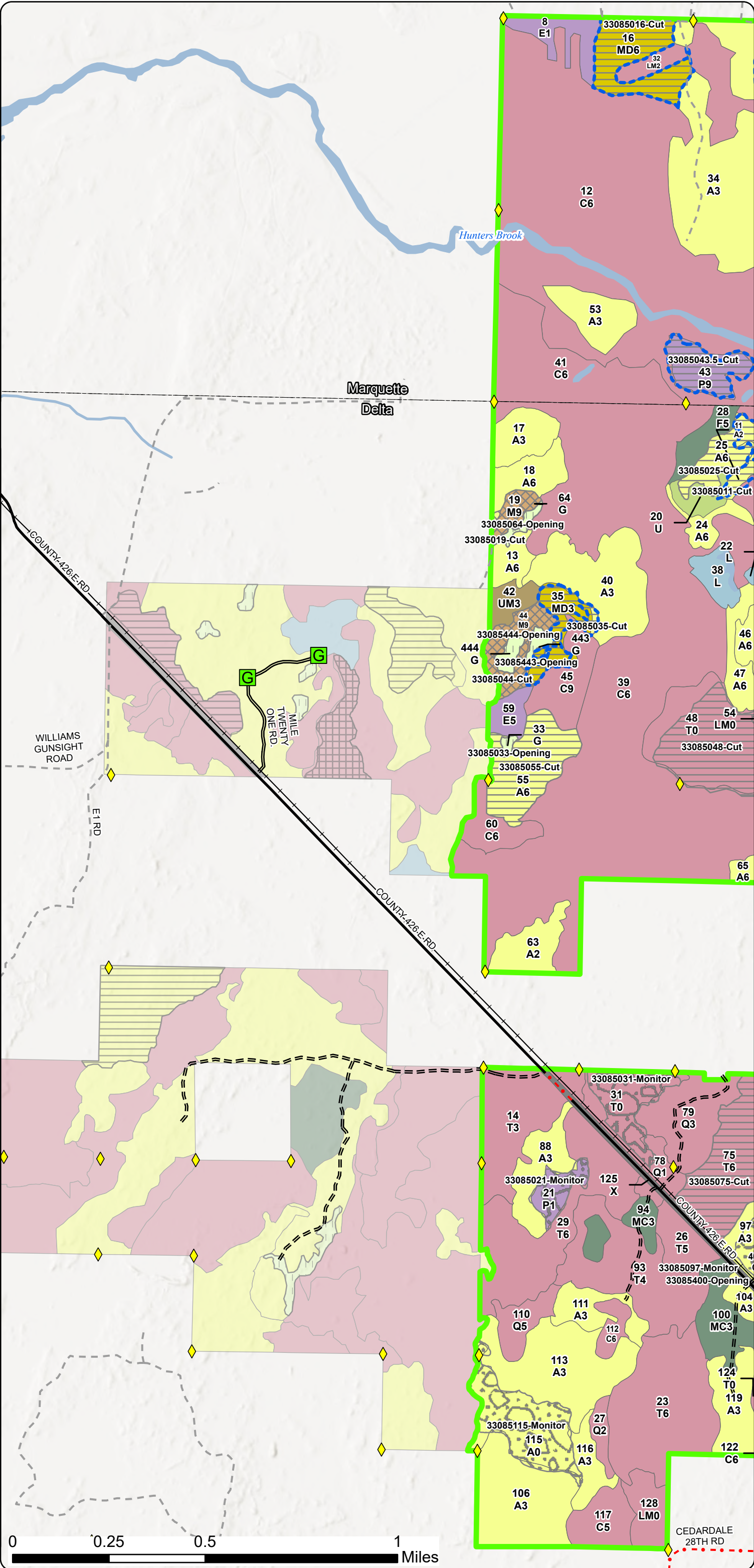


**Cover Type & Treatments Map**

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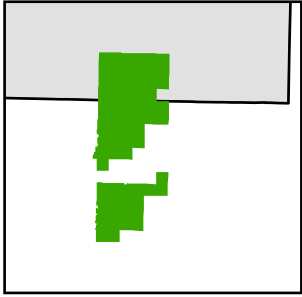





















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- Gate
- Railroads
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Selection
- Openings Mgmt.
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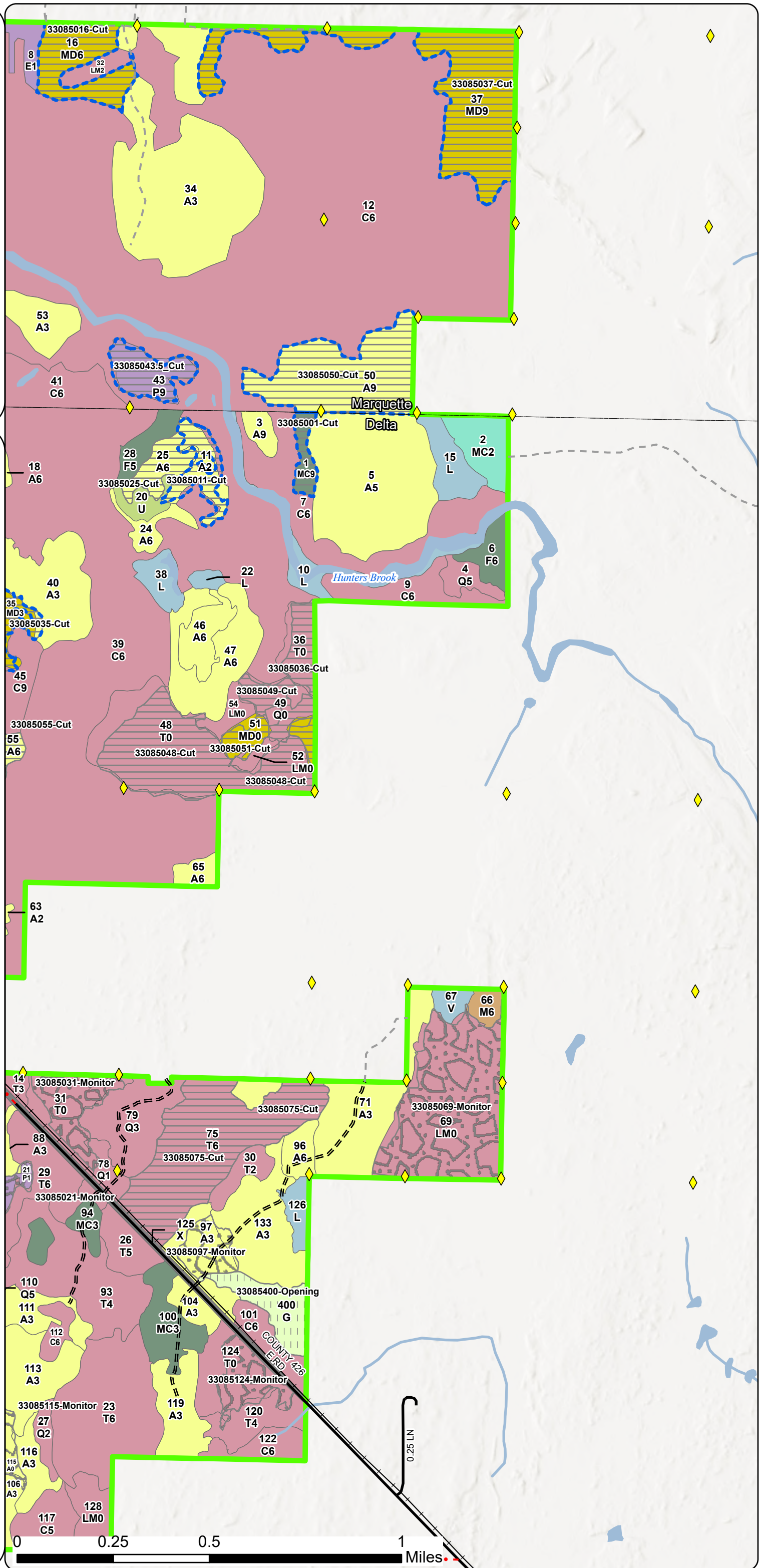




