



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32290

Entry Year 2027

Acreage: 1,035

County: Marquette

Management Area: Menominee-Marquette

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**Stand Examiner:** John Hamel

## Legal Description:

T47N-R23W, sections 25, 36.

T47N-R22W, section 30.

## Identified Planning Goals:

Habitat/vegetation and mixed use.

## Soil and topography:

Glacial drainage ways, till plains, and ground moraines form topography that is nearly level to moderately steep. Soils are very poorly drained nonacid organic soils, poorly drained loamy soils, well drained loams, and poorly drained loams.

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

Mostly private ownerships. To the east are larger corporate land holdings. Land use is primarily for forest production and passive recreation.

## Unique Natural Features:

The area is composed primarily of vernal forest. The headwaters to the East Branch of the Sand River and other waterways occur in this compartment.

## Archeological, Historical, and Cultural Features:

Remnants of old logging camps are common in this landscape.

## Special Management Designations or Considerations:

Management operations will largely be limited to winter to protect the soils and prevent site damage.

## Watershed and Fisheries Considerations:

Fisheries Concerns: This compartment contains reaches of the Sand River which is a designated trout stream above County Road 480. The Sand River contains native Brook Trout and receives a run of Steelhead in the spring. Stand 15 is proposed for single tree selection around the Sand River tributary. These small tributaries can serve as vital nursery habitat for juvenile Brook Trout and Steelhead. A 100-foot, plus 5 feet per 1% increase in slope, Riparian Management Zone is recommended to protect these areas in accordance with BMP's. The southern portion of this compartment is limited due to wetland areas, but if work is ever decided to be completed here, the designated trout stream buffer should be adhered to.

## Wildlife Habitat Considerations:

This compartment is found within the Menominee-Marquette Management Area, on ground moraines in northern Dickinson and southern Marquette Counties. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and dry mesic northern forest. Major forest cover types include Aspen, Northern Hardwoods, and Mixed Lowland Conifers. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. This management area provides some of the finest grouse and woodcock hunting in the Midwest and this is a wildlife management priority that will continue. Wildlife management issues in the management area are early successional forest conditions (associated with alder, riparian zones, or forested wetlands); mast (hard and soft); habitat fragmentation; mature forest (upland deciduous, especially aspen and mixed forest with little understory); coarse woody debris; 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

No known potential exists for commercial oil & gas production in this part of the state. The closest known active sand/gravel operation is less than two miles east. Potential for development of sand & gravel within the compartment appears to be limited. No past metallic mineral mining has occurred in this area, and there has been no known ground-based exploration. Potential for metallic and/or critical minerals beneath the compartment is relatively unknown but is considered low at this

time. There is no current mineral leasing activity involving State-owned mineral rights in the area.

**Vehicle Access:**

Access good to the compartment but is somewhat limited internally.

**Survey Needs:**

No survey needs are foreseen.

**Recreational Facilities and Opportunities:**

There is no developed recreation in this compartment. The heaviest public use is for hunting and trapping.

**Fire Protection:**

Fire occurrence is low in this area due to the wet nature of the landscape.

