



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32285

Entry Year 2025

Acreage: 1,235

County Marquette

Management Area: Menominee-Marquette

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**Stand Examiner:** Rick Hill

**Legal Description:**

T47N R23W Sections 20, 21 and 29; T47N R24W Section 24

**Identified Planning Goals:**

Vegetative management in the area will provide a variety of forest products; maintain or enhance wildlife habitat; protect areas with unique characteristics; and provide for forest based recreational uses.

**Soil and topography:**

Compartment is mainly flat with several small creeks/seasonal drains in the lowland areas. The Chocolay River is found in the small part of the compartment in section 24. Soils are mainly Skanee-Gay and Zeba-Jacobsville Complex soils, both somewhat poorly drained with wind throw potential moderate to severe, 0-3% slopes. Stands with the better quality hardwood are found on the Munising-Skanee Complex having moderately well drained soils with 0-6% slopes.

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

The compartment consists of one main block with good access off a country road, forest roads and one road with a management easement on it. The small area in section 24 has walking access on an old railroad grade. This part of the compartment also contains a lease with the US Fish and Wildlife Service, historically a sea lamprey weir was operated at that location. The compartment is surrounded by State and PVT ownership.

**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:**

The compartment is within a deer winter complex and is used by whitetail deer in the winter areas of thermal cover will be protected. Harvesting will take place in the winter to provide a food source for deer.

**Watershed and Fisheries Considerations:**

ELSMU-Cory Kovacs

The western portion of this compartment contains the Chocolay River. Stands located near the Chocolay River are not prescribed with any treatments in this YOE, so Fisheries has no concerns for that portion of the compartment at this time. The eastern portion of the compartment contains Le Vasseur Creek and East Branch. Both streams are warm transitional and designated Type 1 trout streams, but may serve as spawning reaches for warmwater species from Lake Le Vasseur. Both streams are less than 50-ft wide and have a mean July temperature of less than 63°F. For areas not susceptible to aspen regeneration, a minimum of 100-ft, plus 5-ft per 1% increase in slope, buffer is recommended to protect these areas in accordance with Best Management Practices.

**Wildlife Habitat Considerations:**

This compartment is found within the Menominee-Marquette Management Area, on a Till-floored Lake Plain in northeastern Marquette County. The dominant Natural Communities are mesic northern forest and poor conifer swamps. Major forest cover types include Northern Hardwoods, Aspen, and Hemlock. Wildlife species considerations in the Sand River Lake Plain Man include managing to provide coniferous thermal cover for deer wintering complexes. The emphasis should be on hemlock in this management area as it represents approximately 20% of the WUP hemlock resource. Along with maintaining wildlife movement corridors along vernal and permanent riparian watercourses is also very important. Wildlife management issues in the management area are habitat fragmentation; coarse woody debris; retain or develop large living and dead standing trees (for cavities); mesic conifer; mature forest; within-stand diversity; and deer wintering complexes.

The following have been identified as featured species for the Menominee-Marquette Management Area: American Woodcock, Blackburnian Warbler, Cerulean Warbler, Golden-winged Warbler, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear.

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

Surface sediments consist of lacustrine (lake) sand and gravel and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. A gravel pit is located in Section 17, and potential appears to be good. This compartment has never been leased for metallic exploration. There is no economic oil and gas production in the UP.

### **Vehicle Access:**

The compartment has one main block with good access off a country road and one road on the west side with a management easement on it. The small area in section 24 has walking access on an old railroad grade or through the leased land.

### **Survey Needs:**

Any needed survey requests will be submitted after compartment review.

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

Lake Kawbawgam is just north of the compartment. The area is mainly used by small game hunters and trappers.

### **Fire Protection:**

The compartment is under the Gwinn Management Unit for fire protection. The area has low potential for large fires because of the timber types.

### **Additional Compartment Information:**

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

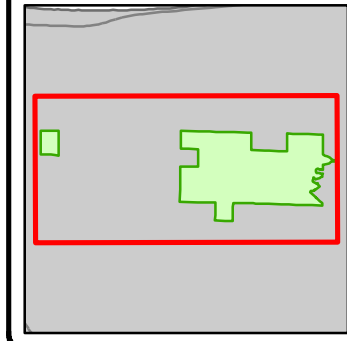
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