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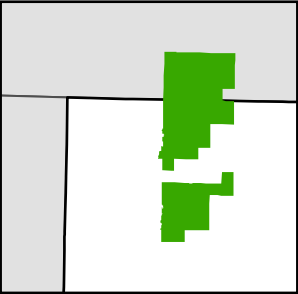
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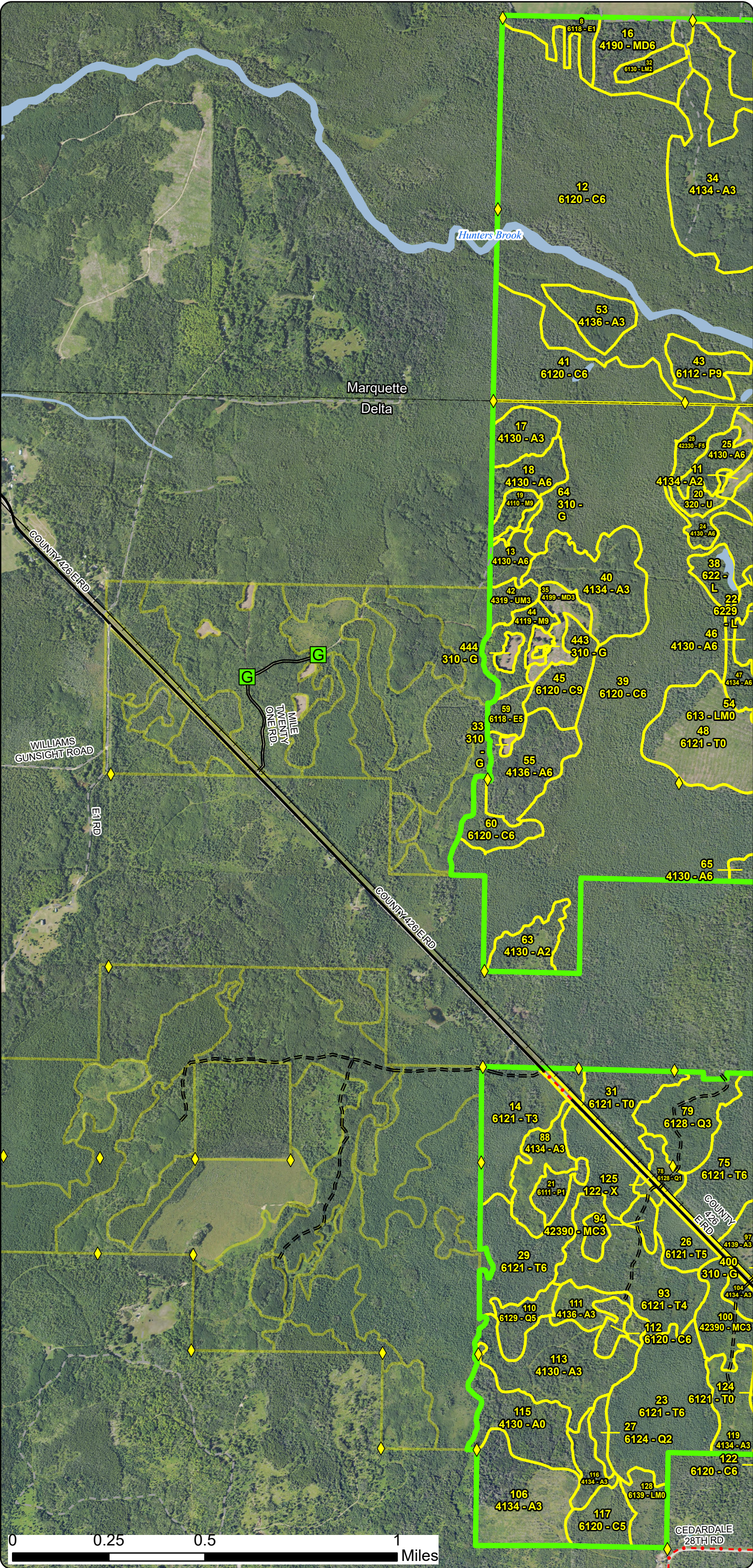


Stand Boundary  
Map

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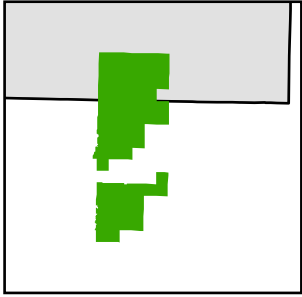






- Survey Grade Corners
- G Gate
- Railroads
- Compartment Boundary
- Stand Outline
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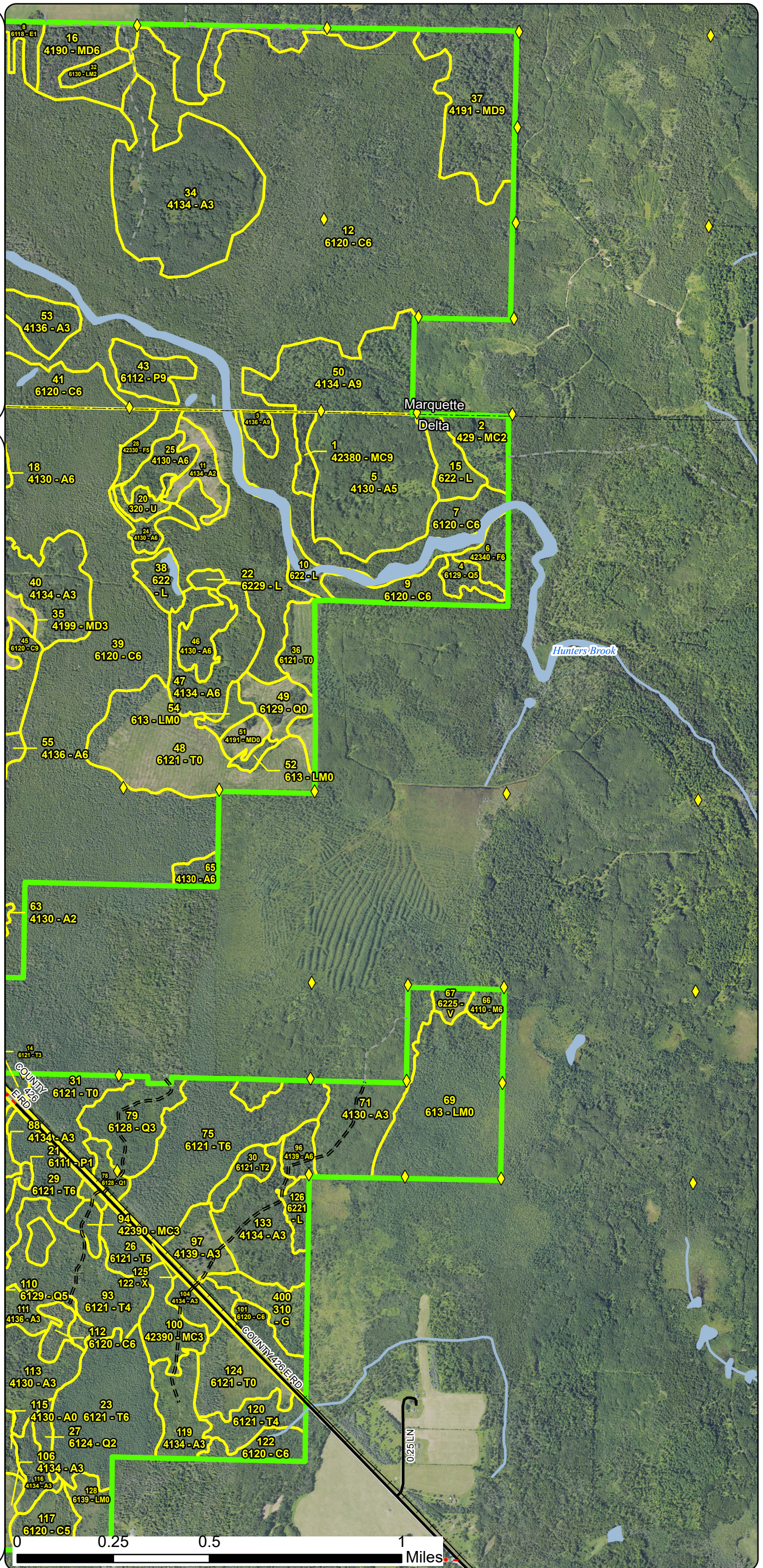