**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**

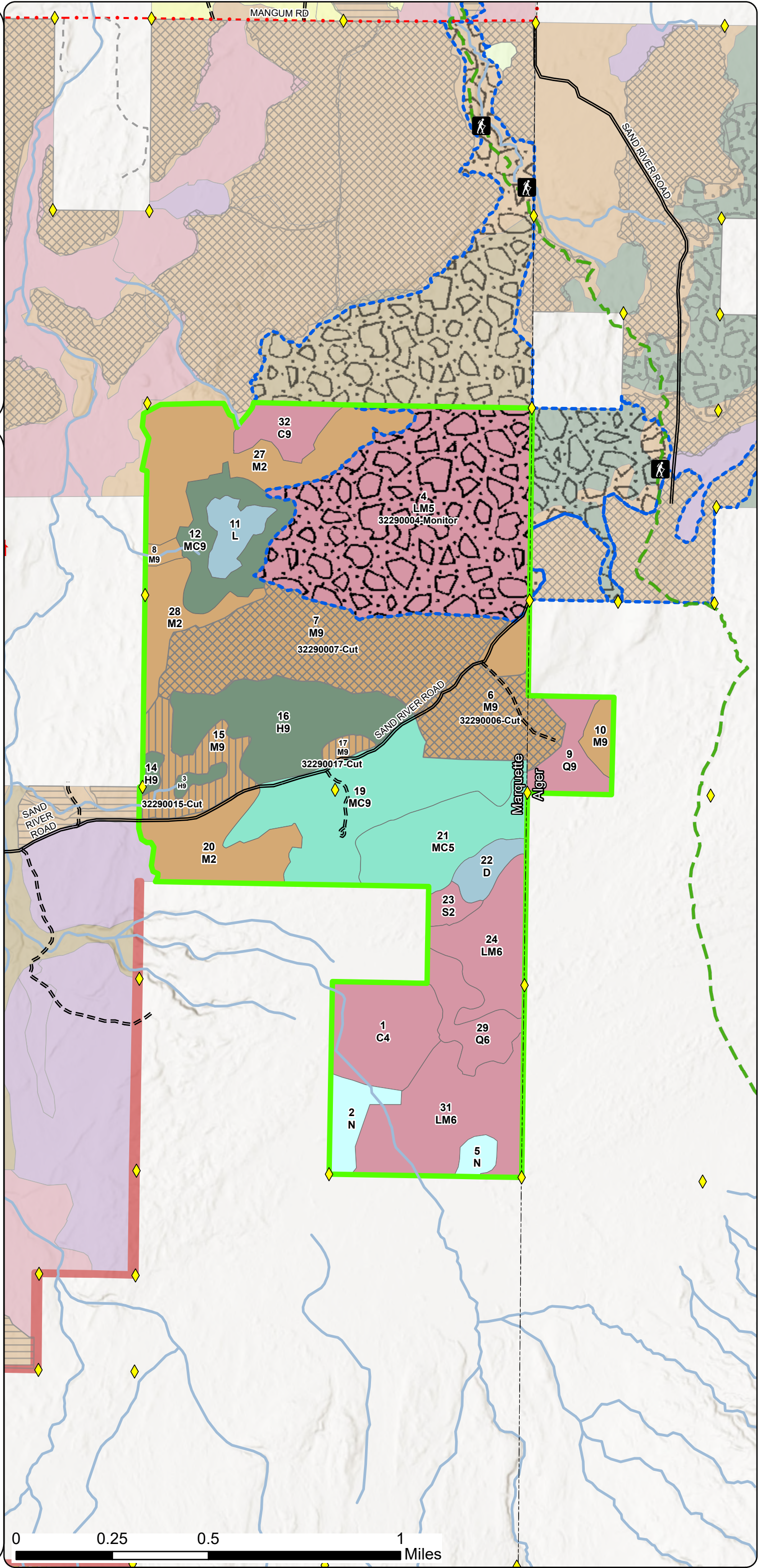
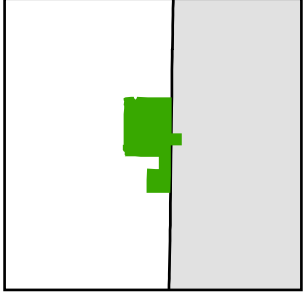
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

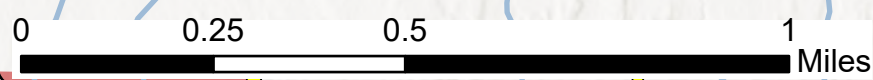


### Cover Type & Treatments Map

Compartment: 32290  
 T47N R23W, sections 25, 36  
 County: Marquette  
 Unit: Gwinn  
 Mgmt. Area: Menominee-Marquette  
 YOE: 2027  
 Acres: 1,035.12 GIS Calculated  
 Examiner: John Hamel  
 Date Exported: 12/15/2025  
 Map Phase: Post Review



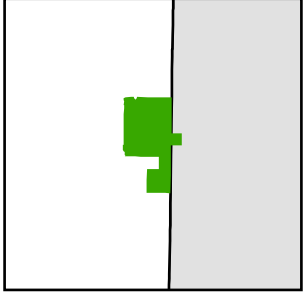
- Survey Grade Corners
- Compartment Boundary
- Treatments with Site Conditions
- Selection
- Shelterwood
- Monitoring
- Clearcut
- Selection
- Monitoring - Regeneration
- Monitoring
- 411 - Northern Hardwood
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 622 - Lowland Shrub
- 623 - Emergent Wetland