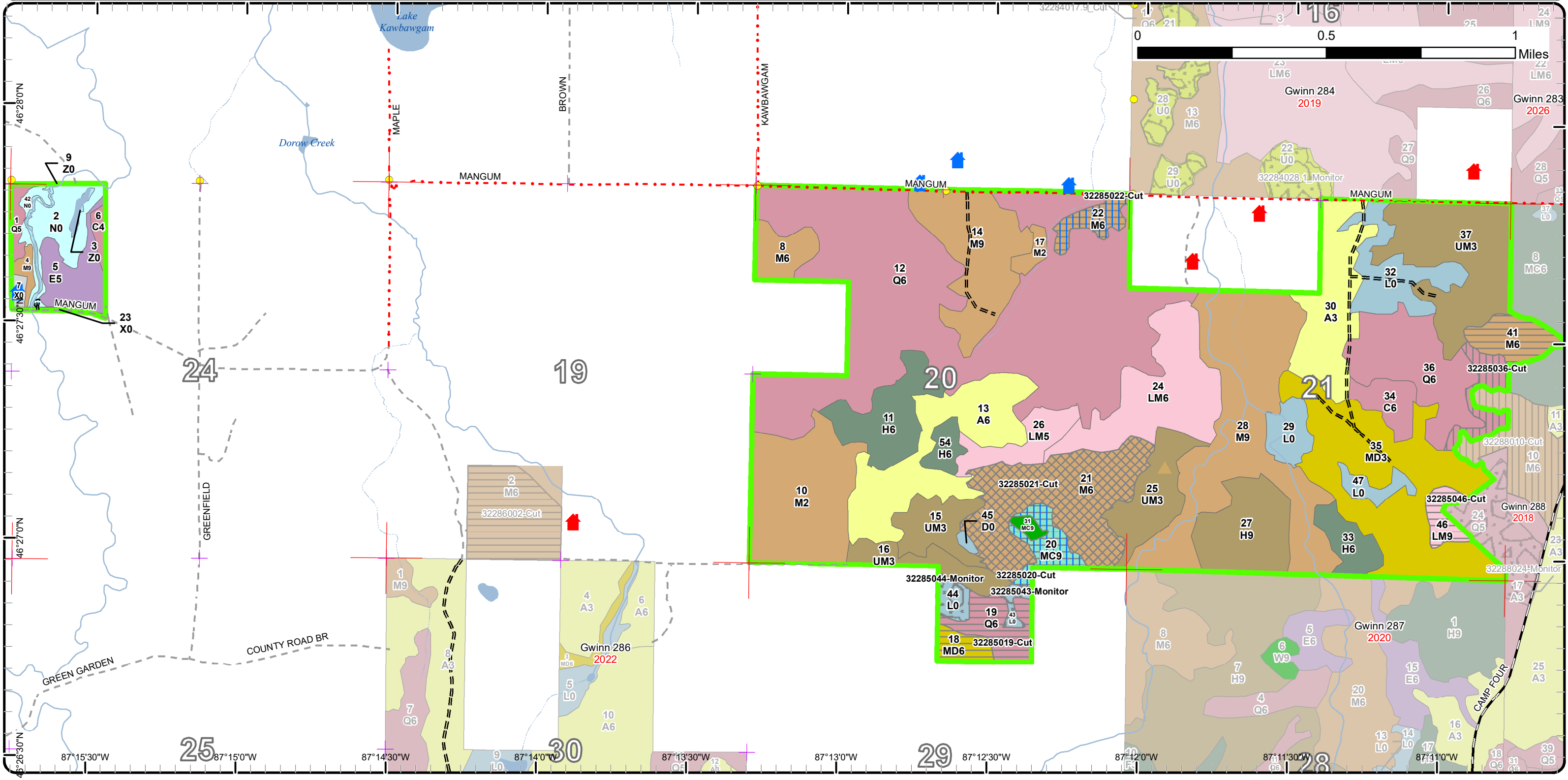
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 285  
 T47N, R24W, Sec: 24  
 T47N, R23W, Sec. 20, 21, 29  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Menominee-Marquette  
 YOE: 2025  
 Acres: 1235.4 GIS Calculated  
 Examiner: Rick Hill  
 Map Revised: 8/17/2023  
 Map Phase: Pre-Review

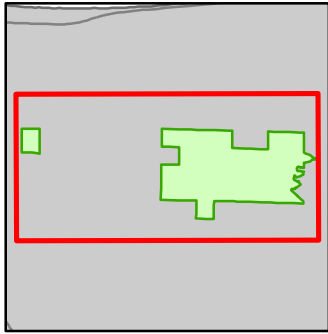


- |                                  |                                  |                                   |
|----------------------------------|----------------------------------|-----------------------------------|
| — Miris Corners                  | — Lakes and Rivers               | ■ 612 - Lowland Coniferous Forest |
| + Remonumented Section Corners   | ■ Compartment Boundary           | ■ 613 - Lowland Mixed Forest      |
| ● Survey Grade Corners           | ▨ Selection (Group, Single Tree) | ■ 110 - Low Intensity Urban       |
| --- Counties                     | ▨ Clearcut (w/Reserves)          | ■ 122 - Roads/Parking Lot         |
| — DNR - Primary Forest Road      | ▨ Seed Tree (w/Reserves)         | ■ 500 - Water                     |
| == DNR - Forest Access Route     | ▨ Regeneration Survey            | ■ 622 - Lowland Shrub             |
| -.- County - Gravel Road         | ▨ Shelter Wood (w/Reserves)      | ■ 623 - Emergent Wetland          |
| - - Private - Dirt / Gravel Road | ■ 411 - Northern Hardwood        |                                   |
| 🏠 Cabin                          | ■ 413 - Aspen                    |                                   |
| 🏠 House                          | ■ 419 - Mixed Upland Deciduous   |                                   |
| ▲ Berms                          | ■ 422 - Natural Pines            |                                   |
| --- Intermittent Stream          | ■ 423 - Other Upland Conifers    |                                   |
| — Lake/Pond                      | ■ 429 - Mixed Upland Conifers    |                                   |
| — Perennial River                | ■ 430 - Upland Mixed Forest      |                                   |
|                                  | ■ 611 - Lowland Deciduous Forest |                                   |