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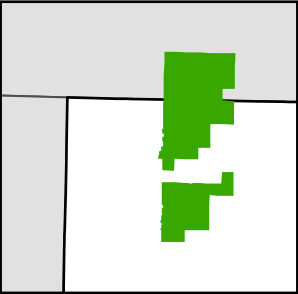
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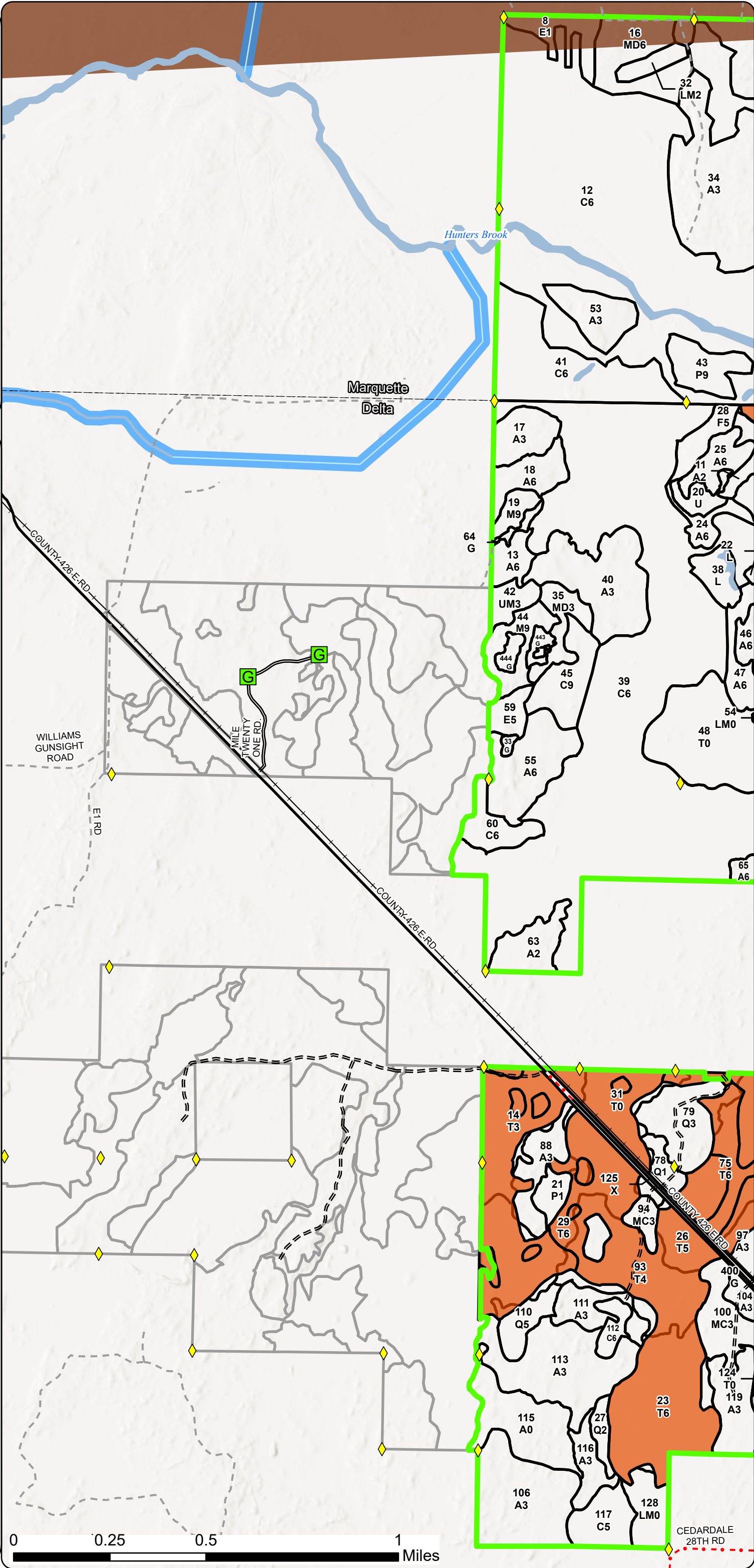


Special Conservation Areas  
& Site Conditions Map

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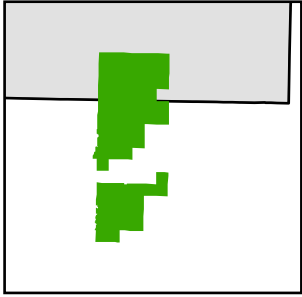











- Survey Grade Corners
- Gate
- Railroads
- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range
- Other Habitat Area

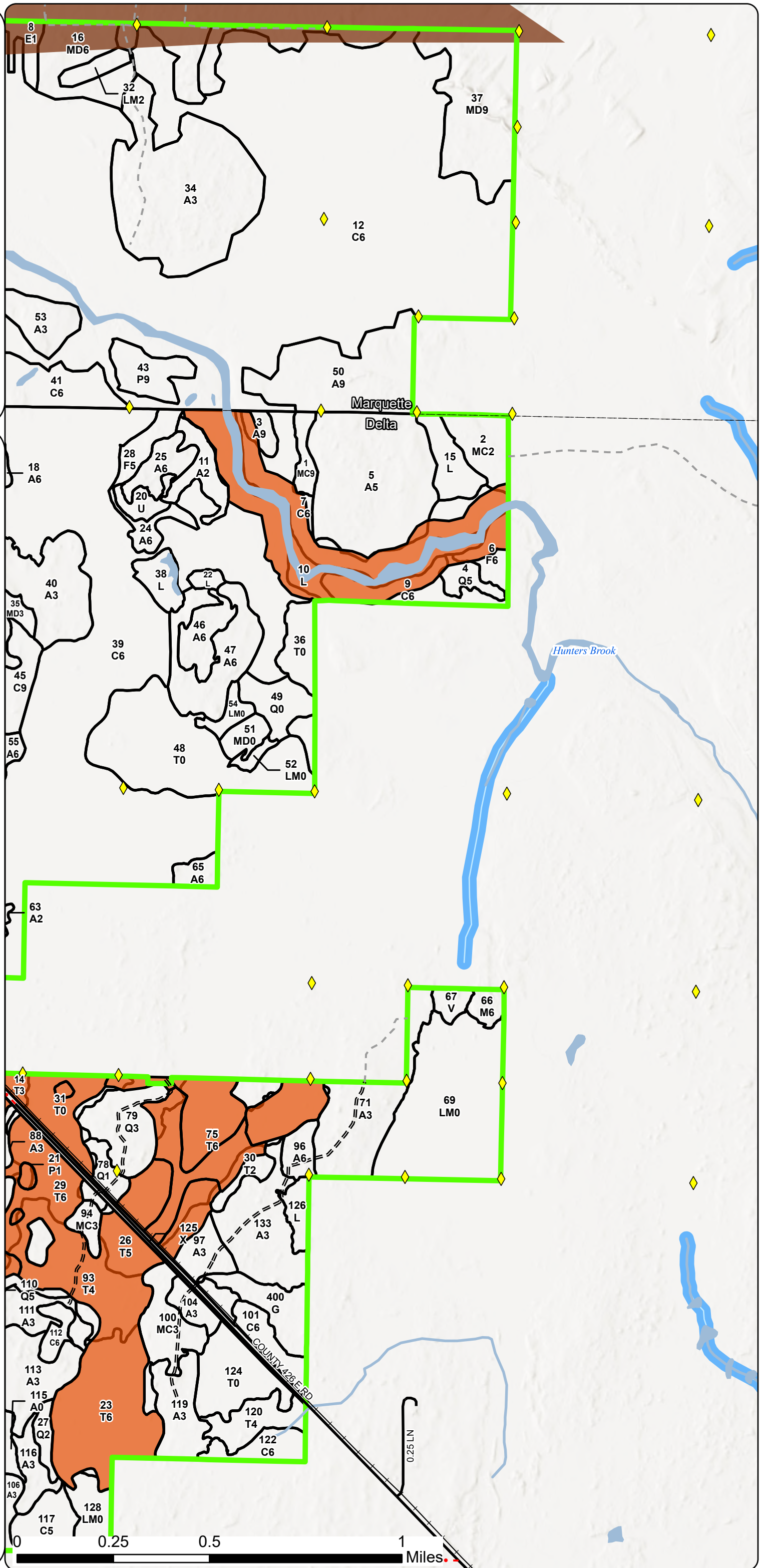




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Mgmt. Area: Menominee-Marquette  
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-  Survey Grade Corners
-  Railroads
-  Compartment Boundary
-  Stand Boundaries
-  SCA
-  Cold Water Streams
-  High Priority Trout Stream Buffer
-  Deer Winter Range
-  Other Habitat Area