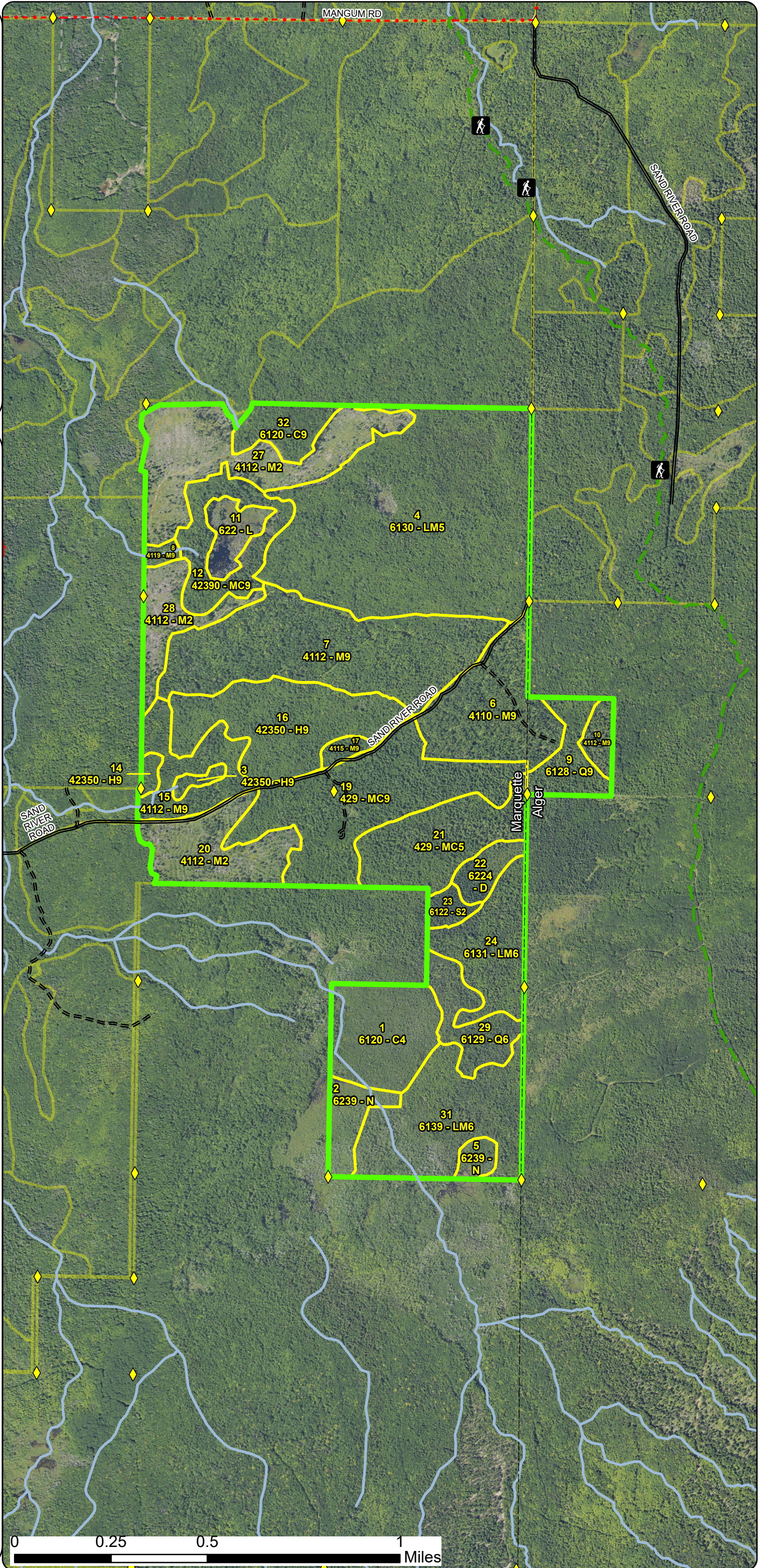


**Stand Boundary Map**

Compartment: 32290  
 T47N R23W, sections 25, 36  
 County: Marquette  
 Unit: Gwinn  
 Mgmt. Area: Menominee-Marquette  
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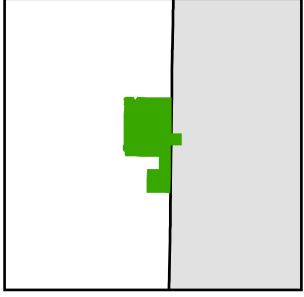
- ◆ Survey Grade Corners
- ▭ Compartment Boundary
- ▭ Stand Outline
- 411 - Northern Hardwood
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
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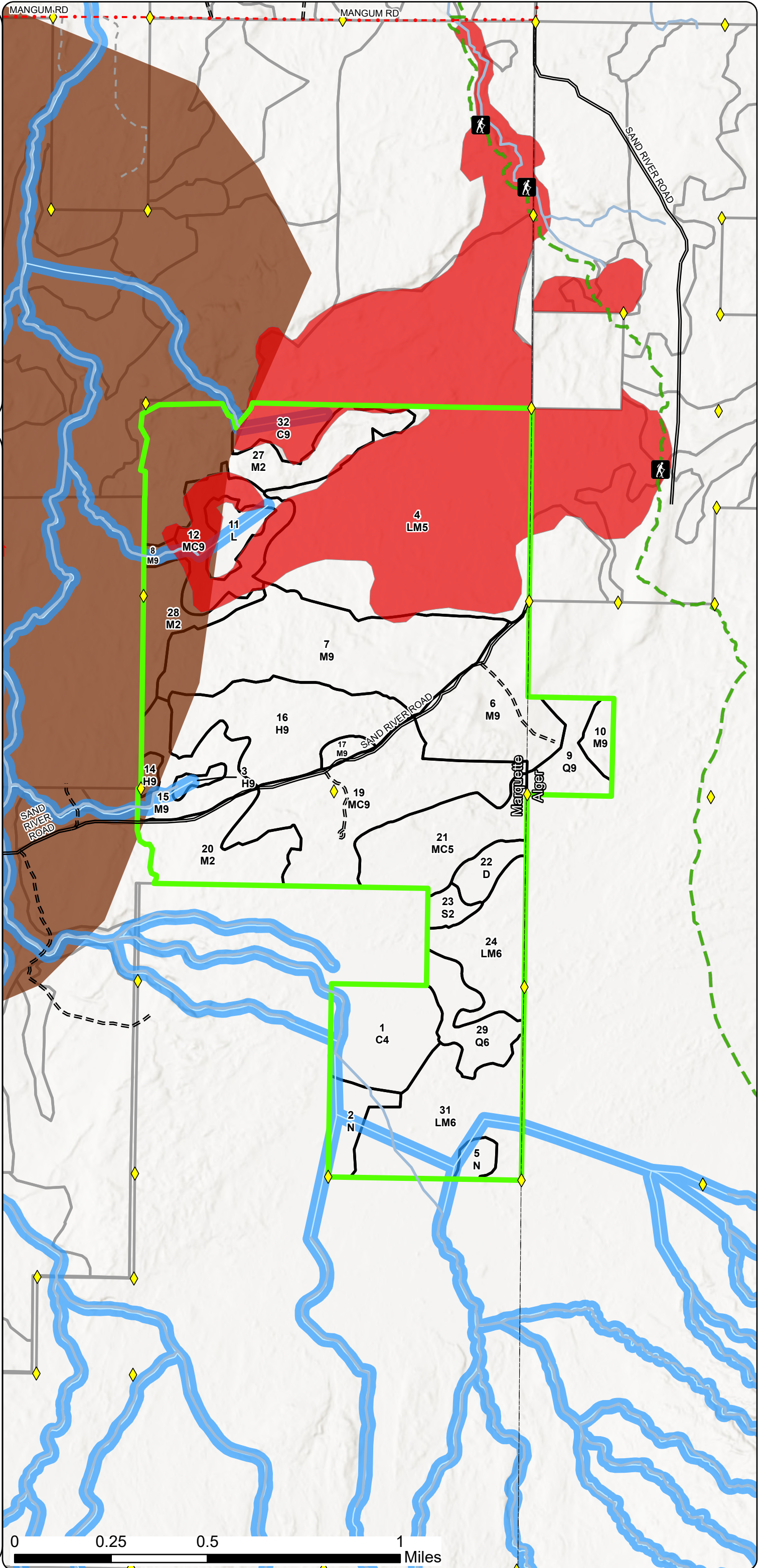


### Special Conservation Areas & Site Conditions Map

Compartment: 32290  
 T47N R23W, sections 25, 36  
 County: Marquette  
 Unit: Gwinn  
 Mgmt. Area: Menominee-Marquette  
 YOE: 2027  
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 Map Phase: Post Review



- ◆ Survey Grade Corners
- Compartment Boundary
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- High Priority Trout Stream Buffer
- 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
Cedar	0	0	0	0	0	0	0	0	0	44	0	0	0	0	18	0	0	0	62
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	71
Lowland Conifers	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	20	44
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	302	0	0	0	0	0	0	0	0	302
Lowland Shrub	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Lowland Spruce/Fir	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Marsh	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Northern Hardwood	0	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	208	338
Treed Bog	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	86	32	165
<b>Total</b>	<b>46</b>	<b>130</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>370</b>	<b>0</b>	<b>0</b>	<b>47</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>86</b>	<b>331</b>	<b>1034</b>