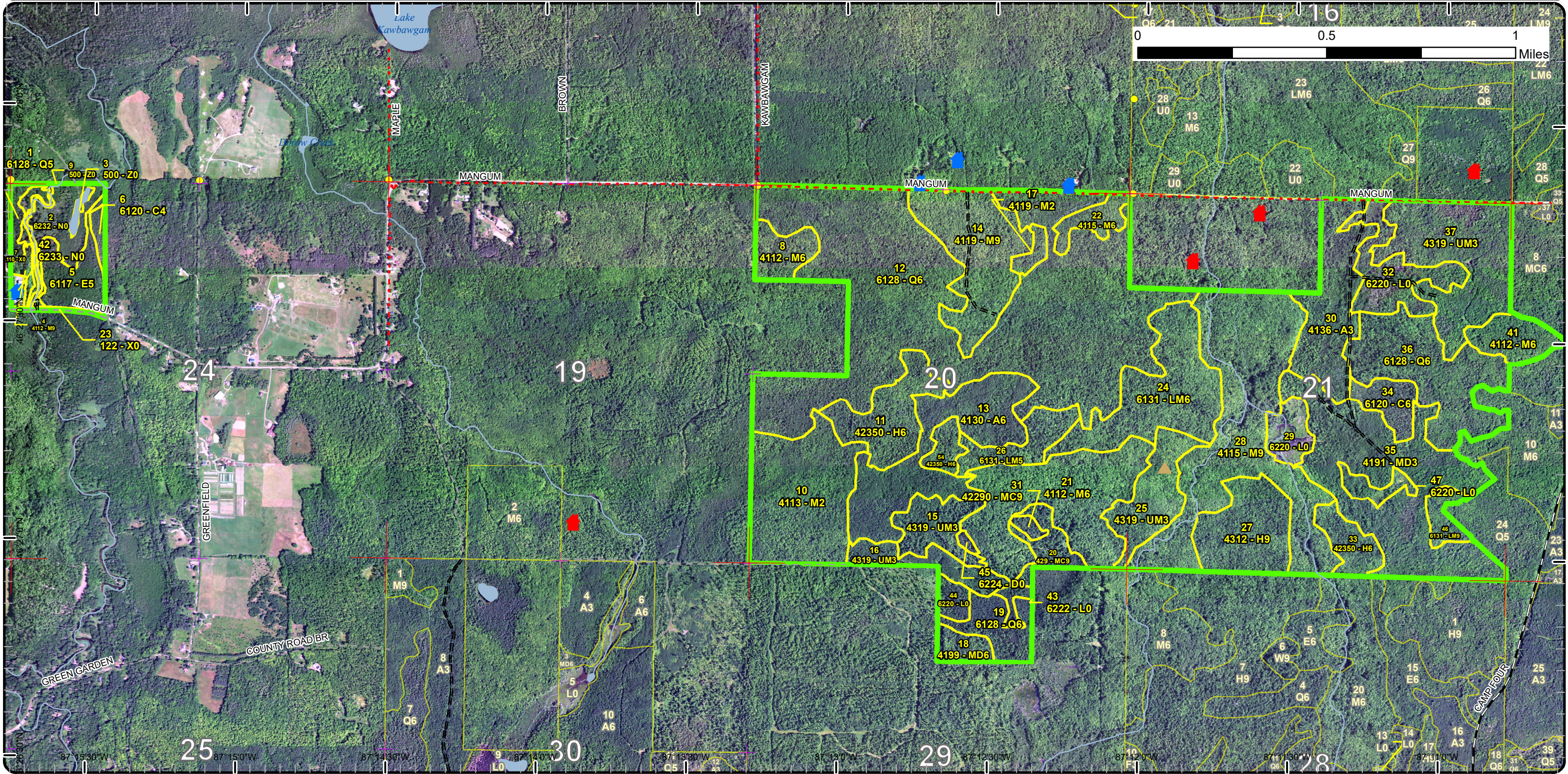


# Stand Boundary Map

Compartment: 285  
 T47N, R24W, Sec: 24  
 T47N, R23W, Sec: 20, 21, 29  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Menominee-  
 Marquette  
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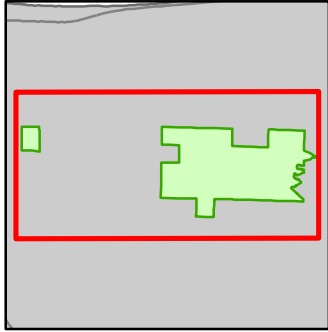


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Dirt / Gravel Road
- Cabin
- House
- ▲ Berms
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 122 - Roads/Parking Lot