# 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	27	63	105	55	225	145	5	0	5	0	47	0	0	0	0	0	0	0	677
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Cedar	0	0	0	0	0	0	0	0	0	14	0	69	457	586	0	0	0	0	1125
Herbaceous Openland	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Lowland Aspen/Balsam Poplar	0	7	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	21
Lowland Conifers	13	0	7	5	26	0	0	10	0	0	0	0	6	0	0	0	0	0	67
Lowland Deciduous	0	0	0	0	0	12	0	0	0	7	0	0	0	0	0	0	0	0	19
Lowland Mixed Forest	91	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	97
Lowland Shrub	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
Mixed Upland Deciduous	10	11	0	0	0	0	89	0	0	0	0	0	0	0	0	0	0	0	110
Northern Hardwood	0	0	0	0	0	0	0	0	0	12	5	0	0	0	0	0	0	5	22
Tamarack	117	0	0	0	0	7	0	189	66	14	0	0	0	0	0	0	0	0	393
Upland Conifers	0	0	0	0	41	0	0	0	0	0	0	0	0	6	0	0	0	0	47
Upland Mixed Forest	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	7
Upland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Upland Spruce/Fir	0	0	0	0	8	0	0	0	0	9	0	0	0	0	0	0	0	0	17
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
<b>Total</b>	<b>353</b>	<b>81</b>	<b>112</b>	<b>60</b>	<b>300</b>	<b>170</b>	<b>101</b>	<b>199</b>	<b>71</b>	<b>56</b>	<b>66</b>	<b>69</b>	<b>463</b>	<b>592</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>2696</b>





## Report 2 – Treatment Summary

Escanaba Mgt. Unit  
Year of Entry: 2027

Acres of Harvest

Compartment 85  
Total Compartment Acres: 2,695

Commercial Harvest - 234  
Harvests with Site Condition - 344  
Next Step Harvest - 11  
Habitat Cut - 88

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	96	0	0	0	0	0	0	0	0	96
Lowland Aspen/Balsam Poplar	14	0	0	0	0	0	0	0	0	14
Lowland Conifers	10	0	0	0	0	0	0	0	0	10
Mixed Upland Deciduous	109	0	0	0	0	0	0	0	0	109
Northern Hardwood	0	18	0	0	0	0	0	0	0	18
Tamarack	129	0	0	0	0	0	0	0	0	129
Upland Conifers	6	0	0	0	0	0	0	0	0	6
Total	363	18	0	0	0	0	0	0	0	380

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	380	0	0	0	0	146	0	0	0	550
Next Step	11	0	6	0	0	355	0	0	0	372
Total	391	0	6	0	0	501	0	0	0	922



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

<b>1</b>	<b>33085001-Cut</b>	6.0	42380 - Non Pine Upland Conifer, Mixed Deciduous	9	122	111- 140	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
<u>Prescription</u> Clearcut: Harvest all trees 3 inches and greater. Leave all cedar. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, maple, birch, cedar, fir <u>Regen:</u> <u>Other</u> If openings are used, they must be cleaned up, review with WLD. <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2027											
<b>16</b>	<b>33085016-Cut</b>	23.9	4190 - Mixed Upland Deciduous with Cedar	6	50	81-110	Harvest	Clearcut	4190 - Mixed Upland Deciduous with Cedar	Planting Record	No
<u>Prescription</u> Clearcut with retention: Cut all trees 3 inches and larger. Leave all cedar. Leave 3-10% of the stand for retention, especially in the areas <u>Specs:</u> higher to cedar. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Maple, Birch, Fir, Spruce. <u>Regen:</u> <u>Other</u> If openings are used for this treatment, make sure they are cleaned up. Review with WLD.No issues with stand regeneration are expected. <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											
<b>25</b>	<b>33085025-Cut</b>	9.7	4130 - Aspen	6	48	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	Yes
<u>Prescription</u> Clearcut: Harvest all trees using 2 inch specifications. Leave all cedar and yellow birch. Stand is on the edge of needing retention. Winter <u>Specs:</u> harvest only due to access road being very wet. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, maple, birch <u>Regen:</u> <u>Other</u> If openings are used, they must be cleaned up; Review with WLD.Stand is not expected to have an issue regenerating. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
33	33085033-Opening	1.0	310 - Herbaceous Openland	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw <u>Specs:</u> removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabap  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025											
37	33085037-Cut	65.3	4191 - Mixed Upland Deciduous with Conifer	9	55	111- 140	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
<u>Prescription</u> Clearcut with retention: Harvest all trees 3 inches and greater. Leave all cedar. Leave 3-10% of the stand for retention. <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>  <u>Acceptable</u> Aspen, pine, maple, birch, fir. <u>Regen:</u>  <u>Other</u> If openings are used, they must be cleaned up. Review with WLD. <u>Comment:</u>  <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											
44	33085044-Cut	11.9	4119 - Mixed Northern Hardwoods	9	88	81-110	Harvest	Selection	411 - Northern Hardwood	Current	Yes
<u>Prescription</u> Single Tree Selection: Harvest stand down to 60 BA, focus on removal of trees with poor health and quality. Harvest all merchantable fir, <u>Specs:</u> spruce, and ironwood.  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>  <u>Acceptable</u> Maple, birch, basswood. <u>Regen:</u>  <u>Other</u> If openings are used, they must be cleaned up. Review with WLD. If this treatment fails to regenerate look to possibly implement stand <u>Comment:</u> enclosures to prevent deer browse.  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
50	33085050-Cut	47.4	4134 - Aspen, Spruce/Fir	9	98	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut with Retention: Harvest all trees using 2 inch spec. Leave all cedar. <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>  <u>Acceptable</u> Aspen, maple, cedar, birch. <u>Regen:</u>  <u>Other</u> Any openings used must be cleaned up, review with WLD. Buffer Hunters Brook 300 feet in the aspen. <u>Comment:</u>  <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
55	33085055-Cut	26.7	4136 - Aspen, Mixed Conifer	6	49	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clear-cut with retention: Harvest stand using 2 inch specifications. Leave all Hemlock and cedar. Leave 3-10% of the stand as retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, birch, maple, cedar <u>Regen:</u> <u>Other</u> Any openings used must be cleaned up, review with WLD. Issues regenerating this stand is not expected. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
64	33085064- Opening	2.0	310 - Herbaceous Openland	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw <u>Specs:</u> removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabap <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025											
75	33085075-Cut	65.8	6121 - Tamarack	6	79	51-80	Harvest	Clearcut	6121 - Tamarack	Planting Record	Yes
<u>Prescription</u> Clear-cut with retention: Harvest all trees greater than 3 inches. Leave all cedar. Leave 3-10% of the stand for retention. Winter harvest or <u>Specs:</u> dry summer only. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Tamarack, black spruce <u>Regen:</u> <u>Other</u> Any openings used must be cleaned up, review with WLD. Issues with regeneration not expected, if issues arise look to frost seed stand <u>Comment:</u> or supplemental plant. <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
400	33085400- Opening	15.4	310 - Herbaceous Openland	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw <u>Specs:</u> removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabap <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025											



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>443 33085443-Opening</b>	2.6	310 - Herbaceous Openland	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Prescribed fire, farming (dozing, diskings, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw <u>Specs:</u> removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabap  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025										
<b>444 33085444-Opening</b>	2.9	310 - Herbaceous Openland	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Prescribed fire, farming (dozing, diskings, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw <u>Specs:</u> removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabap  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> <u>Regen:</u>  <u>Other</u> <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025										

**Approved Treatments:**

<b>11 33085011-Cut</b>	11.8	4134 - Aspen, Spruce/Fir	2	5	1-50	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
<u>Prescription</u> Cut all trees, leave retention areas in the heaviest cedar areas. <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>  <u>Acceptable</u> Spruce, Fir, Aspen, and Balm. <u>Regen:</u>  <u>Other</u> Potentially combine this stand with stand 53 of compartment 87 in Gwinn. The retention areas are approximate, decide at time of sale prep <u>Comment:</u> for exact locations and follow in-stand retention guide of 3-10%.  <u>Site Condition:</u> Deer Wintering Area <u>Proposed Start Date:</u> 10/01/2016										





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
19	33085019-Cut	5.7	4110 - Sugar Maple Association	9	90	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Selection harvest; Retain approximately 60-70 BA throughout the stand. Create gaps to release sugar maple regeneration already in the stand. Mark heavier along the opening along the southern edge. Winter cut this stand and no chipping. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Planting, Underplant <u>Treatments:</u> <u>Acceptable</u> Northern Hardwood species mix. <u>Regen:</u> <u>Other</u> This stand was cut under the Twenty One Mile sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016											
21	33085021-Monitor	7.8	6111 - Lowland Balsam Poplar	1	4	1-50	Monitoring	Monitoring - Regeneration	4319 - Mixed Upland Forest		No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Aspen, Spruce, and Fir. Acceptable regeneration of Tamarack and mixed lowland deciduous species. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2030											
31	33085031-Monitor	17.3	6121 - Tamarack	0	2	1-50	Monitoring	Monitoring - Regeneration	6121 - Tamarack		No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Tamarack is expected with an acceptable alternate regeneration of spruce. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2030											
35	33085035-Cut	11.2	4199 - Other Mixed Upland Deciduous	3	3	1-50	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut with retention; Cut all trees except leave retention in the areas of highest cedar volumes. This stand will be winter harvested to protect the openings. Cut the trees within the opening along with this stand and leave a 3 foot stump within the <u>Specs:</u> <u>Next Step</u> Harvest, Clearcut with Retention <u>Treatments:</u> <u>Acceptable</u> Aspen, balm, maple, spruce, and fir. <u>Regen:</u> <u>Other</u> The retention areas are approximate. Decide at time of sale prep the exact location of retention areas and follow the in-stand retention guides. <u>Comment:</u> <u>Site Condition:</u> Deer Wintering Area <u>Proposed Start Date:</u> 10/01/2016											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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36	33085036-Cut	9.4	6121 - Tamarack	0	3	1-50	Harvest	Clearcut	6121 - Tamarack	Planting Record	No
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Prescription Cut all trees except leave retention along the western boundary for a seed source.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Tamarack.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2016