## Report 2 – Treatment Summary

Gwinn Mgt. Unit  
Year of Entry: 2027

Acres of Harvest

Compartment 290  
Total Compartment Acres: 1,035

Commercial Harvest - 374  
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
Northern Hardwood		0	153	0	0	35	0	0	0	0	188
	<b>Total</b>	<b>0</b>	<b>153</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>188</b>

### Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		188	0	0	0	0	0	195	0	0	383
Next Step		0	0	0	0	0	0	188	0	0	188
	<b>Total</b>	<b>188</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>383</b>	<b>0</b>	<b>0</b>	<b>571</b>



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

<b>4</b>	<b>32290004-Monitor</b>	195.0	6130 - Fir, Aspen, Maple	5	85	141-170	Monitoring	Monitoring	6128 - Lowland Coniferous, Mixed Deciduous	Planting Record	No
<p><u>Prescription</u> Monitor for invasive species, particularly those that will degrade ERA quality.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Conservation Values</p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
<b>6</b>	<b>32290006-Cut</b>	45.8	4110 - Sugar Maple Association	9	120	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Create large canopy gaps (75 feet) where appropriate to release advanced regeneration and maintain stand diversity. Leave obvious wildlife trees. Retain all hemlock, cedar and healthy beech over 20" dbh</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern Hardwood Species</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
<b>7</b>	<b>32290007-Cut</b>	107.2	4112 - Maple, Beech, Cherry Association	9	110	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 80-90. Create large canopy gaps (75 feet) where appropriate to release advanced regeneration and maintain stand diversity. Leave obvious wildlife t</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern Hardwood species</p> <p><u>Regen:</u></p> <p><u>Other</u> the north boundary of this treatment is the Sand River ERA Complex.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</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
15 32290015-Cut	30.4	4112 - Maple, Beech, Cherry Association	9	100	111-140	Harvest	Shelterwood	411 - Northern Hardwood	Planting Record	No
<p><u>Prescription Specs:</u> Shelterwood harvest. Mark down to 50 BA reserving high quality crop trees. favor High Quality Maple. Leave obvious wildlife trees. Retain all hemlock, cedar and beech.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Northern Hardwoods</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
17 32290017-Cut	4.4	4115 - Y.Birch, Hemlock NH	9	100	81-110	Harvest	Shelterwood	411 - Northern Hardwood	Planting Record	No
<p><u>Prescription Specs:</u> Shelterwood harvest. Mark down to 50 BA reserving high quality crop trees. favor High Quality Maple. Leave obvious wildlife trees. Retain all hemlock, cedar and beech.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Northern Hardwood</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										

**Total Treatment Acreage Proposed: 382.8**



## Report 4 – Site Conditions

Gwinn Mgt. Unit  
John Hamel: Examiner

Compartment: 290  
Year of Entry: 2027



### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions									
		With Condition			2B	5B	5C	2G	3A	3J	5A			
62	0	0		62	Cedar				44	18				
71	0	0		71	Hemlock									71
44	24	0		20	Lowland Conifers							20		
302	39	68		195	Lowland Mixed Forest	68				195				
14	14	0		0	Lowland Shrub									
6	6	0		0	Lowland Spruce/Fir									
21	21	0		0	Marsh									
339	335	0		3	Northern Hardwood							3		
11	11	0		0	Treed Bog									
165	0	133		32	Upland Conifers		86	47		32				
1,035	450	201		384	Total Forested Acres	68	86	47	44	245	23	71		
	43%	19%		37%	Relative Percent									

\*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	44	5D: Unproductive forest land	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	5B: Maintain for regeneration purposes	86	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments:							



## Report 4 – Site Conditions

Gwinn Mgt. Unit  
John Hamel : Examiner

Compartment: 290  
Year of Entry: 2027



3	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	47	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	<b>3A: Conservation values incompatible with harvest at this time</b>	245	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Mesic northern forest and hardwood-conifer swamp ERAs							
5	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	68	2I: Survey needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>3J: Water quality/BMPs (stream, river, or lake)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 150 feet buffer on this stream requested by fisheries							
8	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	71	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>3J: Water quality/BMPs (stream, river, or lake)</b>	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Mgt. Unit

Compartment: #Type!