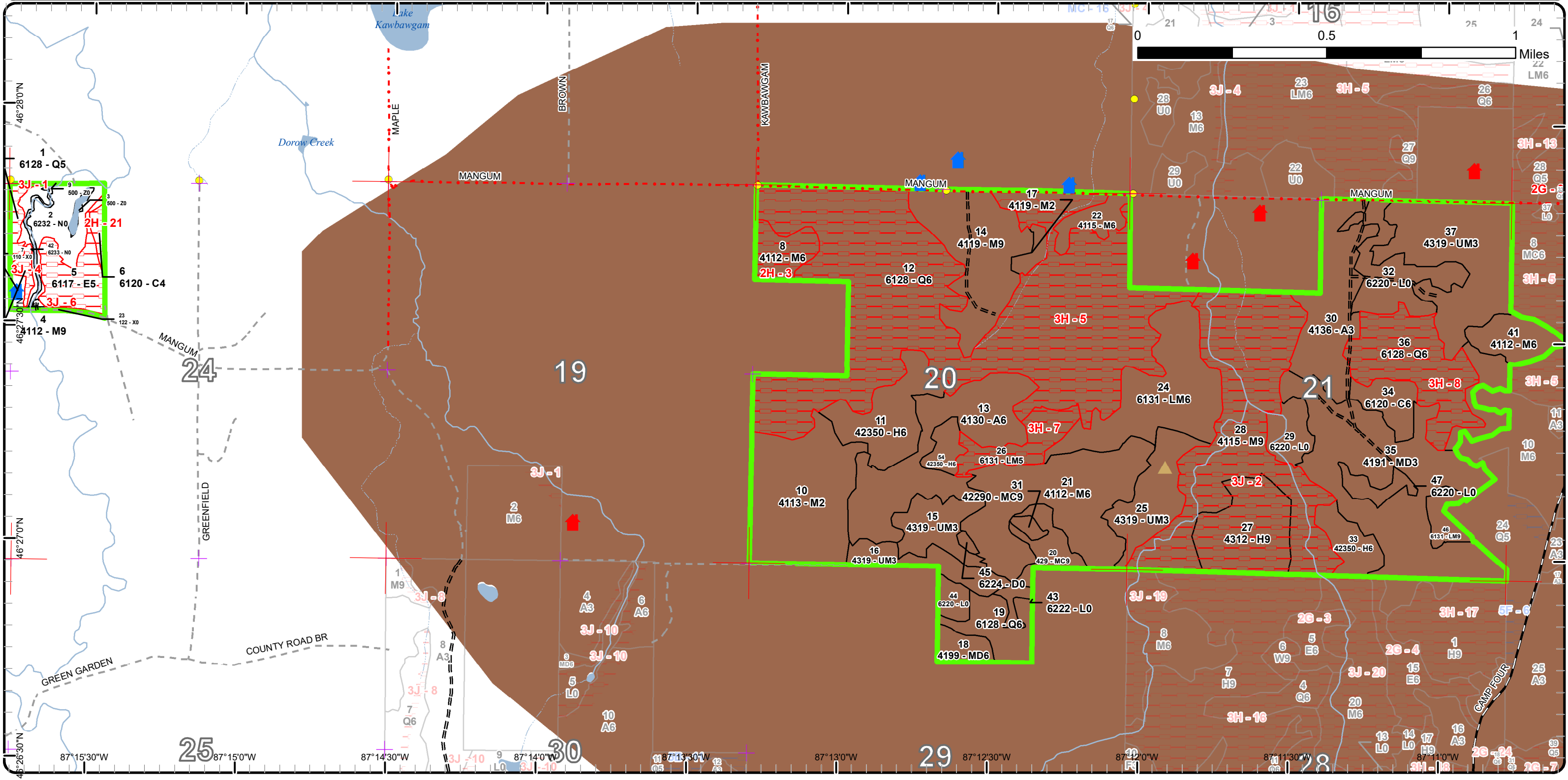


# Special Conservation Areas

Compartment: 285  
 T47N, R24W, Sec: 24  
 T47N, R23W, Sec. 20, 21, 29  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Menominee-  
 Marquette  
 YOE: 2025  
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- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Dirt / Gravel Road
- Cabin
- House
- ▲ Berms
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Deer Winter Range



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	0	0	0	41	55	0	0	0	0	0	0	0	0	0	0	0	0	96
Cedar	0	0	0	0	0	0	0	0	0	0	12	3	0	0	0	0	0	0	15
Hemlock	0	0	0	0	0	0	0	0	0	47	35	0	0	0	0	0	0	0	82
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	308	21	0	0	0	0	0	0	328
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	17
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	7	68	0	0	0	0	0	0	0	75
Lowland Shrub	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
Marsh	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Mixed Upland Deciduous	0	0	0	0	88	0	0	0	0	0	7	0	0	0	0	0	0	0	95
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
Northern Hardwood	0	64	0	0	0	0	0	0	0	105	150	3	0	0	0	0	0	0	322
Treed Bog	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	11
Upland Mixed Forest	0	25	0	33	56	0	0	0	0	0	0	0	0	0	0	0	0	0	113
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
<b>Total</b>	<b>78</b>	<b>89</b>	<b>0</b>	<b>33</b>	<b>185</b>	<b>55</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>159</b>	<b>597</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1234</b>



## Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 285  
Total Compartment Acres: 1,235

Commercial Harvest - 143  
Harvests with Site Condition - 0  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Lowland Conifers	16	0	0	0	11	0	0	0	0	27
Lowland Mixed Forest	7	0	0	0	0	0	0	0	0	7
Mixed Upland Deciduous	7	0	0	0	0	0	0	0	0	7
Northern Hardwood	15	66	0	9	0	0	0	0	0	90
Upland Conifers	0	0	0	11	0	0	0	0	0	11
<b>Total</b>	<b>46</b>	<b>66</b>	<b>0</b>	<b>20</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>143</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	143	0	0	0	0	0	9	0	0	152
Next Step	0	0	0	25	0	0	143	0	0	168
<b>Total</b>	<b>143</b>	<b>0</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>152</b>	<b>0</b>	<b>0</b>	<b>319</b>