43	33085043.5_C ut	13.8	6112 - Lowland Aspen	9	98	111- 140	Harvest	Clearcut	6117 - Lowland Deciduous, Mixed Coniferous	Planting Record	No
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Prescription Final Harvest leaving cedar and hemlock if present.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Access can be from the Escanaba Unit or crane mats over the creek in winter months. Old next step comments: monitor for regeneration

Comment:

Site Condition: Deer Wintering Area

Proposed Start Date: 10/01/2014

48	33085048-Cut	53.6	6121 - Tamarack	0	3	1-50	Harvest	Clearcut	6121 - Tamarack	Planting Record	No
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Prescription Clearcut with retention; Cut all trees except leave a retention strip along the western boundary.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Tamarack and black spruce. Acceptable alternate regeneration of spruce, fir, pine, and aspen.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
49	33085049-Cut	9.8	6129 - Mixed Coniferous Lowland Forest	0	3	1-50	Harvest	Clearcut	6129 - Mixed Coniferous Lowland Forest	Planting Record	No
<u>Prescription</u> Clearcut with retention; Cut all trees except leave retention areas in the heaviest cedar patches capturing some of the tamarack for seed. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce, Tamarack, and balsam fir. Acceptable regeneration of mixed lowland deciduous species. <u>Regen:</u> <u>Other</u> The retention areas are approximate. Follow in-stand retention guidelines. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016											
51	33085051-Cut	8.1	4191 - Mixed Upland Deciduous with Conifer	0	3	1-50	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut with retention; Cut all trees except leave retention in the heaviest cedar areas. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Spruce/Fir, mixed deciduous species. <u>Regen:</u> <u>Other</u> The retention areas are approximate. Follow in-stand retention guidelines. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016											
69	33085069-Monitor	68.1	613 - Lowland Mixed Forest	0	1		Monitoring	Monitoring - Regeneration	6121 - Tamarack		No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Tamarack and black spruce. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2030											
97	33085097-Monitor	10.8	4139 - Aspen, Mixed Deciduous	3	4	1-50	Monitoring	Monitoring - Regeneration	413 - Aspen		No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Aspen, spruce and fir. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2030											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
115	33085115- Monitor	28.0	4130 - Aspen	0	1		Monitoring	Monitoring - Regeneration	413 - Aspen		No
<u>Prescription</u> <u>Specs:</u>  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> Aspen, maple, spruce and fir. <u>Regen:</u>  <u>Other</u> Percent to Treat = 100% <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2030											
124	33085124- Monitor	13.9	6121 - Tamarack	0	5	1-50	Monitoring	Monitoring - Regeneration	6121 - Tamarack		No
<u>Prescription</u> <u>Specs:</u>  <u>Next Step</u> <u>Treatments:</u>  <u>Acceptable</u> Tamarack and spruce. <u>Regen:</u>  <u>Other</u> Percent to Treat = 100% <u>Comment:</u>  <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2030											

**Total Treatment** 549.9  
**Acreage Proposed:**



## Report 4 – Site Conditions



### Availability for Management

Total Acres    Acres Available    Acres With Condition    Acres Not Available

### Dominant Site Conditions

2B    2H    3H    3J    5D    5E

668	540	116	12	Aspen	116	5		5		2
4	4	0	0	Bog						
1117	11	0	1106	Cedar			1,106			
24	24	0	0	Herbaceous Openland						
21	21	0	0	Lowland Aspen/Balsam Poplar						
57	48	0	8	Lowland Conifers		6				2
18	18	0	0	Lowland Deciduous						
96	96	0	0	Lowland Mixed Forest						
48	48	0	0	Lowland Shrub						
90	0	89	1	Mixed Upland Deciduous	89					1
23	23	0	0	Northern Hardwood						
313	283	0	30	Tamarack				13		17
46	26	21	0	Upland Conifers	21					
7	7	0	0	Upland Mixed Forest						
6	6	0	0	Upland Shrub						
17	8	0	9	Upland Spruce/Fir		9				
12	13	0	0	Urban						
2,568	1,177	226	1,165	Total Forested Acres	226	20	1,106	5	13	22
	46%	9%	45%	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	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable		5D: Unproductive forest land	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

# Report 4 – Site Conditions

Escanaba Mgt. Unit  
George Wilson: Examiner

Compartment: 85  
Year of Entry: 2027



2	Available	2B: Unknown if access through adjacent landowner(s) is possible	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: The majority of this stand is within the 300 foot buffer along the Hunters Brook type 1 stream.							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: Stand within the Hunters Brook riparian corridor.							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand within the Hunters Brook riparian corridor.							
7	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							

# Report 4 – Site Conditions

Escanaba Mgt. Unit  
George Wilson: Examiner

Compartment: 85  
Year of Entry: 2027



8	Available	2B: Unknown if access through adjacent landowner(s) is possible	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is an approximate area of retention for this stand.							
10	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This area is an approximate area for long term retention for this stand.							
11	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	475	Unspecified	Unspecified	Unspecified	Unspecified
Comments: High amount of northern white cedar. Lack of treatment due to Deer Winter Range Guidelines.							
12	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	578	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Near the deer yard. There was discussion on if harvesting should occur in this stand. I was determined to not harvest at this time.							
13	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

# Report 4 – Site Conditions

Escanaba Mgt. Unit  
George Wilson: Examiner

Compartment: 85  
Year of Entry: 2027



14	Available	2B: Unknown if access through adjacent landowner(s) is possible	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	2B: Unknown if access through adjacent landowner(s) is possible	65	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	2B: Unknown if access through adjacent landowner(s) is possible	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



# Report 4 – Site Conditions

Escanaba Mgt. Unit  
George Wilson: Examiner

Compartment: 85  
Year of Entry: 2027



20	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Available	2B: Unknown if access through adjacent landowner(s) is possible	69	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

## Report 4 – Site Conditions

Escanaba Mgt. Unit  
George Wilson: Examiner

Compartment: 85  
Year of Entry: 2027



32	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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
Hunters Brook Riparian Corridor	Habitat Area or Habitat Corridor	Other Habitat Area	SCA	86
<b>Comments</b>				
Riparian corridor and stream protection buffer along Hunter's brook. Previously small sections of Potential Old Growth removed and added a Habitat Area Corridor.				





Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

5

4130 - Aspen

Poletimber Medium

68.6

35

51-80

N/A

2025: Remote call for this stand due to wet access and river. Stand notes indicate good aspen regeneration. Teated in 1990 under permit # 33-03-87-01(Boney Falls Aspen). Coming into a 4-5 inch pole stand now. Some open areas and pocket of hardwood. In northwest portion is a removal cut area. Used OI data in this area.