Year of Entry:

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

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

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SCA Name	SCA Category	Detail Type	Recommendation	Acres
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**Comments**

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
1	6120 - Lowland Cedar	Poletimber Poor	44.4	88	1-50	N/A	Latticed with drains that are the Headwaters to the East branch of the sand river. most areas are unproductive.																																																						
2	6239 - Mixed Emergent Wetland	None	15.5			No																																																							
3	42350 - Upland Hemlock	Sawtimber Well	3.3	160	141-170	N/A																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>70</td> <td>Log</td> <td>14</td> <td>160</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Pole/Log	8		Balsam Fir	10	Log/Pole	10		White Pine	10	Log	12		Hemlock	70	Log	14	160																													
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4	6130 - Fir, Aspen, Maple	Poletimber Medium	195.0	85	141-170	N/A	Trace amounts of cedar, yellow birch, white pine																																																						
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5	6239 - Mixed Emergent Wetland	None	5.9			No																																																							
6	4110 - Sugar Maple Association	Sawtimber Well	55.1	120	81-110	N/A	Harvested in 2001. TS#15-97-01. cut in winter 2020-2021 AI-Mar Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear. excellent advanced regeneration.																																																						
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Beech	5	Log	14		Beech	Low	5 - 10 feet	5 - 10 feet																																																					
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8	4119 - Mixed Northern Hardwoods	Sawtimber Well	3.2	120	141-170	N/A	Large remnant maples in stand. Goshawks nest in vicinity.																																																						
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9	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	19.5	110	81-110	N/A																																											
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10	4112 - Maple, Beech, Cherry Association	Sawtimber Well	7.9	120	81-110	N/A	cut in winter 2020-2021 Al-Mar Hrdwd 32-101-17. Drayton logging cut the sale for JM Longyear.																																										
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11	622 - Lowland Shrub	None	13.9			No	Old beaver meadow. With lack of beaver activity, some areas have regenerated to spruce, cedar, white pine and other scrubs.																																										
12	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Well	32.4	160	141-170	N/A																																											
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14	42350 - Upland Hemlock	Sawtimber Well	3.2	160	141-170	N/A																																											
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16	42350 - Upland Hemlock	Sawtimber Well	64.7	160	141-170	N/A	Pockets of Maple and balsam, amongst dense groves of hemlock. Large pockets of dense hemlock saplings included.																																										
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19	429 - Mixed Upland Conifers	Sawtimber Well	85.9	160	51-80	N/A	Harvested in 2000: TS#15-97-01. Heavier Hemlock to the north of stand																																													
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20	4112 - Maple, Beech, Cherry Association	Sapling Medium	40.1	5	Immature	N/A	Harvested in winter 2020-2021 AI-Mar Hardwood 32-101-17. Drayton logging cut the sale for JM Longyear.																																													
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22	6224 - Treed Bog	None	10.7			No	Some seedling to sapling size spruce present, but due to poor site productivity will not become merchantable.																																													
23	6122 - Black Spruce	Sapling Medium	6.3	50	1-50	N/A	Some spruce and Tamarack trees are pole size but less than 10 BA																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**24** 6131 - Hemlock, White Pine, Maple, Birch Poletimber Well 38.6 80 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	40	Pole	8	80
Yellow Birch	10	Pole	8	
White Spruce	10	Log/Pole	10	
Black Spruce	20	Pole	8	
Northern White Cedar	10	Pole	8	
Hemlock	10	Log	12	

**27** 4112 - Maple, Beech, Cherry Association Sapling Medium 66.2 5 Immature N/A Large remnant maples in stand. Goshawks nest in vicinity.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	60	Sapling	1	5
Red Maple	40	Sapling	1	5

**28** 4112 - Maple, Beech, Cherry Association Sapling Medium 24.1 5 Immature N/A Large remnant maples in stand. Goshawks nest in vicinity.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	60	Sapling	1	5
Red Maple	40	Sapling	1	5

**29** 6129 - Mixed Coniferous Lowland Forest Poletimber Well 24.0 80 51-80 N/A

**31** 6139 - Mixed Lowland Forest Poletimber Well 68.4 80 51-80 N/A

**32** 6120 - Lowland Cedar Sawtimber Well 17.9 130 111-140 N/A Contains seeps that drain to the north

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	10	Log/Pole	12	
Northern White Cedar	80	Log/Pole	12	130
White Pine	10	Log	12	