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

<b>18 32285018-Cut</b>	7.2	4199 - Other Mixed Upland Deciduous	Poletimber Well	98	111-140	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	No
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Prescription Cut all trees over 2 inches DBH, leaving only white pine, hemlock, cedar, and yellow birch. Winter harvest spec due to low ground and DWC cutting restricted to 12/1-3/31.  
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Mixed northern hardwood, aspen, spruce, fir, mixed pine, mixed conifer.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

<b>19 32285019-Cut</b>	16.0	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	105	111-140	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription Cut all trees over 2 inches DBH, leaving only white pine, hemlock, cedar, and yellow birch. Retention pocket will include tamarack and black spruce. Winter harvest spec due to low ground and DWC cutting restricted to 12/1-3/31.  
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); Seeding, Hand Seed

Treatments:

Acceptable Black spruce, tamarack, fir, white pine, mixed hardwood, mixed conifer

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

<b>20 32285020-Cut</b>	11.2	429 - Mixed Upland Conifers	Sawtimber Well	106	81-110	Harvest	Seed Tree with Retention	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Cut all trees leaving hemlock, red and white pine. mark pine if needed to achieve residual BA of 40 SQ FT. Winter harvest spec due to low ground and DWC cutting restricted to 12/1-3/31.  
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, Birch, maple, mixed hardwood mixed pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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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
21	32285021-Cut	66.0	4112 - Maple, Beech, Cherry Association	Poletimber Well	96	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription Specs:</u> Mark stand to 80 SQ FT do not mark hemlock or cedar. Favor the retention of yellow birch within stand. Winter harvest spec due to low ground and DWC cutting restricted to 12/1-3/31.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> maple, hemlock, other mixed hardwood</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
22	32285022-Cut	9.0	4115 - Y.Birch, Hemlock NH	Poletimber Well	93	111-140	Harvest	Seed Tree with Retention	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all trees over 2 inches DBH leaving only hemlock, yellow birch, cedar, and white pine. No area retention is required for this stand due to small size. Winter harvest spec due to low ground and DWC cutting restricted to 12/1-3/31.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Maple, Mixed hardwood and conifer</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
36	32285036-Cut	11.3	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	98	81-110	Harvest	Shelterwood with Retention	613 - Lowland Mixed Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all trees over 2 inches DBH leaving only hemlock, cedar, white pine, and yellow birch. use the harvest exception spec if needed to operate in the stand. Winter harvest spec due to low ground and DWC cutting restricted to 12/1-3/31.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Red Maple, spruce, mixed deciduous, mixed conifer.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
41	32285041-Cut	14.9	4112 - Maple, Beech, Cherry Association	Poletimber Well	93	111-140	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription Specs:</u> Cut all trees over 2 inches dbh, leaving only hemlock, cedar, yellow birch and white pine. Winter harvest spec due to low ground and DWC cutting restricted to 12/1-3/31.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Maple, hemlock, aspen, birch</p> <p><u>Other 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
<b>43 32285043-Monitor</b>	3.2	6222 - Shrub-Carr	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	6122 - Black Spruce	Even-Aged	No
<u>Prescription</u> Check regen <u>Specs:</u> <u>Next Step</u> Seeding, Hand Seed <u>Treatments:</u> <u>Acceptable</u> Spruce, mixed lowland conifer, mixed hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2028										
<b>44 32285044-Monitor</b>	5.3	6220 - Alder/willow	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	6122 - Black Spruce	Even-Aged	No
<u>Prescription</u> Check regeneration, stand will likely take a bit longer due to low ground conditions and timber type. <u>Specs:</u> <u>Next Step</u> Seeding, Hand Seed <u>Treatments:</u> <u>Acceptable</u> black spruce, tamarack, mixed conifer and mixed hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2028										
<b>46 32285046-Cut</b>	7.4	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	85	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<u>Prescription</u> Cut all trees over 2 inches in diameter, leaving only hemlock, cedar, white pine, and yellow birch. Focus retention areas on high hemlock and cedar stocking. Winter harvest spec due to low ground and DWC cutting restricted to 12/1-3/31. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> spruce, fir, aspen, maple, hemlock <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024										

**Total Treatment** 151.5  
**Acreage Proposed:**

Report 4 – Site Conditions

Gwinn Mgt. Unit  
Rick Hill : Examiner

Compartment: 285  
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions		
Acres	Available	With Condition	Not Available	2H	3H	3J
95	95	0	0	Aspen		
15	12	0	3	Cedar	3	
82	48	0	34	Hemlock		34
328	28	0	300	Lowland Conifers		5
17	0	0	17	Lowland Deciduous		17
75	59	0	16	Lowland Mixed Forest	16	
51	51	0	0	Lowland Shrub		
19	19	0	0	Marsh		
95	95	0	0	Mixed Upland Deciduous		
2	2	0	0	Natural Mixed Pines		
322	202	0	120	Northern Hardwood	12	108
1	1	0	0	Treed Bog		
11	11	0	0	Upland Conifers		
114	114	0	0	Upland Mixed Forest		
3	3	0	0	Urban		
4	4	0	0	Water		
1,235	744		491	Total Forested Acres	15	164
	60%		40%	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)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	139	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit  
Rick Hill : Examiner

Compartment: 285  
Year of Entry: 2025

3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	254	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit  
Rick Hill : Examiner