Canopy Species	% Cover	Size Class	DBH	Age
White Ash	5	Log	12	
Quaking Aspen	90	Pole	5	35
Balsam Poplar	5	Sapling/Pole	4	

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

6

42340 - Upland Spruce/Fir

Poletimber Well

8.9

82

81-110

N/A

2025: Remote call for this stand due to private land and river blocking access. Stand notes indicate spruce stand with deciduous component.SCA riparian area corridor along the hunters brook.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	8	
Paper Birch	25	Pole	8	
Balsam Fir	10	Pole	8	
Black Spruce	50	Pole	8	82
Tamarack	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	< 5 feet	< 5 feet
Black Spruce	Low	< 5 feet	< 5 feet
Balsam Fir	Low	5 - 10 feet	5 - 10 feet

7

6120 - Lowland Cedar

Poletimber Well

42.1

116

111-140

N/A

2025: Typical cedar swamp along Hunters Brook.SCA - Hunters Brook riparian corridor.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Log	9	
Paper Birch	5	Log/Pole	10	
Quaking Aspen	5	Pole	9	
Balsam Poplar	5	Pole	9	
Balsam Fir	5	Pole	8	
White Spruce	5	Log/Pole	10	
Northern White Cedar	65	Pole/Log	9	116
Black Ash	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	Variable	Variable
Balsam Fir	High	10 - 20 feet	10 - 20 feet

8

6118 - Lowland Deciduous with Cedar

Sapling Poor

11.7

45

1-50

N/A

2025: Mixed cedar, paper birch, and aspen stand. Stand could be harvested next entry. Smaller diameters for the timber here.cedar strips cut in the 80's. There is cedar in the over story where left for seed source. The is ash, maple, aspen raspberries, spruce and fir in the understory - brushy from old browse. Did not notice new browse from this year. Because of the amount of snow i am not sure if there are smaller saplings under the snow.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole	8	45
Paper Birch	20	Pole	6	45
Quaking Aspen	20	Pole	8	45
Black Spruce	20	Pole	8	45
Northern White Cedar	20	Pole	9	45

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Black Spruce	Low	Variable	Variable
Quaking Aspen	Low	Variable	Variable
Red Maple	Low	Variable	Variable
Paper Birch	Low	Variable	Variable
Tag Alder	Low	Variable	Variable

9

6120 - Lowland Cedar

Poletimber Well

16.5

116

141-170

N/A

2025: Remote call due to difficult access. Stand notes indicate a typical cedar stand.SCA- riparian corridor along the hunters brook.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	8	
Balsam Fir	5	Pole	7	
Black Spruce	5	Pole	8	
Northern White Cedar	85	Log/Pole	10	116

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Black Spruce	Low	5 - 10 feet	5 - 10 feet

10

622 - Lowland Shrub

None

18.7

No

2025: Hunters Brook RMZ.Hunter Brook and surrounding low around.

Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

5

4130 - Aspen

Poletimber Medium

68.6

35

51-80

N/A

2025: Remote call for this stand due to wet access and river. Stand notes indicate good aspen regeneration. Teated in 1990 under permit # 33-03-87-01(Boney Falls Aspen). Coming into a 4-5 inch pole stand now. Some open areas and pocket of hardwood. In northwest portion is a removal cut area. Used OI data in this area.

Canopy Species	% Cover	Size Class	DBH	Age
White Ash	5	Log	12	
Quaking Aspen	90	Pole	5	35
Balsam Poplar	5	Sapling/Pole	4	

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

6

42340 - Upland Spruce/Fir

Poletimber Well

8.9

82

81-110

N/A

2025: Remote call for this stand due to private land and river blocking access. Stand notes indicate spruce stand with deciduous component.SCA riparian area corridor along the hunters brook.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	8	
Paper Birch	25	Pole	8	
Balsam Fir	10	Pole	8	
Black Spruce	50	Pole	8	82
Tamarack	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	< 5 feet	< 5 feet
Black Spruce	Low	< 5 feet	< 5 feet
Balsam Fir	Low	5 - 10 feet	5 - 10 feet

7

6120 - Lowland Cedar

Poletimber Well

42.1

116

111-140

N/A

2025: Typical cedar swamp along Hunters Brook.SCA - Hunters Brook riparian corridor.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Log	9	
Paper Birch	5	Log/Pole	10	
Quaking Aspen	5	Pole	9	
Balsam Poplar	5	Pole	9	
Balsam Fir	5	Pole	8	
White Spruce	5	Log/Pole	10	
Northern White Cedar	65	Pole/Log	9	116
Black Ash	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	Variable	Variable
Balsam Fir	High	10 - 20 feet	10 - 20 feet

8

6118 - Lowland Deciduous with Cedar

Sapling Poor

11.7

45

1-50

N/A

2025: Mixed cedar, paper birch, and aspen stand. Stand could be harvested next entry. Smaller diameters for the timber here.cedar strips cut in the 80's. There is cedar in the over story where left for seed source. The is ash, maple, aspen raspberries, spruce and fir in the understory - brushy from old browse. Did not notice new browse from this year. Because of the amount of snow i am not sure if there are smaller saplings under the snow.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole	8	45
Paper Birch	20	Pole	6	45
Quaking Aspen	20	Pole	8	45
Black Spruce	20	Pole	8	45
Northern White Cedar	20	Pole	9	45

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Black Spruce	Low	Variable	Variable
Quaking Aspen	Low	Variable	Variable
Red Maple	Low	Variable	Variable
Paper Birch	Low	Variable	Variable
Tag Alder	Low	Variable	Variable

9

6120 - Lowland Cedar

Poletimber Well

16.5

116

141-170

N/A

2025: Remote call due to difficult access. Stand notes indicate a typical cedar stand.SCA- riparian corridor along the hunters brook.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	8	
Balsam Fir	5	Pole	7	
Black Spruce	5	Pole	8	
Northern White Cedar	85	Log/Pole	10	116

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Black Spruce	Low	5 - 10 feet	5 - 10 feet

10

622 - Lowland Shrub

None

18.7

No

2025: Hunters Brook RMZ.Hunter Brook and surrounding low around.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
11	4134 - Aspen, Spruce/Fir	Sapling Medium	11.2	5	1-50	N/A	2025: Stand is regenerating moderately well. Regen is aspen, alder, spruce, and fir. Over-mature stand of timber. Scattered clumps and individual Cedar throughout the stand. This stand was broken out from the larger C stand to the east.																																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>40</td><td>Sapling</td><td>1</td><td>5</td></tr><tr><td>Balsam Poplar</td><td>25</td><td>Sapling</td><td>1</td><td>5</td></tr><tr><td>Balsam Fir</td><td>15</td><td>Sapling</td><td>1</td><td>5</td></tr><tr><td>White Spruce</td><td>20</td><td>Sapling</td><td>1</td><td>5</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	40	Sapling	1	5	Balsam Poplar	25	Sapling	1	5	Balsam Fir	15	Sapling	1	5	White Spruce	20	Sapling	1	5	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Spruce</td><td>Medium</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>&lt; 5 feet</td><td>&lt; 5 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	White Spruce	Medium	< 5 feet	< 5 feet	Balsam Fir	Medium	< 5 feet	< 5 feet																
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12	6120 - Lowland Cedar	Pole/timber Well	585.6	122	141-170	N/A	2025: Cedar stand with some blow down areas. Component of fir, spruce, and birch. Stand is mainly a pole sized cedar stand with areas of almost pure cedar (1-0 acre patches). Blow down is occurring in areas where the larger diameter cedar and spruce are present. These areas are mainly on the outer edge of the stand and not the interior. All of the species present, except for the cedar are at maturity and ready for harvest, however cedar would need to be cut for operability. The spruce and fir show some signs of flagging from budworm but it is not heavy at this time. In the open areas there are some young fir coming in 5 to 10' tall, there is some tag alder, willow and black ash in the stand but patchy and very small amounts.																																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>5</td><td>Pole/Log</td><td>8</td><td></td></tr><tr><td>Paper Birch</td><td>5</td><td>Pole</td><td>9</td><td></td></tr><tr><td>Quaking Aspen</td><td>5</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Balsam Fir</td><td>5</td><td>Pole</td><td>9</td><td></td></tr><tr><td>Black Spruce</td><td>5</td><td>Pole</td><td>7</td><td></td></tr><tr><td>Northern White Cedar</td><td>70</td><td>Pole/Log</td><td>9</td><td>122</td></tr><tr><td>Tamarack</td><td>5</td><td>Log</td><td>10</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	5	Pole/Log	8		Paper Birch	5	Pole	9		Quaking Aspen	5	Log/Pole	10		Balsam Fir	5	Pole	9		Black Spruce	5	Pole	7		Northern White Cedar	70	Pole/Log	9	122	Tamarack	5	Log	10																		
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13	4130 - Aspen	Pole/timber Well	7.6	36	51-80	N/A	2025: Nice aspen stand with maple and spruce component. Should be ready to cut the next 2 entries. Treated in 1989 under permit #11-07-01 (Hendricks Mile 21 Aspen). Nice aspen stand with low areas containing balm and ash in understory.																																																				
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14	6121 - Tamarack	Sapling Well	34.3	60	1-50	N/A	2025: Tamarack stand with variable sizes and densities. Average of 4 inches dbh. Stand has a lot of tamarack seedlings coming in. This stand is part of a large tamarack swamp /treed bog complex that was designated a special conservation area with forest stands allowed to age, experience natural processes of aging and regeneration, and serve as wildlife habitat to species adapted to these conditions. A couple of islands of mature aspen and balsam fir in north part of stand.																																																				
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15	622 - Lowland Shrub	None	12.2			No	2025: Remote call due to difficult access, previous stand notes indicate wetland alder mix. Lowland, tag alder, wet. Some of the higher areas contain some balm. Some portion was treated in 1990 under permit 33-03-87-1 (Boney Falls Aspen). Did not regenerate well at all.																																																				







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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
26	6121 - Tamarack	Poletimber Medium	10.8	62	1-50	N/A	2025: Small stocked tamarack stand with tag alder. Tamarack is seeding in and starting to fill in this area. This stand is part of a large tamarack swamp /treed bog complex that was previously designated a special conservation area. Forest stands were allowed to age, experience natural processes of aging and regeneration, and serve as wildlife habitat to species adapted to these conditions.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Spruce	20	Pole/Sapling	6	97	Buckthorn	Low		5 - 10 feet	5 - 10 feet
Tamarack	80	Pole/Sapling	6	62	Paper Birch	Low		10 - 20 feet	10 - 20 feet
					Tag Alder	High		5 - 10 feet	5 - 10 feet
					White Spruce	Trace		< 5 feet	< 5 feet
					Black Spruce	Low		< 5 feet	< 5 feet
					Balsam Fir	Low		10 - 20 feet	10 - 20 feet
					Tamarack	High		10 - 20 feet	10 - 20 feet
27	6124 - Lowland Spruce-Fir	Sapling Medium	4.6	28	Immature	N/A	2025: Poor quality stand, very wet. Black ash is 1 inch dbh and fir is 2 inches dbh. Cut in 1997.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	40	Sapling/Pole	2	28	Balsam Fir	Medium		5 - 10 feet	5 - 10 feet
White Spruce	20	Sapling	4		Tag Alder	High		5 - 10 feet	5 - 10 feet
Northern White Cedar	10	Pole	7	116	Red Osier Dogwood	Medium		5 - 10 feet	5 - 10 feet
Black Ash	30	Sapling	1		White Spruce	Medium		5 - 10 feet	5 - 10 feet
28	42330 - Upland Fir	Poletimber Medium	8.2	33	1-50	N/A	2025: Spruce and fir stand. Stand was harvested in 1992. Treated in 1992 under permit 14-90-01 (Forgotten Aspen). Some aspen and balsam fir in areas, lots of brambles.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	70	Pole	7	33	White Spruce	Medium		< 5 feet	< 5 feet
	White Spruce	30	Pole/Sapling	7		Balsam Fir	Medium	< 5 feet	< 5 feet
29	6121 - Tamarack	Poletimber Well	49.4	65	1-50	N/A	2025: Nice tamarack stand that is 4-6 inches dbh. Small component of black spruce as well. Trees are pretty spotty in this stand. Tamarack is seeding in and starting to fill in this area. This stand was a part of a large tamarack swamp /treed bog complex that has been designated a special conservation area where the forest stands were allowed to age, experience natural processes of aging and regeneration, and serve as wildlife habitat to species adapted to these conditions.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	5	Pole	9		Tag Alder	High		5 - 10 feet	5 - 10 feet
Black Spruce	15	Pole	5		Black Spruce	Low		Variable	Variable
Tamarack	80	Pole	6	65	Balsam Fir	Low		5 - 10 feet	5 - 10 feet
					Tamarack	High	10 - 20 feet	10 - 20 feet	
30	6121 - Tamarack	Sapling Medium	7.4	41	1-50	N/A	2025: Smaller one stick tamarack. This stand was a part of a large tamarack swamp /treed bog complex that was designated a special conservation area where forested stands were allowed to age, experience natural processes of aging and regeneration, and serve as wildlife habitat to species adapted to these conditions.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5	Sapling/Pole	3		White Pine	Low		5 - 10 feet	5 - 10 feet
Balsam Fir	5	Sapling/Pole	3		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
White Spruce	5	Sapling/Pole	4		Tamarack	High		5 - 10 feet	5 - 10 feet
Black Spruce	10	Sapling/Pole	4		White Spruce	Low		5 - 10 feet	5 - 10 feet
Northern White Cedar	5	Pole	8		Black Spruce	Low		< 5 feet	< 5 feet
Tamarack	65	Sapling/Pole	3	41					
White Pine	5	Log	12						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
31	6121 - Tamarack	Unspecified	21.2	2	1-50		2025: Very little spruce and tamarack regeneration so far. This stand may need a few more years to see results. Currently it's alder and willow. This stand was cut in 2023. Previously this stand was a part of a large tamarack swamp /treed bog complex that has been designated a special conservation area. Forest stands will be allowed to age, experience natural processes of aging and regeneration, and serve as wildlife habitat to species adapted to these conditions.
						<b>Sub-Canopy Species</b>	
						<b>Density</b>	
						<b>Avg. Height</b>	
32	6130 - Fir, Aspen, Maple	Sapling Medium	5.6	41	1-50	<b>Size</b>	2025: Mixed stand with aspen, birch, cedar and fir. Check to see stand age. TS# 044-084-02- Cedar present are those left for seedtree. Other spp doing well, with the snow load not sure if cedar is recruiting or not.
						Tamarack	
						Trace	
						< 5 feet	
33	310 - Herbaceous Openland	None	1.0			5 - 10 feet	2025: Grassy opening that appears to be planted with rye. PERIODICALLY MAINTAIN THROUGH MOWING.
						5 - 10 feet	
						>20 feet	
						>20 feet	
34	4134 - Aspen, Spruce/Fir	Sapling Well	96.3	42	Unspecified	N/A	2025: Nice aspen stand with variable diameters. Look to treat next entry. Cut under Timber Sale "Hunters Block " Reneneration looks really good. Good mix of spp coming.
						<b>Canopy Species</b>	
						<b>% Cover</b>	
						<b>Size Class</b>	
35	4199 - Other Mixed Upland Deciduous	Sapling Well	11.0	3	1-50	<b>DBH</b>	2025: This stand is regenerating well with aspen, ash, and Balsam Poplar. Scattered sugar maple and cedar in places.
						<b>Age</b>	
						<b>Sub-Canopy Species</b>	
						<b>Density</b>	
36	6121 - Tamarack	Unspecified	11.3	3	1-50	<b>Avg. Height</b>	2025: Remote call due to stand access. This stand was harvested in 2022 under the twenty-one winch sale. Smaller diameter to the north, can see on photo.
						<b>Size</b>	
						Tamarack	
						Low	
						< 5 feet	
						< 5 feet	
						> 5 feet	
						> 5 feet	
						5 - 10 feet	
						5 - 10 feet	
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						Variable	



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																						
42	4319 - Mixed Upland Forest	Sapling Well	6.9	53	51-80	N/A	2025: Stand is growing well to a mix of aspen, fir, and spruce.This stand was cut under the twenty one mile sale.																																																																						
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Quaking Aspen	Medium	< 5 feet	< 5 feet																																																																										
43	6112 - Lowland Aspen	Sawtimber Well	13.7	98	111-140	N/A	2025: Mainly a cedar stand with birch, aspen, and fir. Stand should be cut this entry if possible.Would be nice to treat this stand to help with spp diversity in the compartment. Small acreage and a long haul, if the Escanaba unit decides to treat stands in their Cmpt 87 maybe it could be done together.																																																																						
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44	4119 - Mixed Northern Hardwoods	Sawtimber Well	12.3	88	81-110	N/A	2025: Lower quality sugar maple stand. Very low maple regeneration. Lots of ironwood regen.This stand was cut under the Twenty One Mile sale. Obtained the age for a basswood tree.																																																																						
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45	6120 - Lowland Cedar	Sawtimber Well	17.3	110	111-140	N/A	2025: Dense healthy cedar stand.Cedar stand with an overmature upland pocket separated out and included with stand 35.																																																																						
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46	4130 - Aspen	Poletimber Well	11.7	40	81-110	N/A	2025: Nice quality aspen stand with conifer component. Look to harvest this stand next entry.This stand is a mix of bigtooth and quaking aspen. Cedar along the edge of the stand.																																																																						
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Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

47

4134 - Aspen, Spruce/Fir

Poletimber Well

29.4

33

1-50

N/A

2025: Decent quality aspen mixed stand. Look to treat this stand the next 2 entries. Treated in 19992 under permit 14-90-01 (Forgotten Aspen). Open areas and closer to 75% canopy closure.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	60	Pole/Sapling	5	33
Balsam Poplar	20	Sapling/Pole	4	
Balsam Fir	15	Sapling/Pole	4	
White Spruce	5	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Tamarack	Low	10 - 20 feet	10 - 20 feet
Black Cherry	Low	10 - 20 feet	10 - 20 feet
White Spruce	Low	10 - 20 feet	10 - 20 feet

48

6121 - Tamarack

Unspecified

62.0

3

1-50

2025: Moderate to lowly stocked tamarack lowland stand. Stand was cut in 2022 under the Twenty-One Winch sale. BA ranges from 60-130. Upland pocket of aspen, balsam fir, birch, and cedar.