Compartment: 285  
Year of Entry: 2025

9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**1** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 4.5 106 51-80 N/A Area was cut over, old stumps still showing through the snow. Spruce and cedar good quality but not a heavily stocked.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	30	Pole/Log	10	106	Tag Alder	Low	Variable	Tall Shrub
Green Ash	5	Pole	8		Bog Birch	Low	Variable	Tall Shrub
Yellow Birch	5	Sapling/Pole	6					
White Spruce	25	Sapling	5					
Black Spruce	20	Log/Pole/XLog	12					
American Elm	15	Pole/Sapling	7					

**2** 6232 - Wet Prairie Nonstocked 15.8 0 Unspecified No dock, marsh grasses through snow, very open grown spp

**3** 500 - Water Nonstocked 1.5 Unspecified No

**4** 4112 - Maple, Beech, Cherry Association Sawtimber Well 2.9 106 81-110 N/A 40% slope or greater on 1/2 stand.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole/Log	9	
Bigtooth Aspen	5	Pole/Log	10	
Sugar Maple	75	Log/Pole/XLog	12	106
Red Maple	10	Log/Pole	10	
Beech	5	Pole	7	

**5** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 17.2 96 1-50 N/A Unproductive stand

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
American Elm	7	Sapling/Pole	6		Bog Birch	Medium	Variable	Tall Shrub
Red Maple	5	Pole/Sapling	7		Willow spp.	Medium	Variable	Tall Shrub
Black Spruce	15	Pole/Sapling	7		Tag Alder	Medium	10 - 20 feet	Tall Shrub
Northern White Cedar	8	Pole	7					
Willow spp.	30	Pole/Log	9	96				
Black Ash	20	Sapling/Pole	6					
Quaking Aspen	15	Pole/Sapling	6					

**6** 6120 - Lowland Cedar Poletimber Poor 3.0 101 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Log/Pole	12		Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir	5	Sapling/Pole	4		Northern White Cedar	Low	10 - 20 feet	Sapling
Black Spruce	15	Pole/Sapling	7		Black Ash	Medium	Variable	Sapling
Northern White Cedar	50	Pole/Sapling	8	101	Tag Alder	Low	10 - 20 feet	Tall Shrub
Paper Birch	5	Pole/Sapling	7					
Black Ash	20	Sapling/Pole	5					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>7</b>	110 - Low Intensity Urban	Nonstocked	2.0		Unspecified	No	An easement was granted to the US Fish & Wildlife Service on 3-24-1953 to maintain this facility for lamprey control. I looked it up in LOTS to verify. Parcel # 150138 - J. Caron
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<b>8</b>	4112 - Maple, Beech, Cherry Association	Poletimber Well	12.5	93	111-140	N/A	Stand prepped twice in last 20 years, was not cut due to access across swamp in either sale factored due to access.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	3	Pole/Log	10		Red Maple	Low	Variable	Sapling
Northern White Cedar	7	Pole/Sapling	8		White Spruce	Low	Variable	Pole
Red Maple	50	Pole/Log/Sap	9	93	Hemlock	Low	Variable	Sapling
Hemlock	10	Pole/Log	10					
Sugar Maple	30	Pole/Log/Sap	9					

<b>9</b>	500 - Water	Nonstocked	2.3	0	Unspecified	No	
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<b>10</b>	4113 - R.Maple, Conifer	Sapling Medium	59.9	3	Immature	N/A	Cut by JM Longyear in winter of 2019-2020 by Draton Logging. contract 32-105-16 Hotdog hardwood.
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Sapling	1	
Quaking Aspen	5	Sapling	1	
White Spruce	5	Sapling	1	
Hemlock	10	Log/Pole	12	
White Pine	5	Log/Pole	11	
Red Maple	55	Sapling	1	3
Sugar Maple	15	Sapling	1	

<b>11</b>	42350 - Upland Hemlock	Poletimber Well	28.6	98	51-80	N/A	Cut by JM Longyear in winter of 2019-2020 by Draton Logging. contract 32-105-16 Hotdog hardwood.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Sapling	1	5	Red Maple	Low	5 - 10 feet	Sapling
Yellow Birch	15	Sapling	1		Hemlock	Low	5 - 10 feet	Sapling
Northern White Cedar	5	Pole/Log	10		Balsam Fir	Low	5 - 10 feet	Sapling
Hemlock	60	Pole/Log/Sap	8	98				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**12** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 253.7 93 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	5	Log/Pole	11		Balsam Fir	Low	Variable	Sapling
Yellow Birch	3	Log/Pole	10		Black Spruce	Low	Variable	Sapling
Black Ash	5	Sapling/Pole	7		Red Maple	Low	Variable	Sapling
Quaking Aspen	5	Pole/Sapling	8		Hemlock	Low	Variable	Pole
Northern White Cedar	25	Pole	9					
White Pine	2	XLog/Log	18					
Balsam Fir	5	Sapling	5					
White Spruce	5	Log/Pole	12					
Red Maple	15	Pole/Sapling	8					
Hemlock	30	Pole/Log/Sap	9	93				

**13** 4130 - Aspen Poletimber Well 54.7 47 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	3	Pole/Sapling	9	
Quaking Aspen	70	Pole	8	47
Hemlock	5	Pole/Sapling	9	
White Spruce	3	Sapling/Pole	5	
Red Maple	14	Pole/Sapling	7	
Paper Birch	5	Pole	8	