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	Variable	Variable
Black Spruce	Low	< 5 feet	< 5 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	Variable	Variable
Tamarack	Medium	< 5 feet	< 5 feet

49

6129 - Mixed Coniferous Lowland Forest

Unspecified

12.6

3

1-50

2025: Stand was harvested in 2022 under the twenty-one winch sale. Remote call for this stand due to difficult access.

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Northern White Cedar	Low	>20 feet	>20 feet
Tamarack	Low	< 5 feet	< 5 feet

50

4134 - Aspen, Spruce/Fir

Sawtimber Well

47.4

98

81-110

N/A

2025: Stand is blocked by swamp and river. Remote call, refer to previous stand notes. More conifer on the edges of the stand and where there is a lowland area through the middle. Lease this for retention. Regeneration in the adjacent stands on private doing very well. Expect the same with this stand. Final harvest, no cut cedar or hemlock.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Log/XLog/Pole	16	
Paper Birch	10	Log/Pole	10	
Bigtooth Aspen	55	XLog/Log	18	98
Balsam Fir	7	Pole	8	
White Spruce	6	Log/Pole	12	
Black Spruce	7	Log/Pole	10	
Northern White Cedar	5	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Variable
Balsam Fir	Low	Variable	Variable

51

4191 - Mixed Upland Deciduous with Conifer

Unspecified

9.8

3

1-50

2025: Stand was harvested in 2022. Remote call for this stand due to difficult access. Balsam fir and spruce understory. Over mature pockets of timber.

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Medium	< 5 feet	< 5 feet
Balsam Fir	Low	< 5 feet	< 5 feet
Red Maple	Low	< 5 feet	< 5 feet

52

613 - Lowland Mixed Forest

Unspecified

2.6

20

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Trace	Variable	Variable
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Black Ash	Medium	Variable	Variable



Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

53

4136 - Aspen, Mixed Conifer

Sapling Well

14.8

32

Unspecified

N/A

2025: Very good aspen regeneration. Stand is dominated Quaking Aspen. Average BA is 20.Half of the stand was cut in 1993 and the other half in 1997- can't really tell on the ground where the change occurred. The cedar and spruce present is the residual left from the treatment. Regeneration is coming in well.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Sapling	1	
Quaking Aspen	70	Pole/Sapling	5	32
Balsam Fir	10	Sapling	3	
White Spruce	5		3	
Northern White Cedar	10	Pole/Log	8	

54

613 - Lowland Mixed Forest

Unspecified

5.1

30

2025: Lowland with sparse trees. OPIC - FMD: OI Stand Year Origin was

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Low	Variable	Variable
Alder	Medium	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	< 5 feet	< 5 feet

55

4136 - Aspen, Mixed Conifer

Poletimber Well

26.7

49

111-140

N/A

2025: Nice stand of aspen that is mainly bigtooth with a component of cedar, paper birch, and hemlock.Treated in 1976. Variable stand with lowland pockets of tag alder and open areas with balsam fir.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Pole	9	
Paper Birch	10	Pole	7	
Quaking Aspen	20	Pole/Log	9	49
Bigtooth Aspen	45	Pole/Log	9	49
Balsam Fir	10		6	
Northern White Cedar	5	Pole	9	
Hemlock	5		9	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	Variable	Variable
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	High	10 - 20 feet	10 - 20 feet

59

6118 - Lowland Deciduous with Cedar

Poletimber Medium

6.7

80

81-110

N/A

2025: Very wet and low quality stand with fir, ash, aspen, and maple. There is alot of tag alder in this stand. This stand could be treated next entry, the majority of there trees are pole size.More black ash than cedar. Very wet and poor quality areas.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5		10	
Red Maple	5		8	
Paper Birch	10		8	
Quaking Aspen	10		8	
Balsam Poplar	15		10	
Balsam Fir	15		7	
Northern White Cedar	20		10	80
Hemlock	5		13	
Black Ash	15		4	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

60

6120 - Lowland Cedar

Poletimber Well

11.3

100

51-80

N/A

2025: Lowland cedar stand with ash and birch. Very wet and has standing water.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10		5	
Balsam Poplar	5		7	
Northern White Cedar	75		7	100
Black Ash	10		5	

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
75	6121 - Tamarack	Poletimber Well	65.8	79	51-80	N/A	2025: Tamarack is declining in this stand with many dead standing. The diameters vary in this stand but are mainly 6 inches on average. This stand was a part of a large tamarack swamp /treed bog complex that was previously designated a special conservation area.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5		7		Tamarack	Low		10 - 20 feet	10 - 20 feet
Black Spruce	40	Pole	6	75	Paper Birch	Trace		10 - 20 feet	10 - 20 feet
Northern White Cedar	5	Log/Pole	10		Tag Alder	High		5 - 10 feet	5 - 10 feet
Tamarack	50	Pole	7	79	Black Spruce	Low		5 - 10 feet	5 - 10 feet
78	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Poor	7.4	14	Immature	N/A	2025: Stand is regenerating but very patchy. There is areas of pure tag alder and willow. Good regeneration of white pine, aspen and balsam fir where it is drier. Treated in 2013 under contract 426 Leftover sale, #330010701.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	20		1	14	Cattail spp.	Low		Not Applicable	Not Applicable
Balsam Poplar	10	Sapling	1	14	Tag Alder	High		5 - 10 feet	5 - 10 feet
Balsam Fir	25		4	14	Red Osier Dogwood	Medium		5 - 10 feet	5 - 10 feet
White Spruce	20		2		White Spruce	Medium		5 - 10 feet	5 - 10 feet
Tamarack	15		3	14	Willow spp.	Medium	5 - 10 feet	5 - 10 feet	
79	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	26.1	33	1-50	N/A	2025: Very mixed stand, mainly aspen, pine, and fir. I will have to find a cutting record to determine the age of the stand.No record of cutting found.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	40	Sapling	2	33	Tag Alder	High		5 - 10 feet	5 - 10 feet
Balsam Fir	20	Sapling	3		Red Osier Dogwood	Medium		5 - 10 feet	5 - 10 feet
White Spruce	15	Sapling	2		Balsam Fir	Low		5 - 10 feet	5 - 10 feet
Tamarack	20	Sapling	2	33	Tamarack	Low		5 - 10 feet	5 - 10 feet
White Pine	5	Sapling	3		Balsam Poplar	Low	5 - 10 feet	5 - 10 feet	
88	4134 - Aspen, Spruce/Fir	Sapling Well	16.1	12	Immature	N/A	2025: Nice aspen regeneration. Around 75% filled in with growth. Spruce and pine component to this stand.The entire south end has a significant amount of cedar left. Some sparse areas with 25-50% canopy cover. This stand was cut in 2013 under the 426 leftover sale.		
Canopy Species	% Cover	Size Class	DBH	Age					
Quaking Aspen	65	Sapling	1	12					
Balsam Fir	10	Pole/Sapling	6						
White Spruce	5	Pole/Sapling	6						
Black Spruce	5	Sapling/Pole	4						
Northern White Cedar	10	Pole	9						
Tamarack	5	Sapling/Pole	4						
93	6121 - Tamarack	Poletimber Poor	41.0	65	1-50	N/A	2025: Lower quality tamarack stand that is very sparse. Understory is all tag alder and willow.Tamarack is seeding in and starting to fill in this area. This stand was a part of a large tamarack swamp /treed bog complex that was designated a special conservation area.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Poplar	5	Pole	8		Balsam Fir	Low		5 - 10 feet	5 - 10 feet
Balsam Fir	10	Sapling	3		Tamarack	Low		5 - 10 feet	5 - 10 feet
Black Spruce	15	Pole/Sapling	5		Willow spp.	Low		5 - 10 feet	5 - 10 feet
Northern White Cedar	5	Pole	9		Buckthorn	Low		5 - 10 feet	5 - 10 feet
Tamarack	65		5	65	Tag Alder	Full	5 - 10 feet	5 - 10 feet	













Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>443</b>	310 - Herbaceous Openland	None	2.7			Yes	2025: Grassy opening planted to rye.Scattered clumps of maple, aspen, spruce and fir.
<b>444</b>	310 - Herbaceous Openland	None	2.9			Yes	2025: Planted opening with a few scattered spruce and maple.Couple scattered clumps of trees.