**14** 4119 - Mixed Northern Hardwoods Sawtimber Well 47.9 96 81-110 N/A Cut in 2020 under penny slot hardwood 107-16 by Sanville Logging.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Pole/Log/Sap	10		Hemlock	Low	Variable	Sapling
Red Maple	45	Pole/Log/Sap	10	96	Sugar Maple	Low	Variable	Sapling
Basswood	10	Pole/Log	10		Balsam Fir	Low	Variable	Sapling
Balsam Fir	3	Pole/Sapling	6		Red Maple	Low	Variable	Sapling
Sugar Maple	27	Pole/Log/Sap	10					
Green Ash	5	Pole/Sapling	8					
Hemlock	5	Pole/Log	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**15** 4319 - Mixed Upland Forest Sapling Well 17.7 25 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	12	Sapling/Pole	4	
Quaking Aspen	12	Sapling/Pole	4	25
Red Maple	17	Sapling/Pole	4	25
Hemlock	10	Pole/Sapling	9	
Balsam Fir	12	Sapling	4	
White Spruce	10	Sapling/Pole	4	
Yellow Birch	12	Sapling/Pole	4	25
Northern White Cedar	10	Pole/Sapling	9	
Beech	5	Sapling/Pole	4	

**16** 4319 - Mixed Upland Forest Sapling Well 14.8 25 1-50 N/A Stand cut under TS #17-95.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	10	Log	14	
Red Pine	2	Log/Pole	14	
Black Spruce	3	Sapling	3	
Quaking Aspen	38	Sapling	4	25
Balsam Fir	15	Sapling	4	
White Spruce	2	Sapling	3	
White Pine	5	Sapling	3	
Red Maple	15	Sapling	4	
Hemlock	10	Pole/Sapling	9	

**17** 4119 - Mixed Northern Hardwoods Sapling Medium 4.0 3 Immature N/A Cut in 2020 under penny slot hardwood 107-16 by Sanville Logging.

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	8	Log/Pole	14	
Balsam Fir	8	Sapling	1	
Sugar Maple	30	Sapling	1	
Red Maple	44	Sapling	1	3
Quaking Aspen	10	Sapling	1	

**18** 4199 - Other Mixed Upland Deciduous Poletimber Well 7.2 98 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	10	Pole	10		Balsam Fir	Low	5 - 10 feet	Sapling
Sugar Maple	10	Pole	8		Hemlock	Low	5 - 10 feet	Sapling
Red Maple	36	Log/Pole	10	98	Red Maple	Low	5 - 10 feet	Sapling
Quaking Aspen	35	Pole/Log	10					
Balsam Fir	9	Pole/Sapling	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																			
19	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	16.0	105	111-140	N/A																																																																				
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23	122 - Road/Parking Lot	Nonstocked	1.3	0	Unspecified	No	Mangum road and ROW.																																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
24	6131 - Hemlock, White Pine, Maple, Birch	Poletimber Well	51.6	96	81-110	N/A	Cut by JM Longyear in winter of 2019-2020 by Draton Logging. contract 32-105-16 Hotdog hardwood.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	46	Pole/Log	10	96
Northern White Cedar	5	Pole/Log	10	
Hemlock	47	Log/Pole	10	96
White Pine	2	XLog/Log	18	

25	4319 - Mixed Upland Forest	Sapling Well	24.6	4	Immature	N/A	Cut by JM Longyear in winter of 2019-2020 by Draton Logging. contract 32-105-16 Hotdog hardwood.
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	15	Sapling	1	
Balsam Fir	10	Sapling	1	
White Pine	20	Sapling	1	
Hemlock	15	Sapling	1	
Red Maple	40	Sapling	1	4

26	6131 - Hemlock, White Pine, Maple, Birch	Poletimber Medium	15.9	96	111-140	N/A	Cut by JM Longyear in winter of 2019-2020 by Draton Logging. contract 32-105-16 Hotdog hardwood.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	46	Pole/Log	10	96
White Pine	2	XLog/Log	18	
Hemlock	47	Log/Pole	10	96
Northern White Cedar	5	Pole/Log	10	

27	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	34.1	88	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	8	Log/Pole	12	
Northern White Cedar	8	Log/Pole	10	
White Pine	2	XLog/Log	25	
Red Maple	20	Log/Pole	10	
Hemlock	47	Log/Pole	12	88
Paper Birch	5	Pole	8	
Sugar Maple	10	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Low	Variable	Sapling
Northern White Cedar	Low	Variable	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Maple	Low	Variable	Sapling



**Stand**      **Level 4 Cover Type**      **Size Density**      **Acres**      **Stand Age**      **BA Range**      **Managed Site**      **General Comments**

**28**      4115 - Y.Birch, Hemlock NH      Sawtimber Well      105.0      88      111-140      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	10	Log/Pole	12		Northern White Cedar	Low	Variable	Sapling
Black Spruce	5	Log/Pole	12		Hemlock	Low	Variable	Sapling
White Spruce	8	Log/Pole	12		Black Spruce	Low	Variable	Sapling
Northern White Cedar	5	Pole/Log	10		Green Ash	Low	Variable	Sapling
Balsam Fir	5	Pole/Sapling	8		Tag Alder	Low	Variable	Tall Shrub
Sugar Maple	10	Log/Pole/Sap	12		Yellow Birch	Low	Variable	Sapling
White Pine	2	XLog/Log	18					
Paper Birch	5	Pole	9					
Red Maple	40	Log/Pole/Sap	12	88				
Hemlock	10	Log/Pole	12					

**29**      6220 - Alder/willow      Nonstocked      10.6           Unspecified      No

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Trace		Seeding
Black Spruce	Low		Seeding
Sedges	Medium		Non-Wood
Balsam Fir	Low		Sapling

**30**      4136 - Aspen, Mixed Conifer      Sapling Well      40.8      32      Unspecified      N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Sapling	4	
Paper Birch	10	Sapling	4	
White Pine	5	Sapling	4	
Quaking Aspen	20	Sapling	4	32
Bigtooth Aspen	20	Sapling	4	32
Northern White Cedar	10	Pole/Sapling	7	
Hemlock	10	Pole/Sapling	7	
Red Maple	10	Sapling	4	
Black Cherry	5	Sapling	4	

Cut at the same time as the other imature aspen to the east however trees per acre are a bit lower, there is more ground that is wet where conifer trees are more the dominate spp.

**31**      42290 - Natural Mixed Pine      Sawtimber Well      2.3      106      81-110      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	25	Pole/Log	10		Red Maple	Full	>20 feet	Sapling
White Pine	55	Log/Pole	14	106	Balsam Fir	Full	>20 feet	Sapling
Red Pine	20	Log/Pole	14		Quaking Aspen	High	>20 feet	Sapling
					Black Spruce	High	>20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**32** 6220 - Alder/willow Nonstocked 25.7 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Trace		Sapling
Tag Alder	High		Tall Shrub
White Pine	Trace		Sapling
Black Spruce	Trace		Sapling
Sedges	Trace		Non-Wood
Bog Birch	Low		Tall Shrub

**33** 42350 - Upland Hemlock Poletimber Well 12.6 88 51-80 N/A Cut by Heidtman logging under Mangum Four Mix 32-103-16

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Green Ash	2	Pole/Sapling	8		Black Spruce	Low	Variable	Sapling
American Elm	2	Pole/Sapling	8		Hemlock	Low	Variable	Sapling
Northern White Cedar	10	Pole/Log	10		Red Maple	High	Variable	Sapling
Hemlock	84	Log/Pole	10	88	Balsam Fir	Low	Variable	Sapling
White Pine	2	Log/XLog	16					

**34** 6120 - Lowland Cedar Poletimber Well 11.5 97 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	6	
Black Spruce	15	Pole	9	
White Pine	2	Log/Pole	16	
Northern White Cedar	78	Pole/Sapling	7	97

**35** 4191 - Mixed Upland Deciduous with Conifer Sapling Well 88.1 30 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Sapling/Pole	4	
Beech	5	Sapling/Pole	4	
Black Cherry	5	Sapling/Pole	4	
White Spruce	10	Pole/Sapling	7	
Quaking Aspen	10	Sapling/Pole	4	
Black Spruce	10	Sapling/Pole	4	
Paper Birch	10	Sapling/Pole	4	
Yellow Birch	10	Sapling/Pole	4	
Hemlock	5	Pole/Log/Sap	8	
Red Maple	20	Sapling/Pole	4	30
Northern White Cedar	10	Pole/Sapling	7	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																												
<b>36</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	54.1	98	81-110	N/A																																																																													
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<b>37</b>	4319 - Mixed Upland Forest	Sapling Well	56.4	31	Immature	N/A	Stand cut in 1992 with sale #03-86, the same sale that is with the adjacent stand. These two stands are were the same but this area came in thicker to conifer. There is some slight elevation changes and larger white pine and hemlock that were there and left.																																																																												
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<b>42</b>	6233 - Wet Meadow	Nonstocked	3.6	0	Unspecified	No																																																																													
<b>43</b>	6222 - Shrub-Carr	Nonstocked	3.2	0	Unspecified	6122 - Black Spruce	Cut by JM Longyear in winter of 2019-2020 by Draton Logging. contract 32-105-16 Hotdog hardwood																																																																												
<b>44</b>	6220 - Alder/willow	Nonstocked	5.3	0	Unspecified	612 - Lowland Coniferous Forest	Cut by JM Longyear in winter of 2019-2020 by Draton Logging. contract 32-105-16 Hotdog hardwood.																																																																												
<b>45</b>	6224 - Treed Bog	Nonstocked	1.2	0	Unspecified	No																																																																													





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**46** 6131 - Hemlock, White Pine, Maple, Birch      Sawtimber Well      7.4      85      81-110      N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	15	Log/Pole	10		Hemlock	Low	Variable	Sapling
Balsam Fir	10	Pole	8		Balsam Fir	Low	Variable	Sapling
Hemlock	25	Log/Pole	12	85	Red Maple	Low	Variable	Sapling
Red Maple	35	Pole	8	85	Bog Birch	Low	Variable	Tall Shrub
Quaking Aspen	10	Log/Pole	12					
Yellow Birch	5	Log/Pole	12					

**47** 6220 - Alder/willow      Nonstocked      6.2      0      Unspecified      No

**54** 42350 - Upland Hemlock      Poletimber Well      6.7      98      81-110      N/A

Cut by JM Longyear in winter of 2019-2020 by Draton Logging. contract 32-105-16 Hotdog hardwood.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	60	Pole/Log/Sap	8	98	Red Maple	Low	5 - 10 feet	Sapling
Yellow Birch	15	Sapling	1		Balsam Fir	Low	5 - 10 feet	Sapling
Northern White Cedar	5	Pole/Log	10		Hemlock	Low	5 - 10 feet	Sapling
Red Maple	20	Sapling	1	5				